JAVAC
Your Experts in Welding

Complete Catalogue 2025

JAVAC

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Symbols used

Get a quick overview with our practical symbol system.

- Machine welds electrodes
- Machine suitable for TIG welding
- Machine suitable for MIG/MAG welding
- Machine suitable for plasma cutting
- Machine with inverter technology
- Machine with IGBT technology
- Machine is HF-protected
- Machine with Lift TIG
- Machine with HF-ignition
- Machine uses alternating current
- Machine uses coflow
- Machine with PFC technology
- Machine suitable for pulse welding
- Machine equipped with Hot Start
- Machine equipped with Arc Force
- Machine equipped with Upslope
- Machine equipped with Downslope
- Machine equipped with thermostat
- Machine equipped with wire feed
- Air cooling
- Protection class IP 23
- Machine suitable for generators
- Spot welding possible

MIG/MAG/MMA/WIG
Welding Inverter
12



Cold wire feeder
Servo drive with 4 wheels
Page 20



Hydraulic turntable
Max. load 500 kg – 15.000 kg
Page 106



All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

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You will find a current version of our complete catalogue as well as constantly updated offers online at: www.javac.org

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Automatic Welding Helmets

Bestview VIII, Top Grade 1/1/1/1

Comfortable, fully automatic, impact resistant
The new Bestview VIII with automatic dimout is suitable both for welding and grinding. The helmet is also equipped with an extra large field of view. Spectacle weares can leave their glasses away by adding the optional magnifier, which makes the helmet even more comfortable.

TOP GRADE! 4x1

TIG suitable

Suitable for grinding

Features

- Spectacle wearers: the optional magnifier makes your glasses superfluous!
- Suitable for TIG welding! Dims out from as little as 3 amps.
- BESTVIEW VIII is suitable both for welding and grinding.
- Bestview VIII is equipped with 4 sensors.
- Turn-over headstrap mechanism adjusting the center of gravity to the user.
- Battery exchange possible.
- 1 × CR2450-lithium batteries.



Bestview VIII, graphic
Item no.: 31877223
(old:31877223)

Model	Bestview VIII
Field of view	100 x 65 mm
Filter measurements	125 x 106 x 20 mm
UV/IR-protection	up to dimout no. DIN16
Light state	DIN 4
Variable dimout can be selected	from DIN 9 to DIN 13 or from DIN 4 to DIN 8
Power on/off	fully automatic
Battery exchangeable	yes
Switching time light-dark Switching time dark-light	0,00003 s 0,25 s ~ 0,8 s
Functions	welding/grinding
Operation temperature	-5°C to +55°C
Storage temperature	-20°C to +70°C
Material	Polyamid Nylon
Weight	490 g
Approval number	4/4-8/9-13ART1/1/1/1EN379CE

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Automatic Welding Helmets

Bestview VIII, Top Grade 1/1/1/1

XXL Field of view

1 XXL field of view

2 Slide-in device for the optional magnifier

3 Switching from welding to grinding mode possible. Also the variable dimout can be set in two steps by the switch.

4 Battery test button

5 Controller for the variable dimout time: DIN 9 to DIN 13 or DIN 4 to DIN 8 (can be selected with the switch No 3). Adjustment of photosensitivity allows the adjustment to the room situation.



6 Slipcase for the exchangeable Lithium CR2450 coin battery

7 Controller to adjust the switching-time (short – long).

8 Controller for the sensibility of the sensors (from hight to low).



Accessories	Item no.
Outer protective glass	02.10.02.00050 (old:77980453)
Inner protective glass	02.10.02.00052 (old:77980456)
Headstrap	02.10.02.00054 (old:31871124)
Sweatband	02.10.02.00044 (old: 10990176)
Magnifier	02.10.02.00056 (old:77980457)



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Automatic Welding Helmets

Bestview VII, Top Grade 1/1/1/2

Comfortable, fully automatic, impact resistant
The new Bestview VII with automatic dimout is suitable both for welding and grinding.
Due to the innovative turn-over headstrap mechanism the helmet's centre of gravity adjusts itself to that of the wearer's head regardless of whether the helmet is worn up or down. This design greatly reduces pressure on the wearer's head and neck which makes Bestview VII helmets even more comfortable for the user.

Features of BESTVIEW VII Helmet

- Suitable for TIG welding! Dims out from as little as 9 amps.
- BESTVIEW VII is suitable both for welding and grinding.
- Equipped with 4 sensors.
- Turn-over headstrap mechanism adjusting the center of gravity to the user.
- Battery exchange possible.
- 2 × 3V lithium batteries.



Bestview VII
Artikelnr.: 02.10.01.00040
(alt: 31877210)

Model	Bestview VII
Field of view	98 x 55 mm
Filter measurements	110 x 90 x 9 mm
UV/IR protection	up to dimout no. DIN16
Light state	DIN 4
Variable dimout	from DIN 9 up to DIN 13
Power on/off	fully automatic
Battery exchangeable	yes
Switching time light-dark Switching time dark-light	0,00003 s 0,25 s ~ 0,8 s
Operation	welding/grinding
Operation temperature	-5°C to +55°C
Storage temperature	-20°C to +70°C
Material	polyamide nylon
Total weight	470 g
Approval number	4/9-13 JAVAC 1/1/1/2 /379 CE



Accessories	Item no.
Outer protective glas	02.10.02.00040 (old: 77980452)
Inner protective glass	02.10.02.00041 (old:77980454)
Headstrap	02.10.02.00042 (old:31871122)
Sweatband	02.10.02.00044 (old: 10990176)

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Automatic Welding Helmets

Bestview VII, Top Grade 1/1/1/2

1 4 sensors for a fast and safe arc detection with a field of view of 98 x 55 mm.

2 Outer glass cover is inserted from the inside. Thus even seals tighter and is a better protection of the filter cassette against welding sparks.

3 - Adjustable lightening delay.
- Variable dimout manually adjustable from protection class DIN 9 to DIN 13.
- Adjustment of photosensitivity allows the adjustment to the room situation.

4 Filter cassette easily exchangeable without tools.

5 Two 3V lithium batteries easily exchangeable for a longer service life.

6 New turn-over headstrap for even more wearing comfort.

7 Switching from welding to grinding mode possible without taking off the helmet.

8 The new turn-over headstrap allows a better distance control between eyes and field of view. Thus, it is optimally suited for spectacles wearers.





Fig. (5) Battery



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Automatic Welding Helmets

Bestview IV Carbon and Black

3 years of warranty

Approval no. 1/2/1/1

Fully automatic, impact resistant, convenient – and they look fantastic!
Bestview IV Carbon and Black with automatic dimout are suitable both for welding and grinding. They have the same excellent wearing features as all Bestview helmets.

Features

- Suitable for TIG welding. Dims out from as little as 9 amps.
- BESTVIEW IV is suitable both for welding and grinding.
- New, improved turnover-headstrap adjusts the helmet's centre of gravity to suit the wearer.
- 2 3V lithium batteries.

Model	Bestview IV Carbon / Black
Field of view	98 x 43 mm
Filter measurements	110 x 90 x 9 mm
UV/IR protection	constant up to dimout no. DIN16
Light state	DIN 4
Variable dimout	from DIN 9 to DIN 13
Power on/off	fully automatic
Switching time light-dark Switching time dark-light	0,03 – 0,8 ms 0,25 s ~ 0,8 s
Operation	welding/grinding
Operation temperature	-5°C to +55°C
Storage temperature	-20°C to +70°C
Material	polyamide
Total weight	530 g
Approval number	4/9-13 JAVAC **1/2/1/1** /379 CE



Carbon Black
Item no.: 02.10.01.00020
(old:31877111schwarz)



Bestview IV polyamide
Item no.: 02.10.01.00010
(old:31877111black)

Suitable for grinding and TIG welding!

1. Adjustable lightening delay and switching from welding to grinding.
2. Adjustment of photo-sensitivity.
3. Variable dimout manually adjustable.

1.


2.


3.


CE

Accessories	Item no.
Sweatband	02.10.02.00010 (old:10990171)
Outer protective glas	02.10.02.00012 (old:77980449)
Inner protective glass	02.10.02.00014 (old:31871115)
Headstrap Bestview IV loose	02.10.02.00016 (old:31871119)

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Profi-Line E-Welding Inverters

ATM 1600 PFC and ATM 2000 PFC

MMA welding inverter ATM 1600 PFC and ATM 2000 PFC

The welding inverters ATM 1600 PFC and ATM 2000 PFC are back in the product range. With PFC technology and a new design. Functions like Arc-Force, Hot-Start and Anti-Stick are controlled manually. In addition to electrode welding, TIG welding with Lift-Arc ignition is also possible.



Features

- PFC technology
- With Lift TIG-Mode
- Anti-Stick, Arc-Force, Hot-Start, VRD
- Protection against overheating, over-current, undervoltage
- Generator suitable
- MMA /Lift TIG Mode
- lightweight

Scope of delivery ATM Series
1 Earth Cable 3m
1 Electrode cable 5m
1 Case





Model	ATM 1600 PFC	ATM 2000 PFC
Supply voltage	1 ~ 230V ± 10%, 50/60 Hz	1 ~ 230V ± 10%, 50/60 Hz
Supply voltage range	5,1 kW	6,8 kW
Effective power	14,5 A	20A
Rated input current	23 A	31A
Duty cycle	MMA 40% 160 A 60% 135 A 100% 105 A	MMA 30% 200A 60% 165A 100% 135A
No-load voltage	14,5 V	14,5 V
Welding current range	10 ~ 160 A	10 ~ 200A
Insulation class	H	H
Protection class	IP 23	IP 23
Measurem. (L x W x H)	380x136x250 mm	380x136x250 mm
Weight	6,1 kg	6,1 kg
Cooling	Air	Air
Item no.	02.01.02.00160	02.01.02.00210

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Profi-Line E-Welding Inverters

Liliput 280, 400 and 600

Suitable for generators with overvoltage and undervoltage protection

Features

- IGBT technology.
- Very small casing; easy to handle.
- Low power demand; low consumption.
- 100 m welding cable possible without any problems.
- Equipped with LED display.
- Ultralight weight.
- Suitable for generators.
- Can be used for all basic and rutile coated electrodes.
- Self protection programs:
  - phase defects
  - overvoltage / undervoltage
  - overheating



280 A; 9,3 kg | 400 A; 11,7 kg | 600 A; 16,5 kg

Very small but powerful
This ultralight and very small welder with high output power is a favourite for the heavy industry. Having the latest IGBT (nanotechnology) generation of semi-conductors on board means this MMA welder can work with welding cables of up to 100 m without any losing of power!

Model	Liliput 280	Liliput 400	Liliput 600
Supply voltage	3x 400 Volt 50 Hz (other voltages on demand)		
Rated power	10 kVA	16 kVA	37 kVA
input voltage	290 – 480 V		
duty cycle 60 % 100 %	– 280 A	400 A 310 A	600 A 480 A
Welding current range	20 ~ 280 A	10 ~ 400 A	16 – 630 A
no-load voltage	61 V	57 V	63 V
Efficiency	90 %		
Welding electrode	2 – 5 mm	2 – 5 mm	2 – 6 mm
Protection class	IP 23		
Insulation class	F		
Size (L x W x H) mm	335 x 186 x 330	335 x 186 x 330	490 x 220 x 375
Weight (With cable)	9,3 kg	11,7 kg	16,5 kg
Item no.	02.01.02.00280 (old:64125801)	02.01.02.00400 (old:64125800)	02.01.02.00600 (old:64125810)

Accessories	Item no.
Welding cable, earth terminal and plug 5 m, 35 mm²	02.12.02.00070 (old:34641635)
Welding cable with electrode holder 35 mm² 400 A 5m	02.12.02.01070 (old:34641830)
Welding cable, earth terminal and plug 5 m, 50 mm²	02.12.02.00090 (old:34641645)
Welding cable with electrode holder 50 mm² 600 A 5m	02.12.02.01090 (old:34641840)
Welding cable, earth terminal and plug 5 m, 70 mm²	02.12.02.00110 (old:34641655)
Welding cable with electrode holder 70 mm² 600 A 5m	02.12.02.01110 (old:34641850)
Remote control for Liliput with 5 m cable	02.01.02.80010 (old:64125811)



Scope of delivery:
1power supply cable

Optional:
1 remote control, 5 m cable



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Profi-Line MIG/MAG

MIG 200 IGBT

The professional solution for repair and handcrafts
Extreme light and very powerful MIG/MAG welder with the newest invertertechnology as well as synergie function. Additional the inverter has a wire support 5 kg coil.

Features

- lightweight
- suitable for MMA
- 2-cycle/4-cycle adjustable
- Digital display
- exchangeable to filling wire
- steplessly variable
- IGBT technology
- Synergy function
- Wire support 5 kg coil
- With MMA and Lift TIG





VIDEO Productvideo

Scope of delivery:
1 MIG Torch UF 15/3 m
1 Earth cable 2,5 m
1 Electrode cable 2,5 m



Model	MIG 200		
Supply Voltage	1-phasig, 220±10% ±15%		
Input nominal power	8,5	6,4	8,7
Nominal input current	39	29	40
Welding current range	50 - 200 A	10 - 200 A	10-180 A
Function	MIG	WIG	MMA
Duty cycle (40°C 10 min.)	30% 200A 60% 141A 100% 110A	30% 200A 60% 141A 100% 110A	30% 180A 60% 127A 100% 99A
No-load voltage	54 V		
Efficiency (%)	77%		
Wire feeder	external/internal		
Power Factor	0,73		
Welding wire diameter (mm)	0,6 - 0,8 - 1,0		Ø 2,5, Ø 3,25, Ø 4,0
Measurements (L x W x H)	495x210x330		
Weight	12 kg		
Insulation class	H		
Protection class	IP21S		
Item no.	02.01.20.02020		

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Profi-Line MIG/MAG / MMA / WIG

MIG 250 GN³ and MIG 315 GN³

Welding in the professional league
The 4-roller wire feeder ensures reliable wire feeding. Universal outdoor welding work can be carried out with cored wire as well as with an electric hand.

MMA Welding & cored wire



Features

- 4-rollers wire feeder.
- Suitable for MMA welding.
- IGBT-technology
- Can be equipped with 10 – 50 liter gas bottle.
- MIG/MMA/LIFT TIG-Modus.
- MMA-Modus with VRD control.
- 2-cycle/4-cycle
- With conversion of the output polarity
- In MMA mode, TIG welding can also be performed with a suitable torch.
- With perfect overcurrent, overheating, under voltage protection.
- Current and voltage figure with separate digital display
- 3 knob design (Waterproof, anti dust, anti corrosion.
- The high rate of sustained load can be used for industrial users.



Scope of delivery:
1 MIG Torch UF25/4 (MIG 250 GN³)
1 MIG Torch UF36/4 (MIG 315 GN³)
1 Earth cable (3 m)
1 Electrode cable (3 m)

Model	MIG 250 GN³			MIG 315 GN³		
Supply voltage	3P~400V±15%, 50/60Hz					
Power Factor	0,93					
Rated input power	MIG	MMA	TIG	MIG	MMA	TIG
	7,8 KW	8,8 KW	5,9 KW	7,8 KW	8,8 KW	5,9 KW
Rated input current	12 A	13,7 A	9,1 A	17 A	18,8 A	13A
Welding current range	MIG	MMA	TIG	MIG	MMA	TIG
	50~250A	25~250A	15~250A	50~315A	25~315A	15~315A
Welding voltage range	16,5~26,5	21~30	10,6~20	16,5~30	21 ~ 32,6	10,6 -22,6
Efficiency	≥85 %					
Duty cycle 60% at	60% 250A 100% 194A			60% 315A 100%		
No-load voltage	58 V					
Protection class	IP21					
Welding wire diameter (mm)	0,8/1,0			0,8/1,0/1,2		
Measurements (L x W x H	900×520×765			940×450×810		
Weight	47 kg			48 kg		
Item no.	02.01.21.01041			02.01.21.01051		

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MIG Welding Torches

Overview

Ergonomic design
The Javac UF MIG torches lie perfectly in the hand due to premium materials. They are extremely flexible and can be easily used without effort. Comfortable handling without slipping off due to the handle which is equipped with rubber inserts. Additional flexibility thanks to the handle's ball joint and an Euro central connection. Owing to the Euro central connection, the UF series can be connected with all common MIG/MAG welding devices. Up to 500A there is a suitable MIG torch for everybody.

Features

- Ergonomically designed grip plate.
- Handle with ball joint and bend protection.
- Euro central connection.
- Euro central connection with ball joint and bend protection.
- Contact pins mounted in spring bearings.
- Robust and flexible protection hose with water-cooled torches.
- Protective caps on water hoses.





Ball joint and bend protection on Euro central connection.



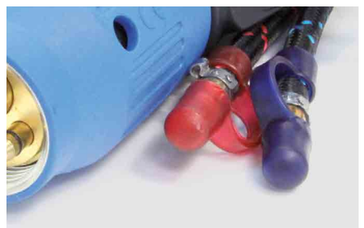
Ball joint and bend protection on handle make your work even more flexible.



Robust, flexible protection hose (only UF MIG 400).



Premium grip plate, ergonomically designed.



Protective caps on water hoses.



Contact pins mounted in spring bearings.

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MIG Welding Torches

UF MIG 15 and 24

Model	UF MIG 15/3
Cooling	Gas
Duty cycle 60%	180 A CO^2, 150 A MIX
Wire diameter	0,6 – 1,0 mm
Item no. old 3 m	33142535
Item no. new 3 m	02.12.02.00010



UF MIG 15/3

Model	UF MIG 24/4
Cooling	Gas
Duty cycle 60%	250 A CO^2, 220 A MIX
Wire diameter	0,8 – 1,2 mm
Item no. old	33142538
Item no. new	02.12.02.00022



UF MIG 24/4

Wearing parts UF MIG 15	Item no. old	Item no. new
1 Gas nozzle D 12 kon	33941055	02.13.01.00025
2 Power nozzle 0,8 mm M 6x25	33942615	02.13.01.00010
2 Power nozzle 1,0 mm M 6x25	33942631	
3 UF 15 nozzle support	33940110	02.13.01.00050
4 UF 15 retaining spring	33940180	02.13.01.00055
5 Spiral blue3m	33948010	02.13.01.00100

Wearing parts UF MIG 24	Item no. old	Item no. new
6 Gas nozzle D 12,5 kon	33940225	02.13.01.00030
7 Power nozzle 0,8 mm M 6x28	33942625	02.13.01.00015
7 Power nozzle 1,0 mm M 6x28	33942630	
8 UF 24 nozzle holder	33940120	02.13.01.00080
9 UF 24 gas distributor ceramics	33945010	02.13.01.00065
10 Spiral red 4 m	33948020	02.13.01.00105
11 Teflon red 1,0 –1,2 mm, 4 m	33948110	02.13.01.00115



Note



MIG 250GN³
Item no.: 02.01.21.01041
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MIG Welding Torches

UF MIG 25 and 36

Model	UF MIG 25/4
Cooling	Gas
Duty cycle 60%	230 A CO^2, 200 A MIX
Wire diameter	0,8 – 1,2 mm
Item no. old	33142547
Item no. new	02.12.02.00026



UF MIG 25/4

Model	UF MIG 36/4
Cooling	Gas
Duty cycle 60%	340 A CO^2, 300 A MIX
Wire diameter	0,8 – 1,6 mm
Item no. old	33142557
Item no. new	02.12.02.00032



UF MIG 36/4

Wearing parts UF MIG 25	Item no. old	Item no. old
1 Gas nozzle D 15 kon	33940230	02.13.01.00035
2 Power nozzle 0,8 mm M 6x28	33942625	02.13.01.00015
2 Power nozzle 1,0 mm M 6x28	33942630	
2 Power nozzle 1,2 mm M 6x28	33942635	
3 UF 25 nozzle holder	33940130	02.13.01.00085
4 UF 25 retaining spring	33940182	02.13.01.00060
5 Spiral red 4 m	33948020	02.13.01.00105
6 Teflon red 1,0–1,2 mm, 4 m	33948110	02.13.01.00115

Wearing parts UF MIG 36	Item no. old	Item no. new
7 Gas nozzle D 16 kon	33940226	02.13.01.00040
8 Power nozzle 0,8 mm M 6x28	33942625	02.13.01.00015
8 Power nozzle 1,0 mm M 6x28	33942630	
8 Power nozzle 1,2 mm M 6x28	33942635	
9 UF 36 nozzle holder M 6x32	33940140	02.13.01.00090
10 UF 36 gas distributor ceramics	33945020	02.13.01.00070
11 Spiral yellow 4 m	33948030	02.13.01.00110
12 Teflon red 1,0–1,2 mm, 4 m	33948110	02.13.01.00115



Note



MIG 250GN³
Item no.: 02.01.21.01041
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Profi-Line WIG DC

AST 181 and 201

TIG Inverter AST 181 PFC and AST 201 PFC

The AST 181 PFC and AST 201 PFC welding inverters with new design are now new in the product range. The user-oriented operator guidance via the LED display makes it child's play to set the required parameters.



Features Features

- PFC-Technology
- Optimum performance on ultra-thin surfaces without deformation.
- Spot/pulse time function selectable
- Downslope; Upslope; Gas pre- and post-flow;pulse frequency adjustable.
- Overheating, overcurrent, undervoltage protection
- Suitable for generators
- TIG/MMA mode
- Light and easy to handle



Modell	AST 181 PFC		AST 201 PFC	
Supply voltage	1 ~ 230 V ± 10%, 50/60 Hz		1 ~ 230 V ± 10%, 50/60 Hz	
Nominal power	3,9 kW	5,8 kW	6,3 kW	4,6 kW
Effective current	17 A	26,5 A	32 A	21 A
Rated input current	10 A	13 A	18 A	15 A
	TIG	MMA	TIG	MMA
Duty cycle	35% 180 A 60% 140 A 100% 110 A	25% 180 A 60% 120 A 100% 100 A	50% 200 A 60% 180 A 100% 145 A	30% 200A 60% 145A 100% 135A
No-load voltage	66 V			
Welding current range	5 ~ 180 A		5 ~ 200A	
Insulation class	H			
Protection class	IP 23			
Measurement (L x W x H)	465x146x278mm		465x146x268 mm	
Weight	7,5 kg		9 kg	
Cooling	Air			
Item no.	02.01.10.00102		02.01.10.00208	



Scope of delivery:
1 Earth cable 4m
1 Torch SR 17/8
1 Case

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Profi-Line TIG AC/DC

Astor 200-DP AC/DC-TIG Inverter

Astor 200-DP AC/DC-WIG Inverter

Due to the "PWM" technology the voltage and counter voltage can be reduced without affecting the welding performance.

Features

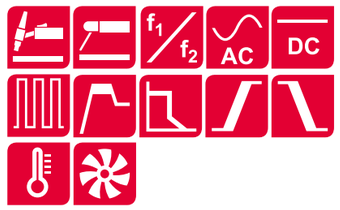
- light construction
- HF- und Lift Arc ignition
- Excellent welding
- Arc Force
- PFC-Technology
- 2-cycle/4-cycle adjustable
- suitable for direct- and alternating current
- Puls and Mix-Puls-Function
- Program memory
- Gas pre-/ postflow time
- Downslope Function





Model	Astor 200-DP	
Supply voltage	230 V, 50/60Hz, ±15%	
	TIG	MMA
Nominal current	28 A	38,1 A
Welding current min.	20A	5A
Power	5,2 KW	6,4 KW
Duty cycle (40°C 10 min)	60% 200A	40% 160A
No-load voltage	56 V	
Rated output current	200 A	180 A
Protection class	IP 21 S	
Insulation class	F	
Efficiency	80%	
Power Factor	0,73	
Measurem. (L x W x H) mm	475 x 200 x 410	
Weight	14,2 kg	
Item no.	02.01.11.00130	

*PWM = Pulse-width modulation



Scope of delivery:
1 TIG Torch SR 26/8 m
1 Earth cable, 3 m
1 Electrode cable, 3 m

All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

TIG Welding Torches

SR-Series, Air- and Water-Cooled

Water cooled

Features

- Ergonomically designed handle with rubber inserts for optimal grip – lies well in the hand.
- Power connection SK 35 with lateral gas exit, optionally with quick-action coupling or cap nut.
- Two-core control cable.



Model	SR 18 W/4*	SR 18 W/8*
Cooling	Water	Water
Duty cycle 100%	DC 320 A; AC 240 A	DC 320 A; AC 240 A
Wire diameter	0,5 – 4,0 mm	0,5 – 4,0 mm
Item no. old	33153010	33153020
Item no. new	02.12.03.00060	02.12.03.00062

Model	SR 20 W/4*	SR 20 W/8*
Cooling	Water	Water
Duty cycle 100%	DC 250 A; AC 220 A	DC 250 A; AC 220 A
Wire Diameter	0,5 – 3,2 mm	0,5 – 3,2 mm
Item no. old	33153040	33153050
Item no. new	02.12.03.00080	02.12.03.00082

*The rear numeral indicates the cable length

Machine torch

Model	SR 18 AUT/8*
Cooling	Water
Duty cycle 35%	DC 180 A; AC 150 A
Wire diameter	0,5 – 4,0 mm
Item no. old	33152560
Item no. new	



Wearing parts SR 18SC	Item no. old	Item no. new
1 Back cap L	33801010	02.13.03.00010
2 Clamp sleeve 1,6 / 50 mm	33801100	02.13.03.00020
2 Clamp sleeve 2,4 / 50 mm	33801105	02.13.03.00030
2 Clamp sleeve 3,2 / 50 mm	33801110	02.13.03.00040
3 Clamp sleeve casing	3380111X	
4 Gas nozzle ceramics Gr. 7	33802360	
5 Insulator	33802410	



TIG Welding Torches

SR-Series, Air- and Water-Cooled

Wearing parts SR 17-18-26	Item no. old	Item no. new
1 Back cap L	33801010	02.13.03.00010
2 Clamp sleeve 1,6 / 50 mm	33801100	02.13.03.00020
2 Clamp sleeve 2,4 / 50 mm	33801105	02.13.03.00030
2 Clamp sleeve 3,2 / 50 mm	33801110	02.13.03.00040
3 Clamp sleeve casing 1,6	33801210	02.13.03.00050
3 Clamp sleeve casing 2,4	33801215	02.13.03.00060
3 Clamp sleeve casing 3,2	33801220	02.13.03.00070
4 Gas nozzle ceramics size Gr. 5	33801340	02.13.03.00080
4 Gas nozzle ceramics size Gr. 6	33801345	02.13.03.00090
4 Gas nozzle ceramics size Gr. 7	33801350	02.13.03.00100
4 Gas nozzle ceramics size Gr. 8	33801355	02.13.03.00110
5 Insulator	33801400	02.13.03.00120



Wearing parts SR 9-20	Item no. old	Item no. new
1 Back cap L	33802010	02.13.03.00130
2 Clamp sleeve 1,6 / 25 mm	33802100	02.13.03.00140
2 Clamp sleeve 2,4 / 25 mm	33802105	02.13.03.00150
2 Clamp sleeve 3,2 / 25 mm	33802110	02.13.03.00160
3 Clamp sleeve casing 1,6	33802210	02.13.03.00170
3 Clamp sleeve casing 2,4	33802215	02.13.03.00180
3 Clamp sleeve casing 3,2	33802220	02.13.03.00190
4 Gas nozzle ceramics size 5	33802340	02.13.03.00200
4 Gas nozzle ceramics size 6	33802345	02.13.03.00210
4 Gas nozzle ceramics size 7	33802350	02.13.03.00220
5 Insulator	33802400	02.13.03.00240



*The rear numeral indicates the cable length

Air cooled

Model	SR 17/8*
Cooling	Gas
Duty cycle 35%	DC 140 A; AC 125 A
Wire diameter	0,5 – 2,4 mm
Item no. old without poti	33152540
Item no. new without poti	02.12.03.00034
Item no. old with poti	02.12.03.00066
Item no. new with poti	02.12.03.00036

Model	SR 26/8*
Cooling	Gas
Duty cycle 35%	DC 180 A; AC 150 A
Wire diameter	0,5 – 4,0 mm
Item no. old	33152548
Item no. new	02.12.03.00042



Alle SR-Brenner mit Mikro-Schalter

Cold Wire Feeder

TW-4 RAC2

With servodrive and 4 wire feed rollers

Features

- Steady wire feeding thanks to 4 wire feed rollers.
- All types of welding wire (0,8 – 1,6 mm).
- Control panel easy to operate via short-travel key.
- Suitable for TIG and plasma TIG welding.
- Interface for torch included.
- 2 automatic programmes: for wire feeding and end crater (wire retracting movement, wire does not stick to workpiece).



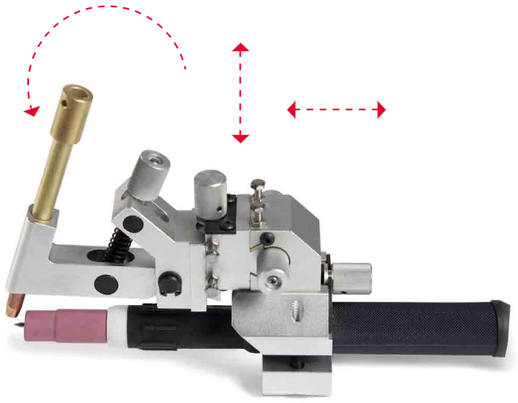
Scope of delivery

1 Wire feeder
1 Wire spiral AP 20, 2 m
1 Foot switch
1 Manually operated remote control



AP 20

optional:
Perfect holder for cold wire feeding.
All 4 axes can be adjusted differently.



Model	TW-4RAC2
Supply voltage	230 Volt, 50 Hz
Wire speed	180 – 1800 mm/min
Wire diameter	0,8 – 1,6 mm
Delayed welding time	0,0 – 9,9 Sec.
Pause time welding time	0,0 – 9,9 Sec.
Pause time stop welding time	0,0 – 9,9 Sec.
End crater welding time	0,0 – 9,9 Sec. Pause
Welding start signal	2-cycle /4-cycle
Manual	Feeding/haul in
Motor brake	magnetic
HF protection	100%
Connecting length	1,5 meter
Item no.	02.09.02.00010 (old:71801117)

Optional accessories	Item no.
AP 3 Clamp mounting mach. torch.	02.09.04.01010 (old: 7180117230)
AP 20L Wire spiral	02.09.04.00012 (old: 7180117240)

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Water cooler

DX-3 and Ice Water Cooler

Universal water cooler suitable for all welding machines

Features

- Suitable for all welding machines thanks to universal connection.



Model	DX-3
Supply voltage	230 Volt, 50/60 Hz
Motor Qty.	1 fan motor + 1 pump motor
Motor capacity	270 Watt
Conveyor capability	10 l/min
Max. pressure	–
Water supply tank	7 Liter
Measurements (L x W x H) mm	450 x 250 x 340
Weight (without liquid)	16 kg
Item no.230 V	02.20.04.00001 (old:63330916)

* The 2,9 KW cooling capacity can be achieved at:
- An ambient temperature under 25°C

Model	Ice Water Cooler
Cooling capacity	800/1000 BTU/HR 50/60 Hz 200/250 KCAL/HR 50/60Hz 235/295 W 50/60Hz
Operative range	Room temperature: 5°C~45°C Liquid temperature: 5°C~45°C
Setting range	Differential temperature controller: -9.9°C~9.9°C Constant temperature controller: 20°C~40°C
Power source	3Ø AC220V 50/60Hz
Total load current	2 A
Pump horsepower	60/80 W / 50/60Hz
Pump discharge rate	16/20 l/min / 50/60Hz
Water tank	10 Liter
Inlet and outlet pipe-diameter	1/2“ x 1/2“ Inch
Measurements (L x W x H) mm	366x444x569 mm
Weight	42 kg
Refrigerant	Gas R134a/R407C



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Plasma Cutting Unit Avalon 40.1 Serie

Plasma cutting unit Avalon 40.1 PFC and AVALON 40.1 AIR with integrated compressor

Cutting C-steel, stainless steel, aluminium, copper and more
The Avalon 40.1 PFC is a lightweight, handy plasma cutting unit with high cutting performance and top cutting quality. Its low weight and easy handling make it the ideal candidate for craftsmen, workshops and industry.
The air plasma cutting unit Avalon 40.1 Air with integrated compressor is your reliable partner for demanding applications. Carry out your work with the Avalon 40.1 Air to cut material up to 15 mm thickness.



Features

- IGBT technology
- Active PFC technology for high duty cycle and energy efficiency
- Manual switch to activate the airflow to set the test air pressure without triggering the torch.
- Powerful compact unit
- Intelligent protection function protects the plasma torch from damage, e.g. incorrect air pressure, missing consumables, overload of the pilot arc.

Model		Avalon 40.1 PFC	Avalon 40.1 PFC AIR
Input power (V)		1P 90VAC 275 VAC	160~275V
Fre. HZ		50/60	
		1-220/230/240 ± 10%	
Rated input current		23 A	33 A
Rated input power		4,9 KW	4,7 KW
Setting range of the current		20 A ~ 40 A	
Duty cycle 40°C 10 min		35% 40A 60% 32A 100% 25A	60% 36A 100% 30A
Cut-off for carbon steel		≤15	≤12
Optimal cutting thickness	Carbon steel	≤10	≤8
	Stainless steel	≤10	≤8
	Alu. Copper	≤6	≤4
	Copper	≤5	≤3
Measurement (L x W x H) mm		505x147x305	480x210x340
Protection class		IP23	IP23
Insulation class		H	H
Weight		8 kg	17,9 kg
Cooling		AF	
Power Factor		0.99	
Item no.		02.02.10.00042	02.02.10.00044

Scope of delivery:
1 Earth cable 3m

Optional accessories:
Hand torch
PT-60/6m with coaxialcable

Plasma Cutting Unit Avalon 65 CNC

Avalon 65 CNC

Neat and reliable cutting
The Avalon 65 CNC is the light, handy plasma cutting unit of the Avalon series with high cutting performance and top cutting quality. Its low weight makes it the ideal candidate for craftsmen, workshops and industry. The Avalon 65 CNC is equipped with a special interface for use as a CNC plasma cutting system.

Features

- IGBT technology
- Microprocessor control system for excellent and dynamic arc characteristics
- CNC-connection interface
- HF-free arc starting system for increased reliability and low EMF exposure
- Manual switch to activate the airflow to set the test air pressure without triggering the torch.
- Intelligent protection function protects the plasma torch from damage such as incorrect air pressure, missing consumables, overload of the pilot arc.



Model		Avalon 65 CNC
Input power(V)		3-380/V 400V ±10% /50/60Hz
Rated input current		18 A
Rated input power		7,8 KW
Current adjustment range		20 A ~ 65 A
No-load voltage		450 V
Duty cycle 40°C 10 min		90% 65A 100% 61A
Max. Cutting thickness on CNC machines		≤12-14 mm
Max. Cutting thickness carbon steel		≤35 mm
optimal cutting thickness	C-steel	≤25 mm
	Stainless steel	≤25 mm
	Aluminum	≤20 mm
	Copper	≤14 mm
Measurement (L x W x H) mm		663x253x423
Protection class		IP23
Insulation class		H
Weight		27 kg
Cooling		AF
Item no.		02.02.10.00063

Scope of delivery:
1 Earth cable 3m

Optional accessories:
Hand torch
PT-60/6m

Optional for CNC mode:
Machine torch
PTM-60 with coaxialcable /6m

Machine torch
PTM-60 with coaxialcable /12m

Profi-Line Plasma

Plasma Cutting Unit Avalon 65 AIR

Avalon 65 AIR with integrated compressor

Neat and reliable cutting

The air plasma cutting unit Avalon 65 AIR with integrated compressor is your reliable partner for demanding applications. Use the Avalon 65 Air to cut materials up to 35 mm thick.



Features

- IGBT technology
- with integrated compressor
- Microprocessor control system for excellent and dynamic arc characteristics
- CNC-connection interface
- HF-free arc starting system for increased reliability and low EMF exposure.
- Manual switch to activate the airflow to set the test air pressure without triggering the torch.
- Intelligent protection function protects the plasma torch from damage such as incorrect air pressure, missing consumables, overload of the pilot arc.

Model		Avalon 65 AIR
Input power(V)		3-380/V 400V ±10% /50/60Hz
Rated input current		18 A
Rated input power		7,8 KW
Current adjustment range		20 A ~ 65 A
No-load voltage		450 V
Duty cycle 40°C 10 min		90% 65A 100% 61A
Max. Cutting thickness on CNC machines		-
Max. Cutting thickness carbon steel		≤35 mm
optimal cutting thickness	C-steel	≤25 mm
	Stainless steel	≤25 mm
	Aluminum	≤20 mm
	Copper	≤14 mm
Measurement (L x W x H)		595x250x890 mm
Protection class		IP23
Insulation class		H
Weight		51,4 kg
Cooling		AF
Item no.		02.02.10.00064

Scope of delivery:
1 Earth cable 3 m

Optional accessories:

Hand torch
PT-60/6m with coaxialcable

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Profi-Line Plasma

Plasma Cutting Unit Avalon 120 CNC

Avalon 120 CNC

Neat and reliable cutting

The Avalon 120 CNC is a light, handy plasma cutting unit with high cutting performance and top cutting quality. Its low weight makes it the ideal candidate for craft, workshop and industry.
For use as a CNC plasma cutting machine, the Avalon 120 CNC is equipped with a special interface. The Avalon 120 CNC can pierce holes up to 18 mm material thickness.



Features

- IGBT technology
- Microprocessor control system for excellent and dynamic arc characteristics
- CNC-connection interface
- HF-free arc starting system for increased reliability and low EMF exposure.
- Manual switch to activate the airflow to set the test air pressure without triggering the torch.
- Intelligent protection function protects the plasma torch from damage such as incorrect air pressure, missing consumables, overload of the pilot arc.

Model		Avalon 120 CNC
Input power(V)		3-380/V 400V ±10% /50/60Hz
Rated input current		26 A
Rated input power		10,4 KW
Current adjustment range		20 A ~ 120 A
No-load voltage		450 V
Duty cycle 40°C 10 min		90% 120A 100% 93A
Max. Cutting thickness on CNC machines		≤20 mm
Max. Cutting thickness carbon steel		≤60 mm
optimal cutting thickness	C-steel	≤45 mm
	Stainless steel	≤45 mm
	Aluminum	≤36 mm
	Copper	≤20 mm
Measurement (L x W x H)		660 x 240 x 445 mm
Protection class		IP23
Insulation class		H
Weight		24 kg
Cooling		AF
Item no.		02.02.10.00121

Scope of delivery:
1 Earth cable

Optional for CNC mode:

Machine torch
PTM-100 with coaxialcable /6 m

Machine torch
PTM-100 with
coaxialcablel /12 m

Optional accessories:
Hand torch
PT-100 with coaxialcable/6 m

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Profi-Line Plasma

Plasma Cutting Unit Avalon 160 CNC

Avalon 160 CNC

Cutting - clean and reliable

The Avalon 160 CNC is a plasma cutting machine with high cutting performance and top cutting quality.

The Avalon 160 CNC is equipped with a special interface for use as a CNC plasma cutting machine.



Features

- IGBT-Technology
- Microprocessor control system for excellent and dynamic arc characteristics
- CNC Interface
- HF-free arc starting system for increased reliability and low EMF exposure
- Manual switch to activate the airflow to set the test air pressure without triggering the torch.
- Intelligent protection function protects the plasma torch from damage such as incorrect air pressure, missing consumables, overload of the pilot arc.

Model		Avalon 160 CNC
Input power(V)		3-400V ±10% /50/60Hz
Effective current		25 A
Rated input current		47 A
Rated input power		14,5 KW
Current adjustment range		20 A ~ 160 A
No-load voltage		420 V
Duty cycle 40°C 10 min		60% 160A 100% 125A
Max. Cutting thickness on CNC machines		≤18
Max. Cutting thickness carbon steel		≤55
optimal cutting thickness	C-steel	≤40
	Stainless steel	≤40
	Aluminum	≤30
	Copper	≤14
Measurement (L x W x H) mm		660x240x445 mm
Protection class		IP23
Insulation class		H
Weight		38,3 kg
Cooling		AF
Item no.		02.02.10.00160

Scope of delivery:
1 Earth cable

Optional:
Plasma hand torch XT-160/6m
Plasma hand torch XT-160/12m
Machine hand torch XM-160/6m
Machine hand torch XM-160/12m

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Plasma Cutting Torches

PTM-60 Plasma Cutting Torches

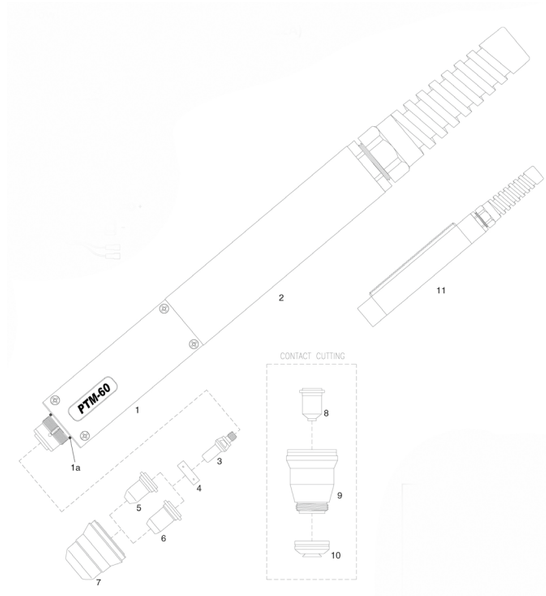
Suitable for Avalon 40.1 PFC/AIR and 60 CNC/AIR

Typ	PTM-60 with coaxialcable
Plasma cutting torch	Torch 70°, 6 m hose with rubber cover
Current range	10 - 60 A
Duty cycle 80%	60 A
Gas	Luft/N2
Gas pressure	4,4 - 5,0 bar
Gasflow	150 lpm
Ignition	without HF*
Item no. old	19460004
Item new	02.12.04.00116

*Patented ignition system without contact of the workpiece.

Accessories	Item no. old	Item no. new
Circle cutting attachment	19460180	02.13.05.00192
Cutting guide	19460182	02.13.05.00158

Cutting torch components PTM-60	Item no. old	Item no. new
1 Hand torch head	19460100	02.13.05.00101
1a O-Ring	19460104	02.13.05.00104
2 Fibreglas Positions-Pipe	19460110	
3 Plasma electrode, back striking	19460116	02.13.05.00113
4 Diffusor	19460120	02.13.05.00116
5 Plasma nozzle, contact cutting, DM 0,65 (10–20A), Back Striking	19460124	02.13.05.00119
5 Plasma nozzle, contact cutting, DM 0,8 (20–30A), Back Striking	19460128	02.13.05.00122
5 Plasma nozzle, contact cutting, DM 0,9 (30–40A), Back Striking	19460132	02.13.05.00128
6 flat Plasma nozzle, DM 1,0 (40–50A), Back Striking	19460136	02.13.05.00131
6 flat Plasma nozzle, DM 1,1 (50–60A), Back Striking	19460140	02.13.05.00134
7 Protective cap, 6 drillings	19460163	
7 Protective cap, 6 drillings, max. livetime	19460164	02.13.05.00152
8 Contact nozzle, DM 0,9 (30–40A), Back Striking	19460133	02.13.05.00162
Contact nozzle, DM 1,0 (40–50A), Back Striking	19460137	02.13.05.00165
Contact nozzle DM 1,1 (50–60A), Back Striking	19460159	02.13.05.00183
9 Protective cap	19460161	02.13.05.00186
10 Protective cap for machine	19460165	02.13.05.00171
11 Fibreglas Positions-Pipe with thread	19460114	
Key for electrodes	19460172	02.13.05.00158



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PT-60 Plasma Cutting Torches

Suitable for Avalon 40.1 PFC/AIR and 60 CNC/AIR

Typ	PT-60 with coaxialcable
Plasma cutting torch	hand torch, 6 m hose with rubber cover
Current range	10 - 60 A
Duty cycle 80%	60 A
Gas	Air/N2
Gas pressure	4,4 - 5,0 bar
Gasflow	150 lpm
Ignition	without HF*
Item no. old	19460002
Item new	02.12.04.00106

*Patented ignition system without contact of the workpiece.

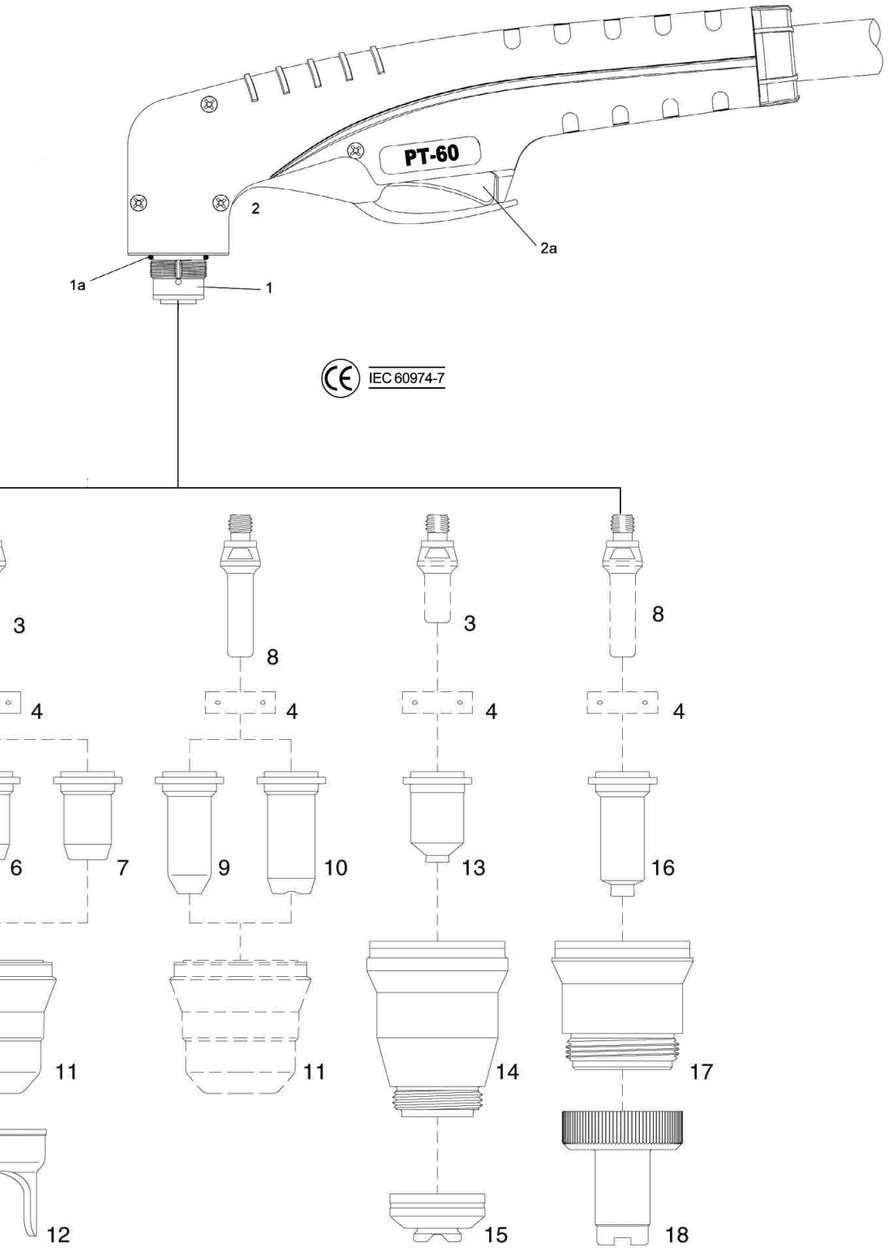
Accessories	Item no. old	Item no. new
Circle cutting attachment	19460180	02.13.05.00192
Cutting guide	19460182	02.13.05.00195

Cutting torch components PT-60	Item no. old	Item no. new
1 Hand torch head 70°	19460100	02.13.05.00101
1a O-ring	19460104	02.13.05.00104
2 Handle with switch	19460020	02.13.05.00107
2a Switch	19460066	02.13.05.00110
3 Plasma electrode, back striking	19460116	02.13.05.00113
4 Diffusor	19460120	02.13.05.00116
5 Plasma nozzle, contact cutting, DM 0,65 (10–20A), Back Striking	19460124	02.13.05.00119
5 Plasma nozzle, contact cutting, DM 0,8 (20–30A), Back Striking	19460128	02.13.05.00122
6 Plasma nozzle, contact cutting, DM 0,9 (30–40A), Back Striking	19460132	02.13.05.00128
7 flat Plasma nozzle, DM 1,0 (40–50A), Back Striking	19460136	02.13.05.00131
7 flat Plasma nozzle, DM 1,1 (50–60A), Back Striking	19460140	02.13.05.00134
8 long Plasma electrode, back striking	19460144	02.13.05.00137
9 long Plasma nozzle, contact cutting, DM 0,65 (10–20A), Back Striking	19460148	02.13.05.00140
9 long Plasma nozzle, contact cutting, DM 0,8 (20–30A), Back Striking	19460152	02.13.05.00143
10 long , Plasma nozzle contact cutting, DM 0,9 (30–40A), Back Striking	19460156	02.13.05.00146
11 Protective cap, 6 drillings, grey	19460160	02.13.05.00149
11 Protective cap, 6 drillings, max. lifetime	19460164	02.13.05.00152
12 Spacer with 2 tips	19460168	02.13.05.00155
13 Contact nozzle, DM 0,9 (30–40A), Back Striking	19460133	02.13.05.00162
Contact nozzle, DM 1,0 (40–50A), Back Striking	19460137	02.13.05.00165
Contact nozzle DM 1,1 (50–60A), Back Striking	19460138	02.13.05.00168
14 Protective cap head for contact cutting	19460165	02.13.05.00171
15 Protective cap head for contact cutting.	19460166	02.13.05.00174
16 Long protective nozzle DM 0,9 (40A) Back Striking	19460154	02.13.05.00177
Long protective nozzle DM 1,0 (50A) Back Striking	19460158	02.13.05.00180
Long protective nozzle 1,1 (60A) Back Striking	19460159	02.13.05.00183
17 Protective cap	19460161	02.13.05.00186
18 long protective cap (40-60A)	19460162	02.13.05.00189
Key for electrode	19461156	02.13.05.00243

Plasma Cutting Torches

PT-60 Plasma Cutting Torches

Suitable for Avalon 40.1 PFC/AIR and 60 CNC/AIR



PTM-100 Plasma Cutting Torches

Suitable for Avalon 120 CNC

Cutting torch components PTM-100	Item no. old	Item no. new
1a O-Ring	19462100	
1b Cooling tube	19462104	
2 Fibreglas Positions-Pipe	19462108	02.13.05.00305
3 Plasma elektrode, Back Striking	19460110	
4 Diffusor 30 – 70A	19462120	02.13.05.00311
5 Diffusor 80 – 100A	19462127	02.13.05.00313
6 Plasma nozzle, cut, DM 1,0 (40-50A), Back Striking	19462128	02.13.05.00315
6 Plasma nozzle, cut, DM 1,1 (50-60A), Back Striking	19462151	02.13.05.00319
6 Plasma nozzle, cut, DM 1,2 (60-70A), Back Striking	19462152	02.13.05.00321
7 Plasma nozzle, cut, DM 1,4 (80-90A), Back Striking	19462153	02.13.05.00323
7 Plasma nozzle, cut, DM 1,5 (100A), Back Striking	19462154	02.13.05.00325
8 Protective cap, 30 – 70A	19462155	02.13.05.00327
9 Protective cap, 80 – 100A	19462163	02.13.05.00329
Key for electrodes	19462164	02.13.05.00331
10 contact nozzle D 1,0 (40–50A), Back Striking		
10 contact nozzle D 1,1 (50–60A), Back Striking	19462195	02.13.05.00338
10 contact nozzle D 1,2 (60–70A), Back Striking	19462197	02.13.05.00341
11 contact nozzle D 1,4 (80–90A), Back Striking	19462198	02.13.05.00344
11 contact nozzle D 1,5 (100–110A), Back Striking	19462199	02.13.05.00347
12 Protective cap for contact cut	19462200	02.13.05.00350
13 Protective cap for contact cut	19462204	02.13.05.00356
14 Fibreglas Positions-Pipe, with thread	19462203	

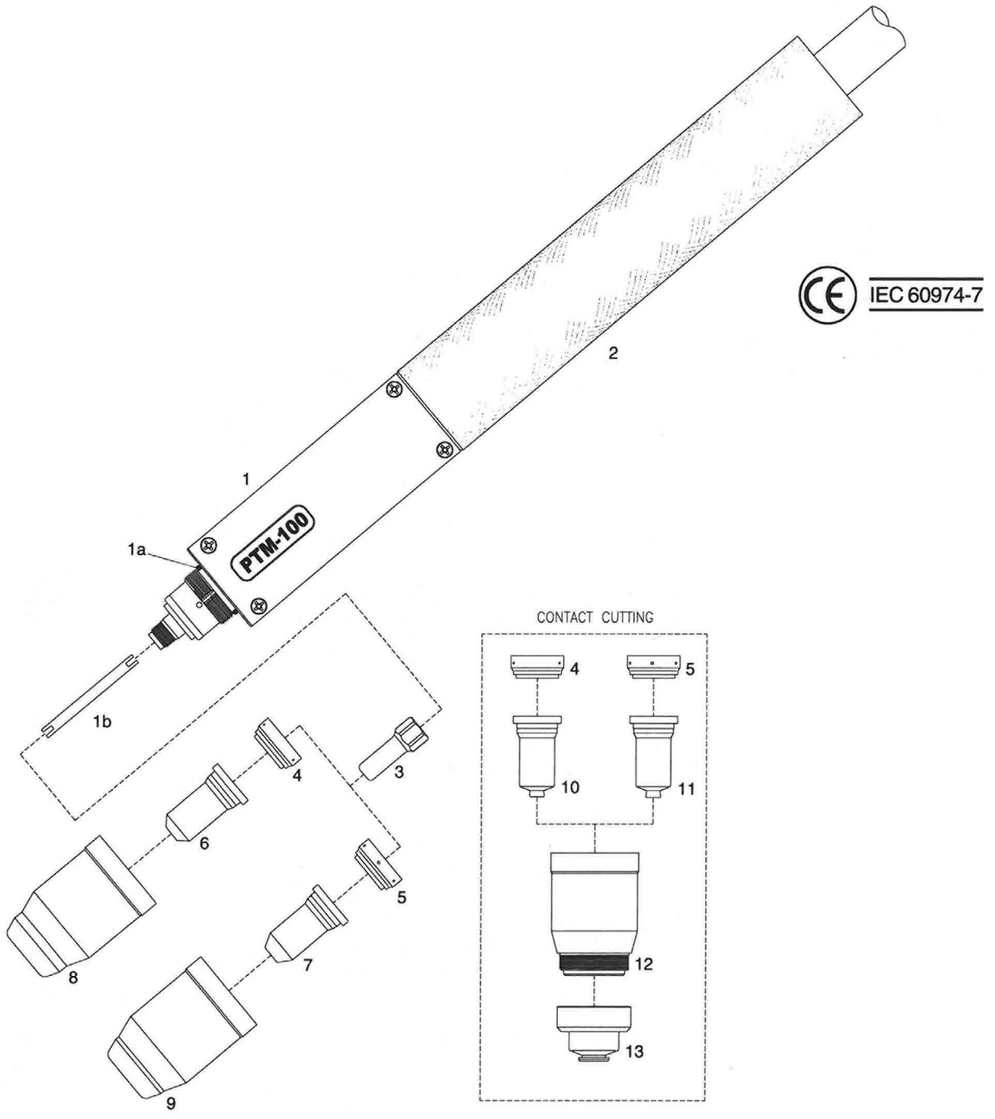
*Patented ignition system without contact of the workpiece.

Typ	PTM-100 with coaxialcable
Plasma cutting torch	Machine torch, 6 m hose with rubber cover
Current range	30 - 100 A
Duty cycle 60%	100 A
Gas	Air/N2
Gas pressure	4,6 - 5,0 bar
Gasflow	200 lpm
Ignition	without HF*
Item no. old, 6 m	19462008
Item no. new, 6 m	02.12.04.00106
Item no. old, 12 m	19462006
Item no. new, 12 m	02.12.04.00112

Plasma Cutting Torches

PTM-100 Plasma Cutting Torches

Suitable for Avalon 120 CNC



All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

Plasma Cutting Torches

PT-100 Plasma Cutting Torches

with coaxialcable suitable for Avalon 120 CNC

Features

- The special coaxial cable of this torch is extremely robust against slag and heat.

Typ	PT-100 with coaxialcable
Plasma cutting torch	hand torch 70°, 6 m hose with rubber cover
Current range	30 - 100 A
Duty cycle 60%	100 A
Gas	Air/N2
Gas pressure	4,6 - 5,0 bar
Gasflow	200 lpm
Ignition	without HF*
Item no. old	19462000
Item no. new	02.12.04.00306

*Patented ignition system without contact of the workpiece.

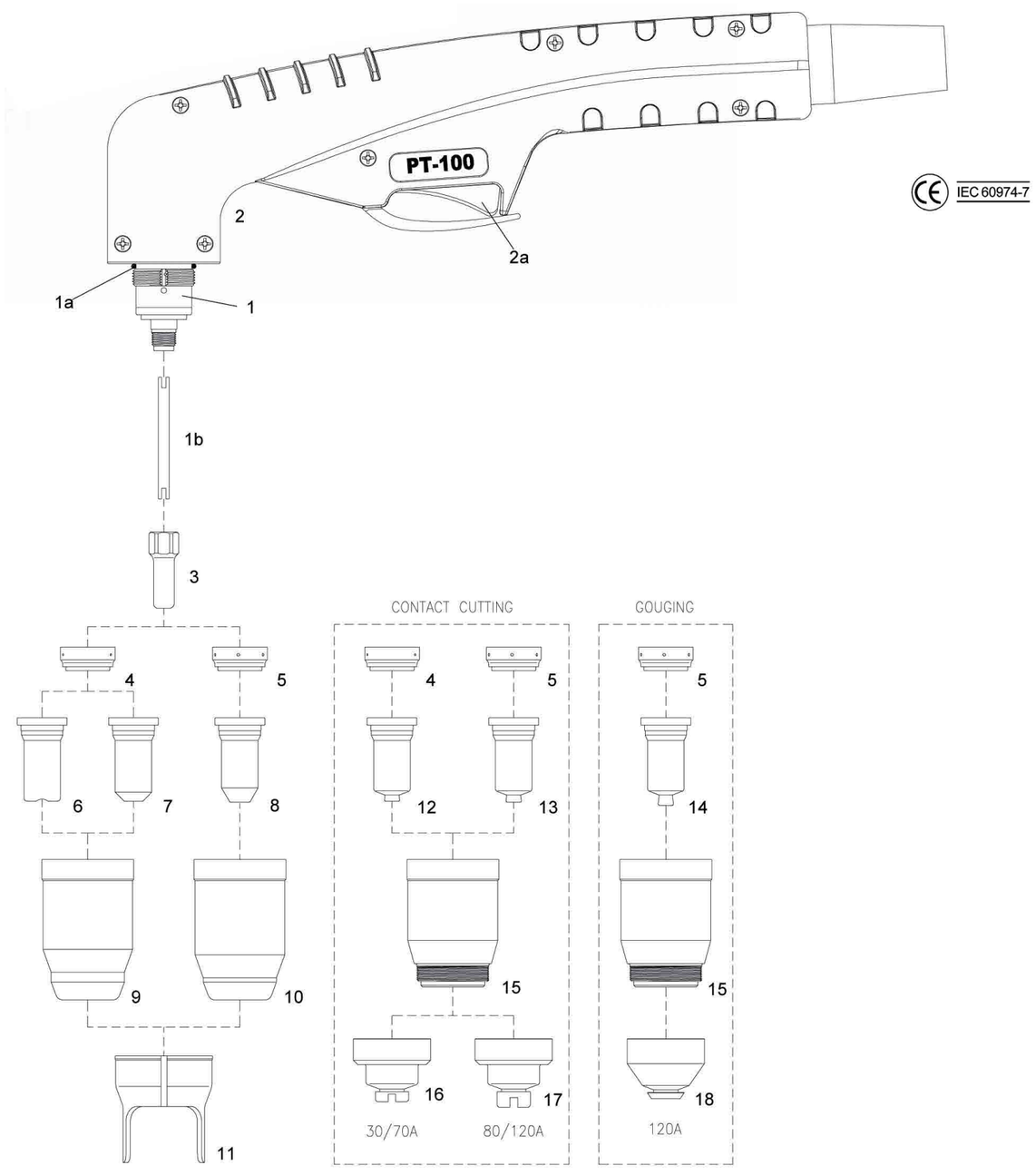
Accessories	Item no. old	Item no. new
Circle cutting attachment	19461192	02.13.05.00192
Cutting guide	19461196	02.13.05.00274

Cutting torch components PT-100	Item no. old	Item no. new
1 Hand torch head 70°	19462100	
1a O-ring	19462104	
1b Cooling tube	19462108	02.13.05.00305
2 Handle with switch	19461106	02.13.05.00307
2a Switch	19462112	02.13.05.00309
3 Plasma elektrode, Back Striking	19462120	02.13.05.00311
4 Diffusor 30 – 70 A	19462127	02.13.05.00313
5 Diffusor 80 – 120 A and gouging	19462128	02.13.05.00315
6 Plasma nozzle, contact cut, DM 0,9 (30 – 40A), Back Striking	19462194	02.13.05.00317
7 Plasma nozzle, cut, D 1,0 (40 – 50A), Back Striking	19462151	02.13.05.00319
7 Plasma nozzle, cut,, D 1,1 (50 – 60A), Back Striking	19462152	02.13.05.00321
7 Plasma nozzle, cut,D 1,2 (60 – 70A), Back Striking	19462153	02.13.05.00323
8 Plasma nozzle, cut, D 1,5 (100 – 110A), Back Striking	19462154	02.13.05.00325
8 Plasma nozzle, cut, D 1,6 (110 – 120A), Back Striking	19462155	02.13.03.00327
9 Protective cap, 30 – 70A	19462163	02.13.05.00329
10 Protective cap, 80 – 120A	19462164	2.13.05.00331
11 Spacer with 2 tips (only for 7 and 8)	19462168	02.13.05.00333
Key for electrodes	19462100	02.13.05.00335
12 contact nozzle D 1,0 (40 – 50A), Back Striking	19462195	02.13.05.00338
12 contact nozzle D 1,1 (50 – 60A), Back Striking	19462197	02.13.05.00341
12 contact nozzle D 1,2 (60 – 70A), Back Striking	19462198	02.13.05.00344
13 contact nozzle D 1,4 (80 – 90A), Back Striking	19462199	02.13.05.00347
13 contact nozzle D 1,6 (110 – 120A), Back Striking	19462200	02.13.05.00350
14 Gouging nozzle (100 – 120A), back striking	19462158	02.13.05.00353
15 Protective cap	19462204	02.13.05.00356
16 Protective cap head for contact cutting (40 – 70A)	19462210	02.13.05.00359
17 Protective cap head for contact cutting (80 – 120A)	19462212	02.13.05.00362
18 Protective cap head for gouging	19462214	02.13.05.00365

Plasma Cutting Torches

PT-100 Plasma Cutting Torches

with coaxialcable suitable for Avalon 120 CNC



Plasma Cutting Torches

XT160 Plasma Cutting Torches

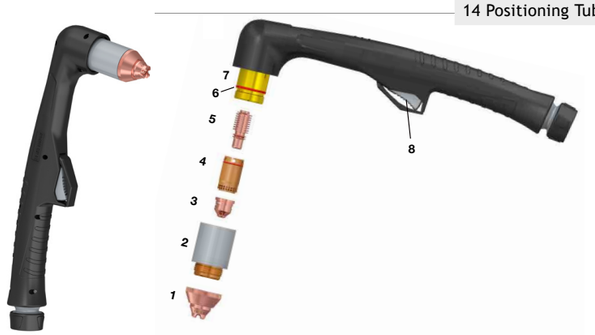
suitable for Avalon 160 CNC

Typ	XT-160 / 6m
Plasma cutting torch	hand torch, 6 m with coaxialcable
Cutting Thickness	40–45 mm
Duty Cycle 60%	160 A
Gas	Air
Air Pressure	5,0 - 6,0 bar
Start	Pneumatic Ignition
Item no.	02.12.04.01160

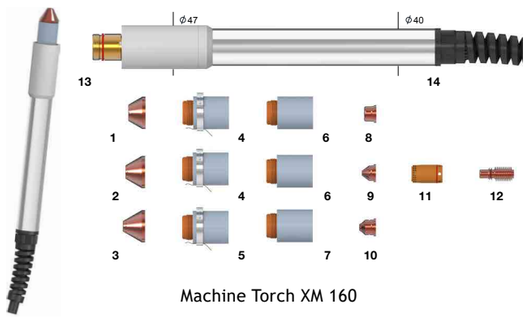
Cutting torch components X-160 / 6m	Item no.
1 Protective cap, 105-160 A	02.13.05.01110
2 Protective cap, 105-160A	02.13.05.01120
3 Plasma nozzle, 160A	02.13.05.01130
4 Diffusor	02.13.05.01140
5 Plasma elektrode	02.13.05.01150
6 O-ring	02.13.05.01160
7 Hand torch	02.13.05.01170
8 Switch	02.13.05.01190

Typ	XM-160 / 6m /12m
Machine torch	hand torch, 6 m/12 m with coaxialcable
Cutting Thickness	40–45 mm
Duty Cycle 60%	160 A
Gas	Air
Air Pressure	420 l/min
Gas pressure	5,0 - 6,0 bar
Start	Pneumatic Ignition
Item no. 6 m	02.12.04.01170
Item no. 12 m	02.12.04.01172

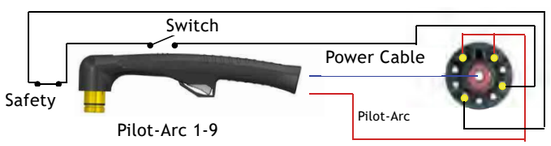
Machine torch components XM-160	Item no
1 Deflector, Precision Cut , 45-85 A	
2 Shield Cup, 45-85A	
3 Shield Cup, 105-160A	
4 Shield Cup cap, 45-85 A	
5 Shield Cup cap, 105-160 A	
6 Shield Cup 45A, 65A, 85A	
7 Shield Cup 105-125A, 160A	
8 Cutting nozzle, Precision Cut 30 - 45A	
9 Cutting nozzle 45A, 65A, 85A	
10 Cutting nozzle 105 - 125A, 160A	
11 Diffusor	02.12.05.00140
12 Electrode	02.13.05.00150
13 Torch Head	02.13.05.01180
14 Positioning Tube	02.13.05.01200



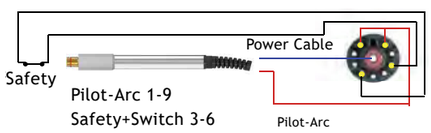
Plasma torch XT 160



Machine Torch XM 160



Pilot-Arc 1-9
Safety+Switch 3-6



Pilot-Arc 1-9
Safety+Switch 3-6

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Profi-Line Plasma

Plasma Cutting Unit Thermal Dynamics®

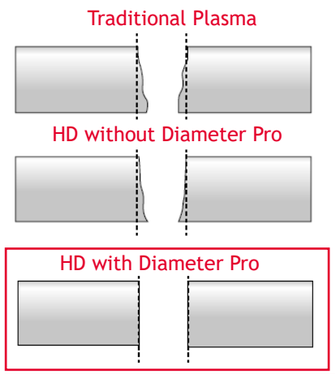
New generation of precision plasma cutting
The system UC 201 and UC 301 offer superior cutting performance in mild steel and non-ferrous metals. The power sources are designed for reliable and cost-effective operation.
Thermal Dynamics enables you to cut perfect holes with Diameter Pro software, where know-how meets technological capabilities.



Features

- Flexibility in cutting through thick and thin all types of metal
- Fast air/air cutting
- Reliable and comfortable operation with maximum productivity
- XT 301 Torch Technology
- Extensive gas control
- Eliminates secondary process and increases productivity
- Perfect holes with Diameter Pro
- Easy handling and programming

Model	UC 131	UC 201	UC 301
Supply voltage		400 V, 50/60 Hz, 3-phase	
Output Range DC	5-130 A	200 A	300 A
Rated input current at max. output power		7,4 A	12,3 A
No load voltage		425 VDC	
Output	23,4 kW	40 kW	60 kW
Duty cycle	100%	100%	100%
Measurement (L x W x H) mm	1219x698x1031	914x701x1213	1031,2x698,5x1397
Weight	186 kg	222 kg	277 kg
Item no.			





Incl. Software:
- Diameter Pro Software

Diameter Pro automatically adjusts the following parameters depending on material type, thickness and hole size.

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Plasma cutting torch

Thermal Dynamics®

Auto-Cut XT systems offer maximum productivity with reliability and ease

Productivity

- High cut speed to produce more parts per hour
- Water Mist Secondary (WMS) the cut speed can be up to 3 times faster than with similar cutting systems
- Highest kW output in its class
- Outstanding parts life
- Reduced downtime during parts changes due to the SpeedLok cartridge design of the XT™ 301-Torch



Reliability

- Exhaustive lab testing and field trials ensure on-going performance and reliability

Technology

- Microprocessor controlled to produce the best cut quality
- Precision torch design offers the best cut quality in its class
- Higher cut speed than H35 with the use of N2/H20 on non-ferrous metals

XTTM 301-Torch Technology

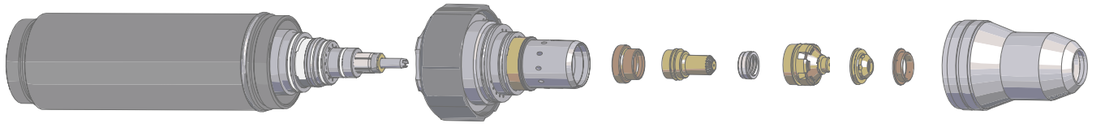
Thermal Dynamics XT Torch Technology delivers productivity and reliability.

- Keyless consumable cartridges for rapid process changes
- Precision construction insuring accurate re-centering of consumable cartridge after parts change
- Rapid engagement SpeedLock retaining collar
- Liquid cooled consumable parts electrical connections
- Spring loaded leak-less coolant tube design
- Increased cooling of tip and electrode
- Improved life through patent alignment control

Plasma cutting torch

Thermal Dynamics®

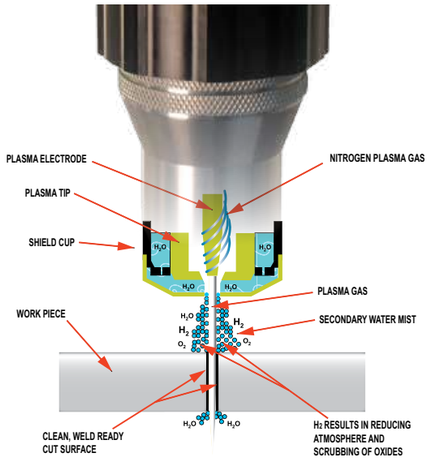
XT-Torch Spare Parts	Item no.
XT-Shield Cup, 200 A MS	02.13.03.31014
XT-Protective cup holder, 300A	02.13.03.31015
XT-Electrode, 100A, MS	02.13.03.31171
XT-Electrode, 100A, SS/AL	02.13.03.31089
XT-Electrode, 200A, MS	02.13.03.31055
XT-Electrode, 50A WMS,XTL	02.13.03.31181
XT-Electrode, 70A, MS	02.13.03.31170
XT-Elektrode, XTL 200/250A MS	02.13.03.31075
XT-Plasma Gas Diffusor	02.13.03.31041
XT-Plasma Diffusor	02.13.03.31042
XT-Cutting nozzle, 100A, MS	02.13.03.31053
XT-Cutting nozzle, 100A, MS XTL	02.13.03.31153
XT-Cutting nozzle 50A, WMS, XTL	02.13.03.31180
XT-Cutting nozzle 70A, MS, XTL	02.13.03.31152
XT-Shielding gas diffuser 200A, MS	02.13.03.31285
XT-Shielding gas diffuser 30-100A, SS/AL	02.13.03.31274
XT-Shielding gas diffuser 50-100A, MS	02.13.03.31272
XT-Protective cap, 100A, MS	02.13.03.31027
XT-Protective cap, 100A, SS/AL	02.13.03.31036
XT-Protective cap, 200A, MS	02.13.03.31030
XT-Protective cap, 50A, SS/AL	02.13.03.31034
XT-Protective cap, 70A, MS	02.13.03.31026
XT-Protective cap set	02.13.03.31016



WMS Benefits

- Excellent non-ferrous metal cut quality using N2 as plasma gas and ordinary tap water as the secondary
- Lowest operating cost
- Dross-free cutting from 1 mm to 20 mm
- Oxide-free cut face surface
- Wide parameter window
- Easy-to-use
- High cut speeds compared to H35 cutting
- Standard with AC 300, Optional with AC 200

N2 / H20 Plasma on Non-Ferrous



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Profi-Line Plasma

Plasma Cutting Unit Thermal Dynamics®

Cuts mild steel, stainless steel, aluminium
The A-60i from Thermal Dynamics is a light, handy plasma cutting system with high cutting performance and top cutting quality. Its low weight of only 15.9 kg makes it the ideal candidate for craft, workshop and industry.

For use as a CNC plasma cutting machine.
The A-60i can be used in even the most demanding environments with a duty cycle of 80 %.



Pic. A40i CNC / A60i CNC

Features

- Wide digital display for cutting current and state indication
- Mode selection
- Current regulation
- Replacement indicator for wear parts
- Gas pressure indication
- Display Torch type and cable length
- Fast change between auto and hand torch by torch status recognition.
- Workpiece cable with Dinse quick release
- CNC interface connection



Pic. A120



CNC interface connector on the rear of the power source
- 3, 4: Plasma-Start/Stop-Singnal
- 5, 6: Divided arc voltage
- 10, 11, 13: Platinum contact for ohmic sensing
- 12, 14: OK for feed

Scope of delivery:
1 Machine torch 7,6

Model	A40i CNC	A60i CNC	A80	A120
Supply voltage	400 V, 50/60 Hz, 3-phase			
Output Range	10 - 40 A	10 - 60 A	30 - 80 A	30 - 120 A
Rated input current at max. output power	7,4A	12,3A	28 A	36 A
No-load voltage	300 VDC		260 VDC	
Output power	4,8 kW	7,9 kW	12 kW	15,4 kW
Duty cycle	80% 40A 100% 30A	80% 60A 100% 50A	80% 80A 100% 70A	80% 120A 100% 100A
Mild steel	≈ 5 mm 1345 mm/min.	≈ 12 mm 795 mm/min.	≈ 15 mm 610 mm/min.	≈ 20 mm 720 mm/min.
Stainless steel	≈ 5 mm 715 mm/min.	≈ 12 mm 580 mm/min.	≈ 12 mm 765 mm/min.	≈ 15 mm 1160 mm/min.
Aluminium	≈ 5 mm 1440 mm/min.	≈ 12 mm 845 mm/min.	≈ 15 mm 745 mm/min.	≈ 15 mm 610 mm/min.
Protection class	IP23C			
Insulation class	F			
Cooling	Air			
Measurement (H x W x L) mm	359 x 199 x 536		343 x 248 x 660	
Weight	15,9 kg		28,6 kg	

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Plasma cutting torch

Thermal Dynamics®

suitable for Thermal Dynamics® A-Series

Machine torch replacement parts	Item no.
Positioning Tube, Fiberglass, 279 mm (11“)	
Rack and Screw	
Torch Holder Sleeve	
Ohmic clip	
Torch Head replacement parts	
Torch Head, SL-100, 180°	
Torch consumables	
O-Ring	
O-Ring	
Electrode, Automation	02.13.03.38232
Heavy Duty Start Cartridge	02.13.03.38277
Cutting nozzle 40A	02.13.03.38208
Cutting nozzle 50/55A	
Cutting nozzle 60A	02.13.03.38210
Cutting nozzle 70A	
Cutting nozzle 80A	02.13.03.38211
Cutting nozzle 90/100A	02.13.03.38212
Cutting nozzle 120A HQ	02.13.03.38233
Protective cap	
External protective cap, MaximumLife®	02.13.03.38237
Shield cup, 40A Machine	02.13.03.38245
Shield cup, 50/60A Machine	02.13.03.38238
Shield cup, 70/100A Machine	02.13.03.38239
Shield cup, 120A Machine	
Shield cup, Deflector	02.13.03.38243
Ohmic clip	02.13.03.38224



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Profi-Line Plasma

CNC Plasma Cutting

Lightweight yet Reliable Cutting Solution
CNC CUT S2 offers a flexible solution with all advantages of a CNC portable cutting machine. Due to its lightweight and solid aluminium construction, this small unit is quick to assemble and dismantle. It can be configured as either a oxy-fuel cutting machine or a plasma cutting machine.
The machine is easy to program and nests material. It can be used for manual programming of simple graphics or for automatic programming of complex graphics via optional nesting software (Wizard3 or Fastcam).

Features

- A simple, menu-driven interface is easy to learn and operate.
- Built-in library of common shapes
- File transfer storage is convenient and flexible: Support USB port for program loading.
- G code dynamic simulation processing function
- Kerf compensation
- Complex curve fitting function
- Support multi-format file import and export.



Control with USB interface



- Optimized following algorithm to improve cutting quality.
- Using high power arc starting relay to enhance arc starting stability
- Professional motor drive chip to strengthen protection measures
- Double LED digital tube display, set arc voltage and actual arc voltage

Model	CNC CUT S2
Supply voltage	230 V, AC/110V AC, 50/60 Hz
Input power	180 W
Cutting tolarance	< 0,5 mm
Plasma height control	THC
Display	75 mm
Plasma Cutting Thickness	Depending on the plasma power source
Plasma Cutting Speed	0 - 4000 mm/min
Item no.	02.02.50.00030

Optional:
- Software: Libellula® Wizard 3 Nesting software for PC
- Teaching
- Maintenance contract



New Lifter
Increase the upper and lower limits. eliminate operating errors to damage the lifting body.

*All CNC plasma systems are delivered without oxyfuel equipment!

Profi-Line Plasma

CNC Plasma Cutting

Portabel and accurate:
CNC-plasma cutter CNC CUT E
Portable device, especially for long workpieces. The torch moves on a gear rack. The cross beam with the torch is based on rails. Despite of the simple construction the device works very acurate. With anti-collision system!





Simple operation
The operating software and its display are hierarchical.
You can operate programmed controls automatically or manually.

Control with USB interface



Wider Rail
The wider the rail is, the stronger and more stable is the machine, Cruiser-mini rail width is up to 445mm.



Updated Rail
Duty 100% and endurable.

Emergency Button
Design for emergency situation, to protect the safety of worker and machine.



Duo ball Linear Guider



New Design THC
Heat and electromagnetic effection are mostly avoided rather than traditional THC. Much long service time.

Model	CNC CUT E
Supply voltage	230 V, AC/110V AC, 50/60 Hz
Cutting Speed	0 – 1.000 mm/min (oxy-acetylene) 0 – 8.000 mm/min (plasma)
Height control	THC
Effective cutting range (mm)	X-Axis: 1.500 mm Y-Axis: 3.000 mm (further sizes on request)
Cutting tolarance	± 0,4 mm (with standard plasma system)
Cutting tolarance	< 0,3 mm
Posit. accuracy	< 0,3 mm
Rep. pos. accuracy	< 0,4 mm
Weight	200 kg
Dimensions (LxB) mm	1670x3500
Item no. CNC CUT E Fix	02.02.50.00115
Item no. CNC CUT E with extendable rail	02.02.50.00120
Item no. Extension rail 3 m	02.02.50.00122

Software optional:
- Libellula® Wizard 3 nesting software for PC

*All CNC plasma systems are delivered without oxyfuel equipment!

Profi-Line Plasma

CNC Plasma Cutting

The cost-effective plasma cutting solution: CNC CUT Smart
Low space requirement but all benefits of a plasma cutting table. Easy to install and to maintain. Start directly working with the supplied software.

Control with USB interface

VIDEO

Productvideo

Optional:
- Libellula® Wizard 3 nesting software for PC



Create your template on your PC and just transfer it to an USB-stick....



Material cutting thickness from 0,3 mm to 30 mm possible
Three cutting modes for different thicknesses one-button switching on the control panel

- Pneumatic height adjustment mode plasma cutting thin plate
- Arc voltage high mode plasma cutting medium thin plate
- Capacitor height adjustment mode flame cutting thick plate (optional)



Model	CNC CUT Smart		
Supply voltage	230 V, AC/110V AC, 50/60 Hz		
Running speed	0~20.000 mm/min		
Effective cutting range	1.300 mm x 1.300 mm	1.300 mm x 2.500 mm	1.500 mm x 3.000 mm
Cutting speed	0~6,000mm/min		
Cutting tolarance	± 0,3 mm (with standard plasma unit)		
Positioning accuracy	0,3 mm		
Repeat positioning accuracy	< 0,4 mm		
Height control	THC		
Dimensions (LxWxH) mm	1.818x1.950x1.361	3.018x1.950x1.361	3.518x2.150x1.361
Cutting thickness	0,3 mm - 15 mm	0,3 mm - 30 mm	0,3 mm - 30 mm
Weight	400 kg	650 kg	750 kg
Cross beam	Aluminium (60x145)		

*All CNC plasma systems are delivered without oxyfuel equipment!

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Profi-Line Plasma

CNC Plasma Cutting

Optional Air dusting table or water table for CNC Plasma Cutting
We provide customers with two types of high-efficiency dust-removing load-bearing tables.
Option 1: Water table absorbs metal residues through water, effectively reducing dust..
Option 2: Air dusting table the load-bearing table and dust collector are connected through an additional down-fl ow system to achieve a perfect dust removal effect.



Air dusting table 1.500 x 3.000 mm max. Workpiece thickness 30 mm

Water table / Air dusting	1.300 x 1.300 mm	1.300 x 3.000 mm
max. Workpiece thinkness	0,5 mm - 30 mm	0,5 mm - 30 mm
Needed external dust collector	≥ 5.5 kw	≥ 5.5 kw
with Segment extraction table	without	only with (item 02.02.53.01530)
Item no.	02.02.52.01315	–

Productvideo

VIDEO

CNC plasma tube machine

CNC Tube S2
The CNC Tube S2 is a cost-effective tube cutting solution designed on a compact platform. The Tube S2 is ideal for roll cage, railing and fencing manufacturers, as well as many other small to medium sized manufacturing operations looking to increase efficiency in profiling and cutting their workpieces. This 2-axis CNC tube cutting machine can cut aluminium, stainless steel and mild steel tubes quickly and easily



Model	CNC Tube S, 2-Axis
Power	110V / 220V, 1-phase / 60Hz
Running speed	0~8,000mm/min
Pipe Capacity	30 ~ 120 mm
Height control	HYD Arc voltage THC
Travel in longitudinal direction	3m / 6m / 9m / 12m / 15m (Extension by 3 metres)
Max. Cutting speed	0 - 8000mm/min.
Rotation drive	Precision planetary gear and belt drive
Linear movement	Precision rod and gear
Cutting process	Plasma

Optional:
- Libellula® TUBE 2-axis software with nesting function

Control with USB interface

VIDEO

Productvideo

*All CNC plasma systems are delivered without oxyfuel equipment!

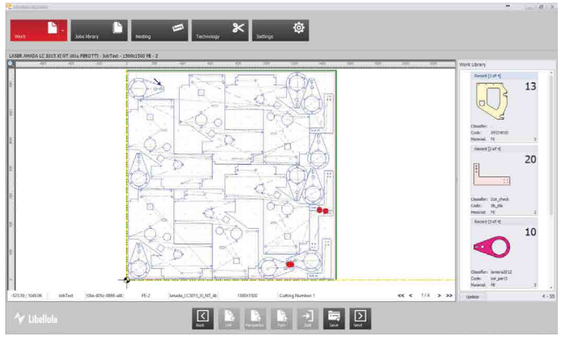
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Profi-Line Plasma

CNC Profi-Softwarepackage Libellula® Wizard

Libellula!
This plate-processing software can be ordered separately. Develope your project on your local PC and transmit it via the USB-interface to the plasma cutting device at the workplace.Existing files in many common formats can be processe (dwg, dxf, etc.).

Libellula is a software application which can be learned very quickly, so no additional training of the user is necessary.



Features

- Create any 2D object
- Trouble free data exchange
- 3D simulation
- DXF/DWG import/export for your existing projects

Create your template on your PC and just transfer it to an USB-stick ...



... and to the cutting device. That's it.



Functions	Libellula Wizard 3
DXF/DWG-Import	yes
2D-Icon-library	yes
Sheet metal library	yes
Icon-control	yes
Nesting type	automatic
Cutting technology library	manually/automatic
Cutting technology chart	yes
Cutting path visualization	yes
Cutting path control	yes
cutting path correction	automatic
Post-Processor	yes
Realistic 3D-simulation	yes
Cutting time calculation	yes
Individual interface	yes
HVAC-Modul on demand	yes
BEVEL-Modul on demand	yes
STORAGE-Modul on demand	yes
VISIO-Modul on demand	yes

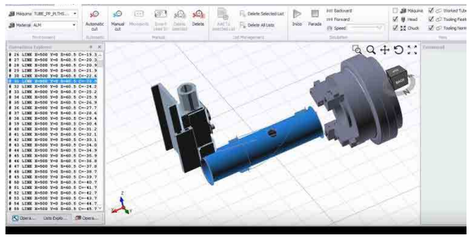
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Profi-Line Plasma

CNC Profi-Softwarepackage Libellula TUBE®



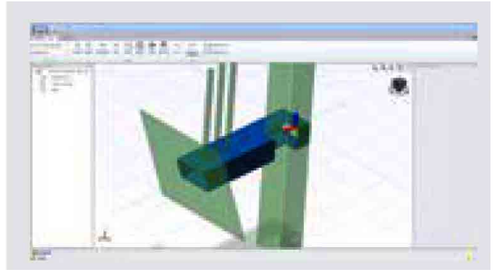
CNC-Precision!
Libellula TUBE makes programming incredibly easy and fast of each cutting machine for tubes and profiles



Libellula TUBE Software package

Libellula TUBE!
This pipe-processing software can be ordered separately. Develope your project on your local PC and transmit it via the USB-interface to the plasma cutting device at the workplace.Existing files in many common formats can be processe (dwg, dxf, etc.).

Libellula is a software application which can be learned very quickly, so no additional training of the user is necessary.



Parametric design environment

Features

- Parametric tube design: everything in just a few steps, with maximum flexibility
- Possibility of creating templates on the basis of sections loaded from DXF file
- Real-time design of the model with immediate display of the geometric changes of the whole piece or a particular attribute
- With each change, the shaft of the design will populate the levels of all tools used; the history thus created will also change the tools and parameters in a fast and functional way. The tools used for the creation of the model will be parametric and of any possible shape, enabling you to create totally customizable tubes



Technology and simulation

3D simulation and automatically PPR creation
Libellula.TUBE enables the creation of 3D cutting pattern starting from the particular desired, in addition to its simulation in the machine and to the generation of the post-processor in a fully automatic manner.



3D Postprocessor generation

All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

Welding tractors

MIG-500 and MIG 502 with magnet

Choice of tractor with battery or mains adapter

With large scope of delivery
With the MIG 500 and MIG 502 you can easily weld vertically and horizontally, with or without a guide rail. The tractors can be used on different rails.



Model	MIG 500	MIG 502
Supply voltage	DC 24V	DC 24V
Traction power	32 kg	32 kg
Horizontal adjustment	20 mm	20 mm
Vertical adjustment	20 mm	20 mm
Speed mm/min.	35 ~ 930 mm/min.	35 ~ 930 mm/min.
Pivoting movement		0 ~ 65°/min
Dwelling time left/right		0 ~ 2,5 sec.
Oscillation angle		0 ~ ± 5°
Measurements (LxWxH) mm	324 x 300 x 237	320 x 340 x 230
Weight	12 kg	12 kg
Item no.	02.20.01.02010	02.20.01.02020

Accessories optionally for battery mode	Item no.
Charger	02.20.02.11000
Battery MIG 500 and MIG 502	02.20.02.11010
Accessories optionally for mains operation	**Item no.**
Power supply	02.20.02.11100
Cable set 15 m Control cable 5 m	02.20.02.11105
Accessories optional	**Item no.**
Adapter for oxyfuel torch	02.20.02.10020



No problem for rising or falling seams

Scope of delivery:
1 Welding tractor
1 Pair claws for Nylon- and alu-rail

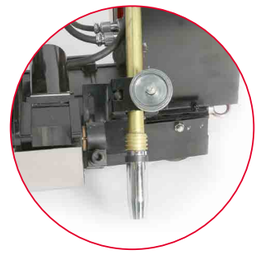
Welding tractors

MIG-500 and MIG 502 with magnet

Choice of tractor with battery or mains adapter

Features

- Robust, compact casing.
- Easy handling
- Welding in both driving directions possible.
- Continuous driving speed with digital display
- Digital display
- For MIG 502 Oscillator angle
- Also suitable for oxy-acetylene work







Aluminium guide rail 1,5 m
Item no. 02.20.02.00080



Attachement for cutting torch,
Item no. 02.20.02.10020



additional battery for MIG 500 and MIG 502
Item no. 02.20.02.11010



Flexible guide rail 1,5 m
Item no. 02.20.02.00050



Tractor drive on Flexible steel-rail





User interface of the MIG-500 and MIG-502 welding carriages

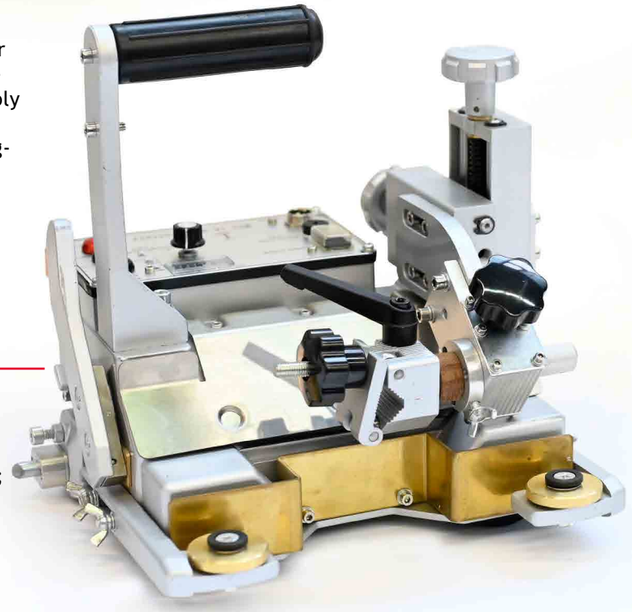
All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

Welding tractors

MIG 1 A

Choice of tractor with battery or mains adapter

Welding with tractors - a clean solution
Welding tractors are used effectively above all for welding fillet welds in numerous variations. Particularly long weld seams can be worked comfortably and cleanly with a welding tractor - and without any manual intervention thanks to the strong magnet and the precise guide wheels!



Features

- With high performance magnet
- Robust, compact casing.
- Extremly small and lightweight construction
- Low center of gravity with high traction (16 kg); vertical moving possible.
- Continius driving speed
- Easy handling with magnet release lever;
- Welds in both directions.
- Limit switch on both sides.

Model	MIG 1A
Operating voltage Power supply	230 V/AC 24 V, 3,5A
Operating voltage tractor	AC 24V
Traction power	16 kg
Power	4-wheel drive
Adjustment range torch	horizontal angle 40°-55° up/ down 40mm, right/left 40mm
Speed mm/min	35 - 930
Measurement (L x W x H) mm	280 x 260 x 265
Weight	7,6 kg
Item no.	02.20.01.00010

Accessories optionally for battery mode	Item no.
Charger	02.20.02.11000
Battery MIG 1A and MIG 1B	02.20.02.11012
Accessories optionally for mains operation	**Item no.**
Power supply	02.20.02.11100
Cable set 15 m Control cable 5 m	02.20.02.11105



Display MIG 1A

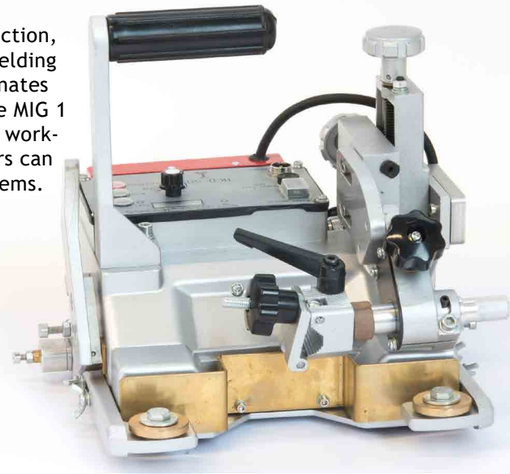
Scope of delivery:
1 Welding tractor
Optional:
Charger,Battery or Power supply, Cable set 15 m,

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Welding tractors

MIG 1 B

A reliable partner
The MIG 1 B is mainly used in ship, bridge and locomotive construction, as well as in the steel and petrochemical industries. Automatic welding with tractor improves the quality of the welds and virtually eliminates defective seams. Thanks to the limit switches on both sides of the MIG 1 B, the tractor stops automatically when it reaches the end of the workpiece or encounters an obstacle on the side. Thus, several tractors can be operated simultaneously by only one person without any problems.



Features

- Robust, compact casing.
- With high performance magnet
- Low center of gravity with high traction (16 kg); vertical moving possible.
- Easy handling with magnet release lever
- Welds in both directions.
- Application in horizontal fillet welding with wide range of welding speed control.
- Crater fills for a clean finish.
- Limit switch on both sides.
- Step welding with adjustable distance





MIG 1B with Oszillator

Scope of delivery:
1 Welding tractor
Optional:
Charger,Battery or Power supply, Cable set 15 m,



Automatic limit switch for obstacle



User Interface

Model	MIG 1B
Supply voltage	DC 24 V
Traction power	20 kg
Power	4-wheel drive
Adjustment range torch	horizontal angle 40°-55° up/ down 40mm, right/left 40mm
Speed mm/min	35 - 930
travel pause / welding travel mm	0 - 999
Measurement (L x W x H) mm	280 x 260 x 265
Weight	8,6 kg
Item no.	02.20.01.00020
Item no. MIG 1 B with oscillator	02.20.01.00022

Accessories optionally for battery mode	Item no.
Charger	02.20.02.11000
Battery MIG 1A and MIG 1B	02.20.02.11012
Batterie MIG 1B with Oszillator	02.20.02.11010
Accessories optionally for mains operation	**Item no.**
Power supply	02.20.02.11100
Cable set 15 m Control cable 5 m	02.20.02.11105

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Welding tractors

MIG-1DUO with two Torches

The MIG-1DUO tractor can be operated with two torches at the same time. This makes the Duo version the ideal tool for T-shapes. Thanks to the limit switches on both sides of the MIG-1DUO, the tractor stops automatically when it reaches the end of the workpiece.



Model	MIG 1DUO
Operating voltage Power supply	230 V/AC 24 V, 3,5A
Operating voltage tractor	DC 24V
Traction power	30 kg
Drive	4-wheel drive
Adjustment range torch	horizontal angle 40°~55° up/ down 40mm, right/left 40mm
Speed mm/min	100 ~ 1500
Measurement (L x W x H) mm	517 x 280 x 555
Weight	12,8 kg
Item no.	02.20.01.00030



Display MIG-1DUO

Accessories optionally for battery mode	Item no.
Charger	02.20.02.11000
Battery MIG 1DUO	02.20.02.11012
Accessories optionally for mains op.	**Item no.**
Power supply	02.20.02.11100
Cable set 15 m Control cable 5 m	02.20.02.11105

Scope of delivery:
1 Welding tractor
Optional:
Charger,Battery or
Power supply, Cable set
15 m,

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Welding tractors

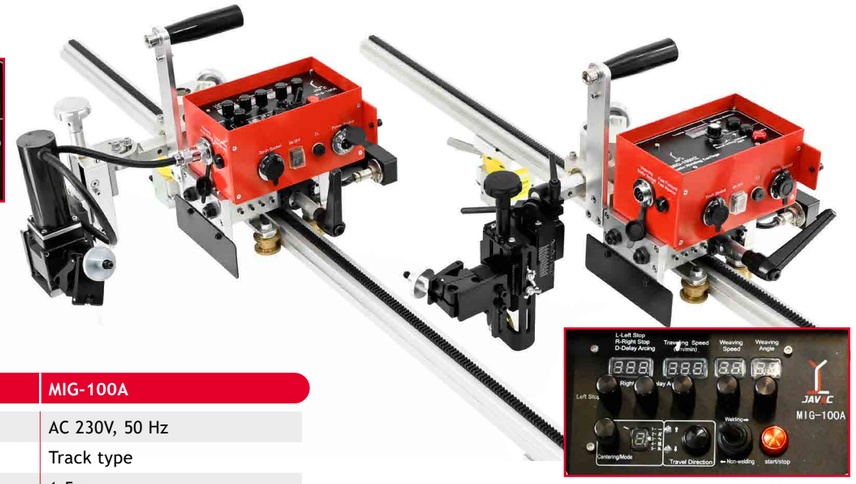
MIG-100A und MIG-100HZ

Choice of tractor with battery or mains adapter

MIG-100A and MIG-100HZ welding tractors are used for vertical or horizontal fillet welding or butt welding, where the carriage is installed parallel to the weld seam.
The carriage of the MIG-100A has a pendulum function and is suitable for wide and thick weld seams;
The MIG 100HZ is equipped with a mechanical height sensor.



Control panel MIG-100HZ



Control panel MIG-100A

Model	MIG-100A
Input power supply	AC 230V, 50 Hz
Walking mode	Track type
Track length	1,5 m
Driving mode	Gear and rack drive
Adsorption power	200 kg
Speed	3,5 - 95 cm/min
Oscillating velocity	0-40Kreis/min
Swing Angle	0—±8°
Left stop time	0—2.5S
Right stop/delay arc start time	0—2.5S
Oscillating mode	
Adjustment range of welding gun	transverse: 110 mm vertical: 70mm Rotation around X-axis : ± 45° Rotation around Y-axis : ± 30
Measurement (L x W x H) mm	375x295x270 mm
Weight	14,6 kg
Item no.	02.20.01.02040

Modell	MIG-100HZ
Input power supply	24V-4AH lithium battery
Walking mode	Track type
Track length	1,5 m
Driving mode	Gear and rack drive
Adsorption power	200 kg
Walking speed	3,5 - 95 cm/min
Adjustment range of welding gun	transverse: 110 mm vertical: 70mm Rotation around X-axis : ± 45° Rotation around Y-axis : ± 30°
Measurement (L x W x H) mm	375x295x270 mm
Weight	14,6 kg
Item no.	02.20.01.02041

Accessories optionally for battery mode	Item no.
Charger	02.20.02.11000
Battery	02.20.02.11010
Accessories optionally for mains op.	**Item no.**
Power supply	02.20.02.11100
Cable set 15 m Control cable 5 m	02.20.02.11105
Accessories optional	**Item no.**
Adapter for oxyfuel torch	02.20.02.10020

Scope of delivery:
1 Welding tractor
Optional:
Aluminium guide rail
Charger, Battery or
Power supply, Cable
set 15 m,

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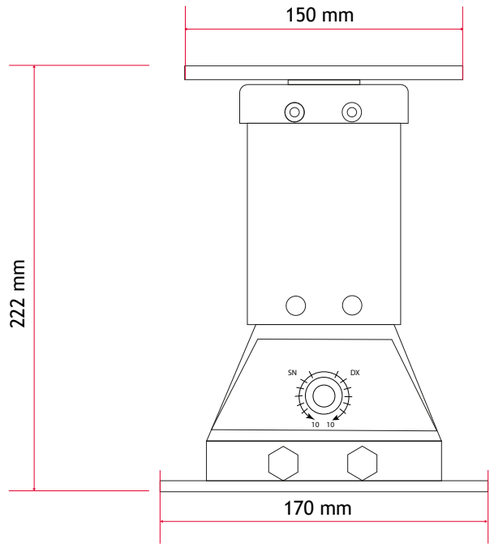
Positioners

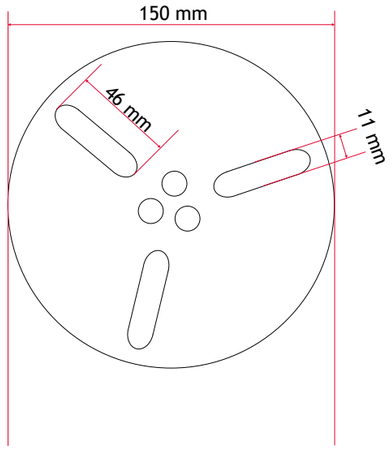
Welding Positioner Mini Mobile

Features

- Load capacity up to 50 kg
- Mobile welding positioner
- Rotation up to DC motor







Model	Mini-Mobile
Supply Voltage (V)	230V / 50Hz
Motor	DC
Welding current	0,8 A
Rotating power	10 Kw
Max. Horizontal load	50 kg
Max. Vertical load	10 kg
RPM	0,56 rpm
Turntable diameter	150 mm
Dimensions (L x W x H)	170 x 170 x 227 mm
Weight	6 kg
Item number	02.30.01.00070

Scope of delivery:
Remote control cable
Foot switch

ECO-S Line Positioners

Welding Positioner ECO-S50

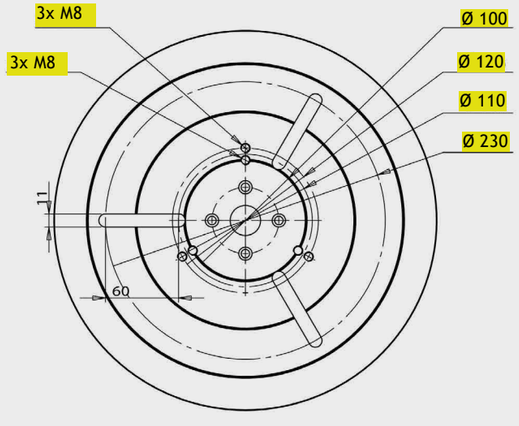
Features

- Tilting range up to 90° manually infinitely adjustable via crank handle
- Foot switch Start/Stop.
- Switch for cw/ccw turning.
- The turntable speed is adjustable from 0,5 to 5 U/min.
- 350A ground connection

Model	ECO-S50
Supply voltage	1PH/230 V – 50/60 Hz DC
Rotation motor	120 W
hollow shaft ø	N/A
Tilting range	0° - 90°
Worktable diameter	315 mm
Rotation speed	0,5 - 0,5 rpm
Torque	45 Nm
Mounting hole circle Ø	110 - 230 mm
Max. horizontal load	50 kg
Max. vertical load	30 kg
Tilting methode	manuall
horizontal height	390 mm
Center height of tilt	290 mm
Weight	35 kg
Item no.	02.30.01.00005



Scope of delivery:
1 control system (integ.)
1 Foot switch



Turntable plate ECO S50

ECO-S Line Positioners

Welding Positioner ECO-S100

Features

- Tilting range up to 90° manually infinitely adjustable via crank handle
- Foot switch Start/Stop.
- Switch for cw/ccw turning.
- The turntable speed is adjustable from 0,5 to 5 U/min.
- 350A ground connection

Scope of delivery:
1 control system (integ.)
1 Foot switch

with 45 mm hollow shaft



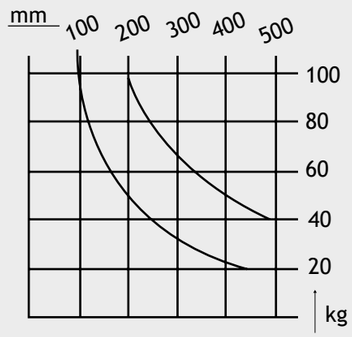
up to 100 kg

Model	ECO-S100
Supply voltage	1PH/230 V – 50/60 Hz DC PCB
Rotation motor	125 W
hollow shaft ø	45 mm
Tilting range	0°- 90°
Worktable diameter	400 mm
Rotation speed	0,5 - 5 rpm
Torque	75 Nm
Mounting hole circle Ø	110 - 313 mm
Max. horizontal load	100 kg
Max. vertical load	50 kg
Tilting methode	manual
horizontal height	505 mm
Center height of tilt	390 mm
Weight	55 kg
Item no.	02.30.01.00010

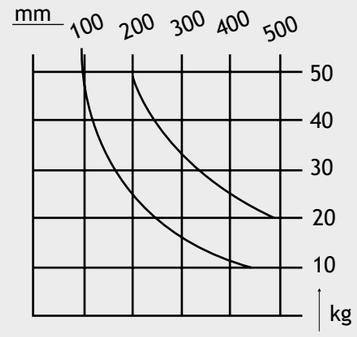
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ECO-S Line Positioners

Welding Positioner ECO-S100



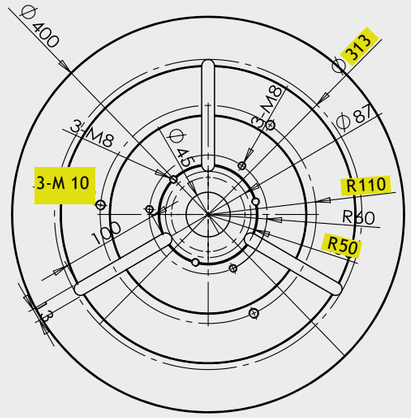
HORIZONTAL POSITION



VERTICAL POSITION

Diagram: ECO S100

When choosing your positioner, please consider:
- the center of gravity of your workpiece
- the weight of your tensioning device(chuck)



Turntable plate ECO S100 and ECO S200

Note

Suitable quick action chuck for ECO-S50
Chuck 200JW and Chuck 300JW
Suitable quick action chuck for ECO-S100
Chuck 200JW, Chuck 300JW and Chuck 400 JW

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Cuck 200 JW
Item no.: 02.20.10.01020
(old: 91919110)



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ECO-S Line Positioners

Welding Positioner ECO-S200

Features

- Tilting range up to 90° manually infinitely adjustable via crank handle
- Foot switch Start/Stop.
- Switch for cw/ccw turning.
- The turntable speed is adjustable from 0,5 to 5 U/min.
- 350A ground connection



up to
200 kg

Model	ECO S200
Supply voltage	1PH/230 V – 50/60 Hz DC PCB
Rotation motor	200 W
hollow shaft ø	45 mm
Tilting range	0° - 90°
Worktable diameter	400 mm
Rotation speed	0,5 - 5 rpm
Torque	100 Nm
Mounting hole circle Ø	110 - 313 mm
Max. horizontal load	200 kg
Max. vertical load	100 kg
Tilting methode	manual
horizontal height	505 mm
Center height of tilt	390 mm
Weight	55 kg
Item no.	02.30.01.00055

Scope of delivery:
1 control system (integ.)
1 Foot switch

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ECO-S Line Positioners

Welding Positioner ECO-S200

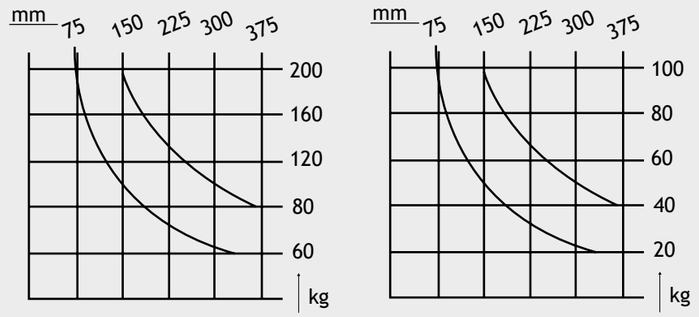
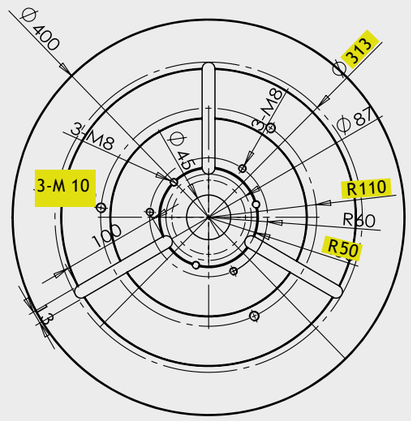
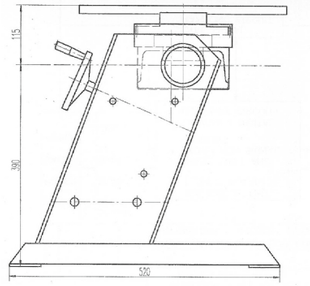


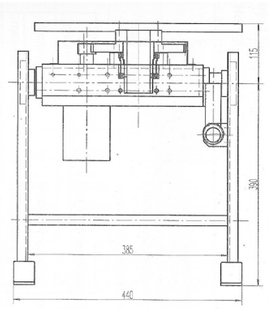
Diagram: ECO S200

When choosing your positioner, please consider:
- the center of gravity of your workpiece
- the weight of your tensioning device(chuck)



Turntable plate ECO S100 and ECO S200





Note

Suitable quick action chuck for ECO-S200
Chuck 200JW, Chuck 300JW and Chuck 400 JW

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Cuck 300 JW
Item no.: 02.20.10.01030



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ECO-S Line Positioners

Welding Positioner Eco-S300

Features

- Tilting range up to 90° manually infinitely adjustable via crank handle
- Foot switch Start/Stop.
- Switch for cw/ccw turning.
- Rotationtime adjustable.
- The turntable speed is adjustable from 0,2 to 2,5 U/min.
- Controlling of the welding machine by integ. control system
- 350A ground connection

up to 300 kg

with 90 mm hollow shaft



Model	ECO S300
Supply voltage	1PH/230 V – 50/60 Hz DC PCB
Rotation motor	200 W
hollow shaft ø	90 mm
Tilting range	0°- 90°
Worktable diameter	500 mm
Rotation speed	0,2 - 2,5 rpm
Torque	200 Nm
Mounting hole circle Ø	110 - 413 mm
Max. horizontal load	300 kg
Max. vertical load	100 kg
Tilting methode	manual
horizontal height	650 mm
Center height of tilt	445 mm
Weight	90 kg
Item no.	02.30.01.00065

Scope of delivery:
1 control system (integ.)
1 Foot switch

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ECO-S Line Positioners

Welding Positioner ECO-S300

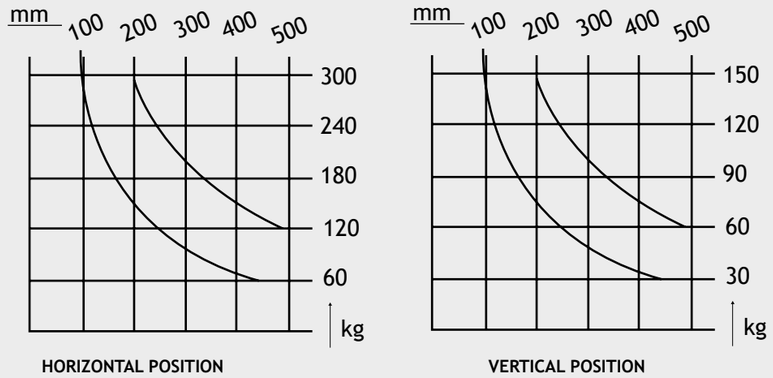
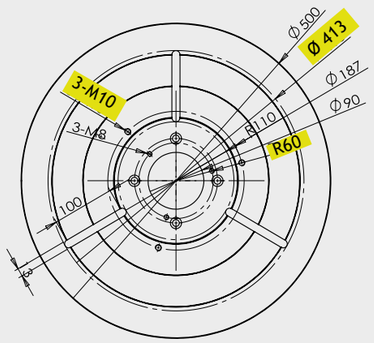


Diagram: ECO S300

When choosing your positioner, please consider:
· the center of gravity of your workpiece
· the weight of your tensioning device(chuck)



Turntable plate ECO S300

Note

Suitable quick action chuck for ECO-S300
Chuck 200JW, Chuck 300JW and Chuck 400 JW

Page: 128

Cuck 400 JW
Item no.: 02.20.10.01040
(old:919191116)



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PRO-Line Positioners

Welding Positioner PRO 08

Features

- The turntable PRO 08 has a precise drive unit with faceplate that is mounted on a stable floor stand.
- Workpieces can be positioned over a pivoting range of 0° – 90°.
- The rotary motion occurs via a direct current gearmotor with worm gear and is infinitely adjustable.
- Table diameter: 300 mm. The surface is chrome-plated as a protection against weld spatters.
- The control panel is easy to understand and operate.
- Start/stop via location-independent foot switch.
- Adjustment of turning speed and rotating direction directly via the machine.
- HF-protected.



Scope of delivery:
1 Control (integrated)
1 Foot switch

Model	PRO 08
Supply voltage	AC 230 V/50 Hz
Ground connection	300 A/100 %
Tilting range	0° – 90°
Table diameter	300 mm
Hollow shaft	no
Mounting hole circle Ø	100mm up to max. 264 mm
Slot width turntable	14 mm
Speed	0,7 – 7 rpm
Torque	8,8 Nm
Rotating directions	cw/ccw
Max. load A	80 kg
Measurements (L x W x H) mm	450 x 330 x 360
Weight	36 kg
Item no.	02.30.01.10010





Note

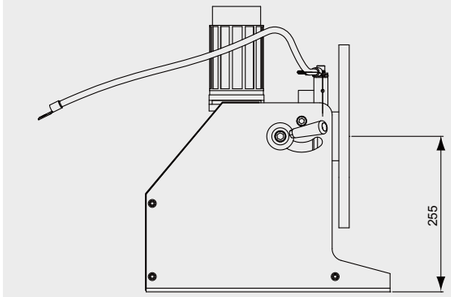
suitable for Three-jaw Chuck 160D and Chuck 200D.

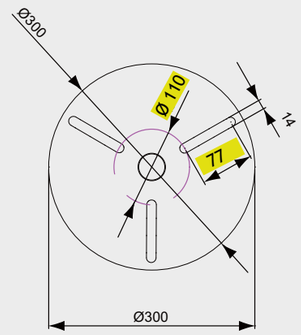


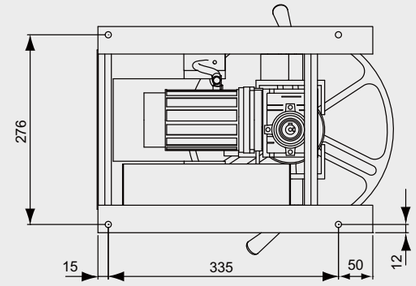
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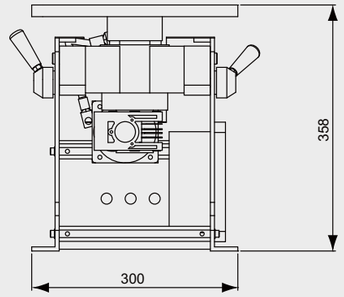
PRO-Line Positioners

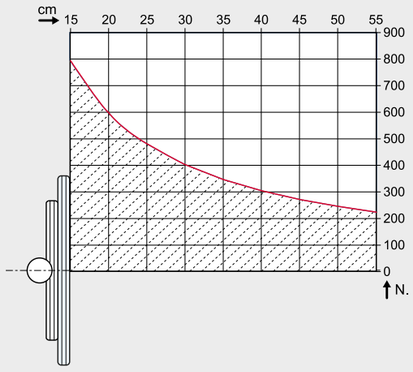
Welding Positioner PRO 08

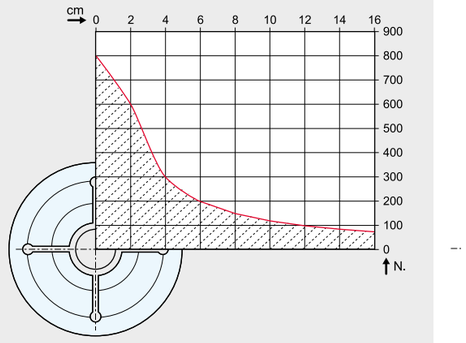












When choosing your positioner, please consider
· the center of gravity of your workpiece
· the weight of your tensioning device (chuck)

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PRO-Line Positioners

Welding Positioner PRO 1

With 20 mm hollow shaft

Features

- The turntable PRO 1 has a precise drive unit with face-plate that is mounted on a stable floor stand.
- The tilting bracket offers the possibility to put the work-piece via a tilting range of 0° – 90 °into the required welding position.
- The rotary motion occurs via a direct current gearmotor with worm gear and is infinitely adjustable.
- Table diameter: 300 mm. The surface is chrome-plated as a protection against weld spatters.
- The control panel is easy to understand and operate.
- Start/stop via location-independent foot switch.
- Adjustment of turning speed and rotating direction directly via the machine.
- HF-protected.



Scope of delivery:
1 Control system (integrated)
1 Foot switch

Model	PRO 1
Supply voltage	AC 230 V/50 Hz
Ground connection	300 A/100 %
Tilting range	0° – 90°
Table diameter	300 mm
Hollow shaft	20 mm
Mounting hole circle Ø	110mm to max. 264 mm
Slot width turntable	14 mm
Speed	A: 0,2 – 2 rpm B: 1,2 – 12 rpm
Torque	A: 24,5 Nm B: 4,4 Nm
Rotating directions	cw/ccw
Max. load A	100 kg
Measurem. (L x W x H) mm	480 x 325 x 470
Weight	50 kg
Item no.	02.30.01.10020





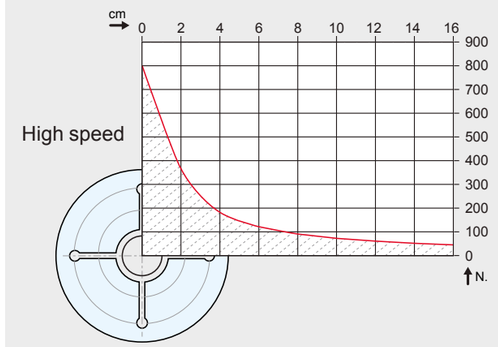
Note

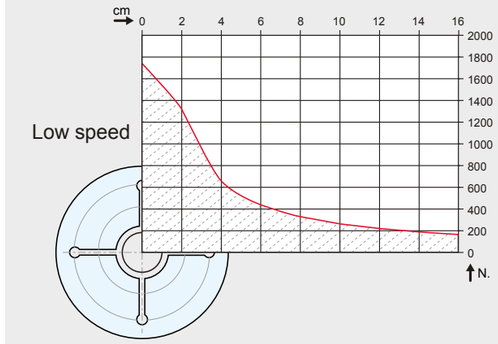
suitable for Three-jaw Chuck 160D, Chuck 200D and Chuck 300 JW

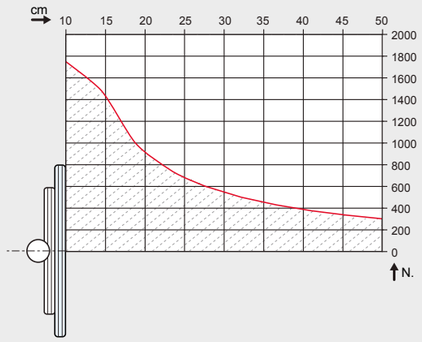
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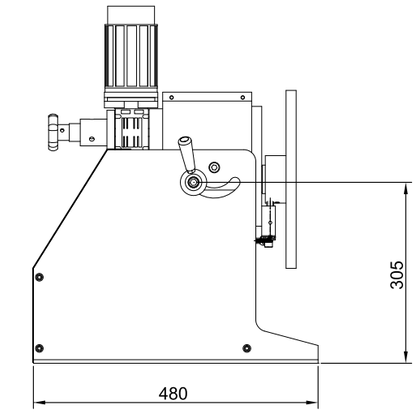
PRO-Line Positioners

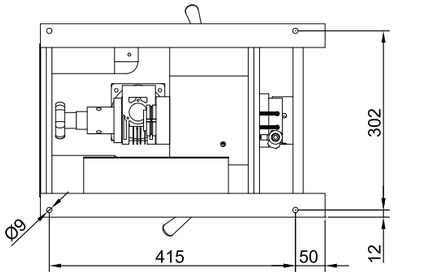
Welding Positioner PRO 1

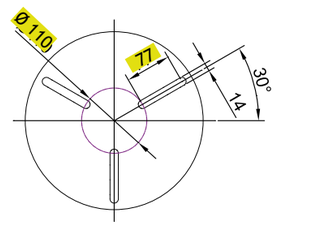


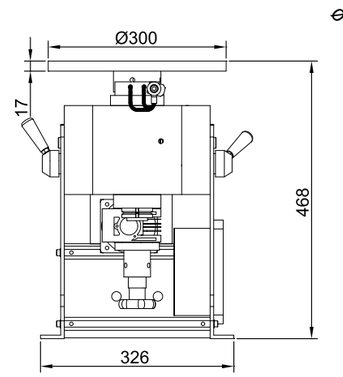










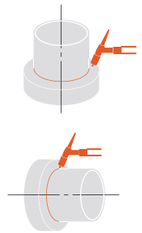


When choosing your positioner, please consider
· the center of gravity of your workpiece
· the weight of your tensioning device (chuck)

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Light Automation

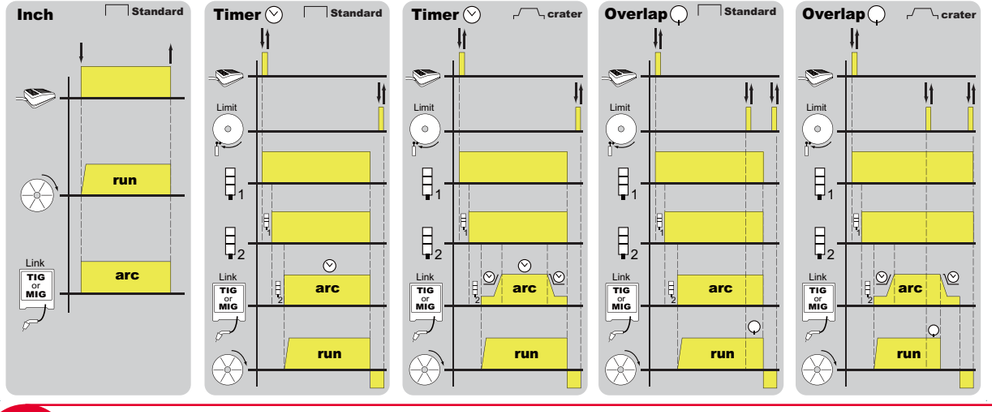
Circumferential Seam Welding Device PRO2/28-ST60





Model	PRO2/28-ST60	PRO4/28-ST60
Supply voltage	AC 230V/50Hz/3A DC 90V/150W	AC 230V/50Hz/ DC 90V/150W
Hollow shaft	60 mm	120 mm
Table diameter	340 mm	400 mm
Tilt angle	0° – 90°	
Welding current	300A/ 100%	
Rotating speed	0,6 – 6 rpm	0,2 - 2,0 rpm
Load capacity	200 kg	400 kg
Torque	6,4 Nm	19,6 Nm
Rotating direction	left/right	
Overlap timer (fixation point)	0 – 99,9 sec	
Timer (fixation point)	0 – 999 sec	
Time control (fixation point)	0 – 99,9 sec	
Start/crater filling	0 – 99,9 sec	
Brake	magnetic	
HF-protection	92%	
Start	Foot switch (2M)	
Weight	87 kg	133 kg
Item no.	02.32.01.10010 (old:71801166.010)	02.32.01.10060

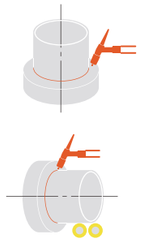
1	TE-C	2-axis-clamp holder (PVC) for MIG/TIG torch
2	TE-CAL50	Linear slide (50 mm); connection 50 mm
3	TE-XYR	2-axis-gear rack with handwheel (100 mm); X/Y-range 100mm
4	TE-L75	Support (75 mm);stroke 75 mm
5	PL-T	Base frame; mounting for TE-XYR or TE-L
6	PL-600	Alumi base; max. length workpiece: 600 mm
7	Control	COM 2800, COM 3800 and SPS (separate)
8	PRO 2	Welding positioner; max. load 160kg
9	FS-1	Foot switch



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Light Automation

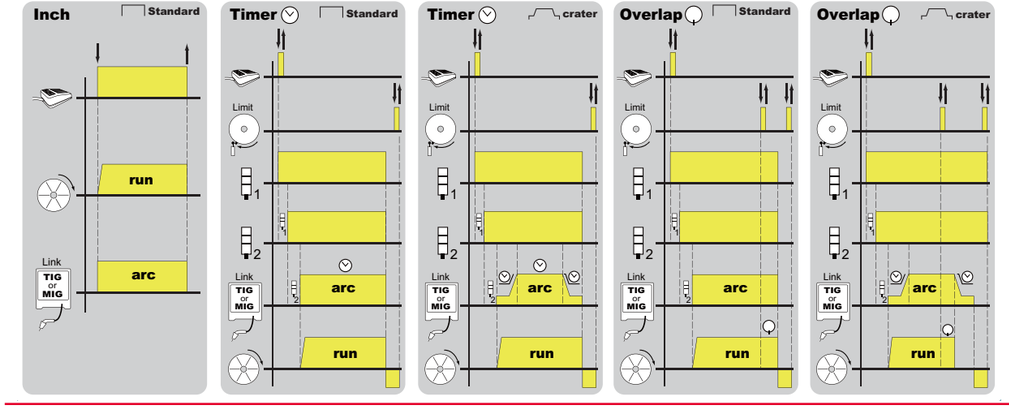
Circumferential Seam Welding Device PRO2/28-SR60





Model	PRO2/28-SR60	PRO4/28-SR60
Supply voltage	AC 230V/50Hz/3A DC 90V/150W	AC 230V/50Hz/ DC 90V/150W
Hollow shaft	60 mm	120 mm
Table diameter	340 mm	400 mm
Tilt angle	0° – 90°	
Welding current	300A/ 100%	
Rotating speed	0,6 – 6 rpm	0,2 - 2,0 rpm
Load capacity	200 kg	400 kg
Torque	6,4 Nm	19,6 Nm
Rotating direction	left/right	
Overlap timer (fixation point)	0 – 99,9 sec	
Timer (fixation point)	0 – 999 sec	
Time control (fixation point)	0 – 99,9 sec	
Start/crater filling	0 – 99,9 sec	
Arc type	Standard/Crater	
Brake	magnetic	
HF-protection	100%	
Start	Foot switch (2M)	
Weight	91 kg	137 kg
Item no.	02.32.01.10020 (old:71801166.040)	

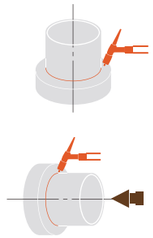
1	TE-C	2-axis-clamp holder (PVC) for MIG/TIG torch
2	TE-CAL50	Linear slide (50 mm); connection 50 mm
3	TE-XYR	2-axis-gear rack with handwheel (100 mm); X/Y-range 100mm
4	TE-L75	Support (75 mm);stroke 75 mm
5	PL-R	support for 25 - 280 mm diameterTE-L
6	PL-T	Base frame; mounting for TE-XYR or TE-L
7	PL-600	Alum. base; max. length workpiece: 600 mm
8	Control	COM 2800, COM 3800 and SPS (separate)
9	PRO 2	Welding positioner; max. load 160kg
	optional	Foot switch

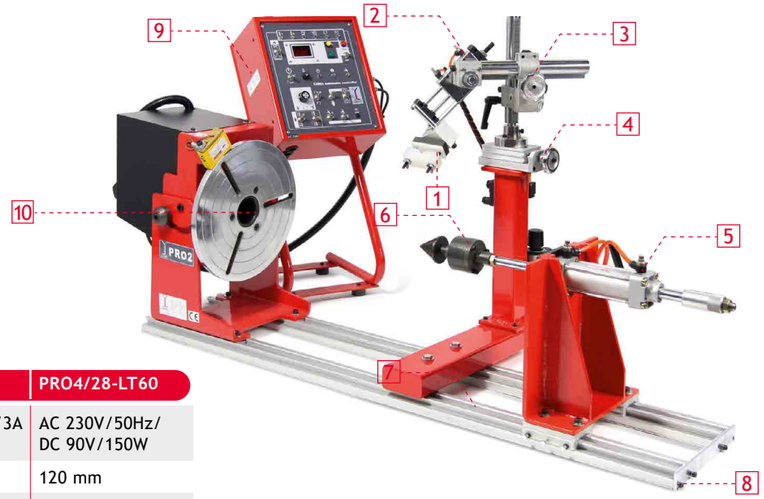


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Light Automation

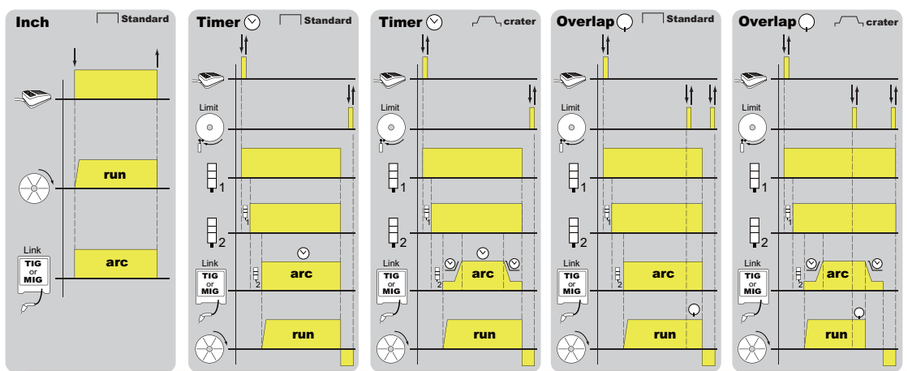
Circumferential Seam Welding Device PRO2/28-LT60





Model	PRO2/28-LT60	PRO4/28-LT60
Supply voltage	AC 230V/50Hz/3A DC 90V/150W	AC 230V/50Hz/ DC 90V/150W
Hollow shaft	60 mm	120 mm
Table diameter	340 mm	400 mm
Tilt angle	0° – 90°	
Welding current	300A/ 100%	
Rotating speed	0,6 – 6 rpm	0,2 - 2,0 rpm
Load	200 kg	400 kg
Torque	6,4 Nm	19,6 Nm
Rotating direction	left/right	
Overlap timer (fixation point)	0 – 99,9 sec	
Timer (fixation point)	0 – 999 sec	
Time control (fixation point)	0 – 99,9 sec	
Start/crater filling	0 – 99,9 sec	
Arc type	Standard/Crater	
Brake	magnetic	
HF-protection	100%	
Start	Foot switch (2M)	
Weight	105 kg	151 kg
Item no.	02.32.01.10030 (old: 71801166)	02.32.01.10080

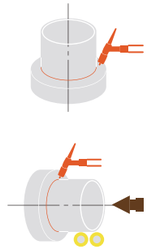
1	TE-C	2-axis-clamp holder (PVC) for MIG/TIG torch
2	TE-CAL50	Linear slide (50 mm); connection 50 mm
3	TE-XYR	2-axis-gear rack with handwheel (100 mm); X/Y-range 100mm
4	TE-L75	Support (75 mm);stroke 75 mm
5	PL-CL100	Pneumatic tailstock; connection 100 mm
6	PRO1A-56	Rotating centering cone Drm.: 56 mmTE-L
7	PL-T	Base frame; mounting for TE-XYR or TE-L
8	PL-600	Alum. base; max. length workpiece: 600
9	Control	COM 2800, COM 3800 and SPS (separate)
10	PRO 2	Welding positioner; max. load 160kg
		Foot switch

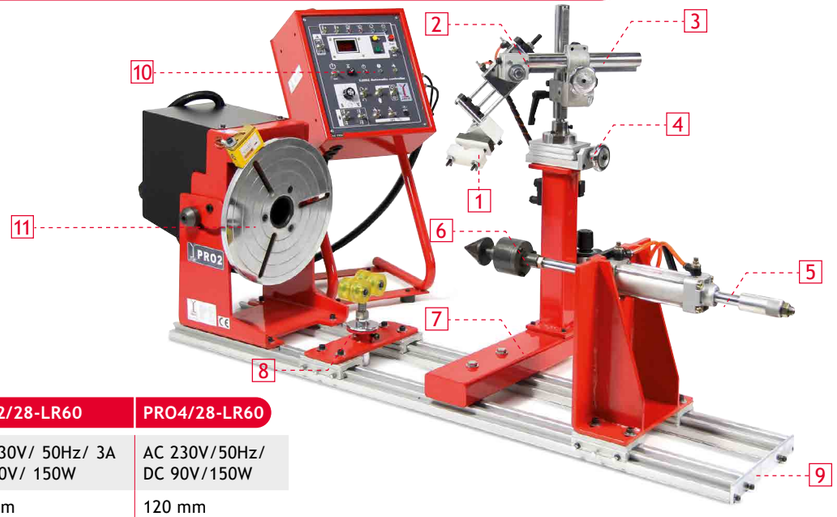


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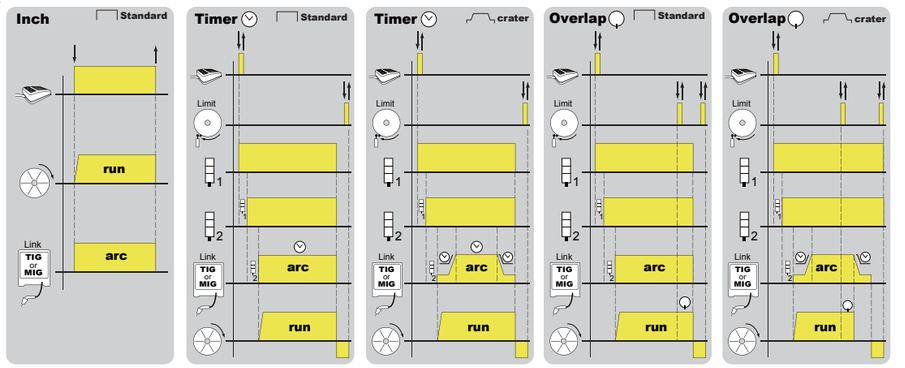
Circumferential Seam Welding Device PRO2/28-LR60





Model	PRO2/28-LR60	PRO4/28-LR60
Supply voltage	AC 230V/ 50Hz/ 3A DC 90V/ 150W	AC 230V/50Hz/ DC 90V/150W
Hollow shaft	60 mm	120 mm
Table diameter	340 mm	400 mm
Tilt angle	0° – 90°	
Welding current	300A/ 100%	
Rotating speed	0,6 – 6 rpm	0,2 - 2,0 rpm
Load	200 kg	400 kg
Torque	6,4 Nm	19,6 Nm
Rotating direction	left/right	
Overlap timer (fixation point)	0 – 99,9 sec	
Timer (fixation point)	0 – 999 sec	
Time control (fixation point)	0 – 99,9 sec	
Start/crater filling	0 – 99,9 sec	
Arc type	Standard/Crater	
Brake	magnetic	
HF-protection	100%	
Start	Foot switch (2M)	
Weight	109 kg	155 kg
Item no.	02.32.01.10040 (old: 71801166.030)	02.32.01.10090

1	TE-C	2-axis-clamp holder (PVC) for MIG/TIG torch
2	TE-CAL50	Linear slide (50 mm); connection 50 mm
3	TE-XYR	2-axis-gear rack with handwheel (100 mm); X/Y-range 100mm
4	TE-L75	Support (75 mm);stroke 75 mm
5	PL-CL100	Pneumatic tailstock; connection 100 mm
6	PRO1A-56	Moving centring cone dia.: 56 mmTE-L
7	PL-T	Base frame; mounting for TE-XYR or TE-L
8	PL-R	Support for 25 - 280 mm diameter
9	PL-600	Alum. base; max. length workpiece: 600mm
10	Control	COM 2800, COM 3800 and SPS (separate)
11	PRO 2	Welding positioner; max. load 160kg
		Foot switch



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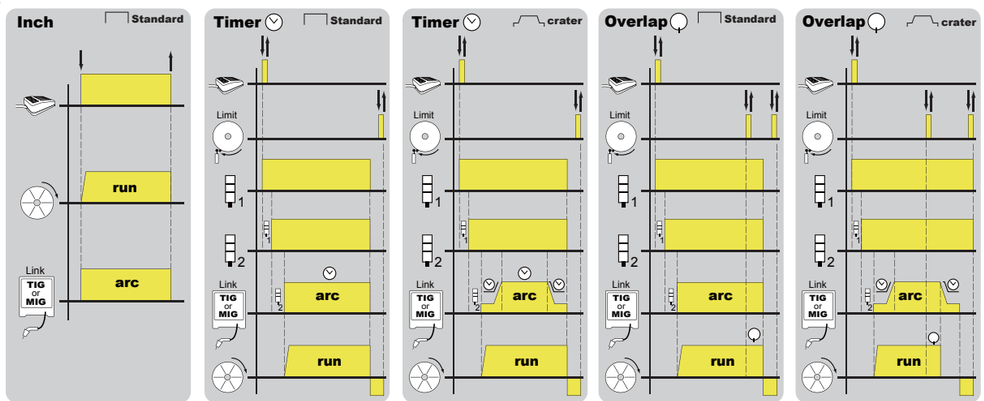
Light Automation

Circumferential Seam Welding Device PRO2/28-VSTH20

Model	PRO2/28-VSTH20 PRO2/28-VSTH60	PRO4/28-VSTH20 PRO4/28-VSTH60
Netzspannung	AC 230V/50Hz/6A DC 90V/150W	AC 230V/50Hz/8A DC 90V/150W
Hollow shaft	60 mm	120 mm
Table diameter	340 mm	400 mm
Tilt angle	0° – 90°	
Welding current	300A/ 100%	
Rotating speed	0,6 – 6 rpm	0,2 - 2,0 rpm
Load	200 kg	400 kg
Torque	6,4 Nm	19,6 Nm
Workpiece diameter	400 mm	460 mm
Workpiece length	200 mm	200 mm
Rotating direction	left/right	
Overlap timer (fixation point)	0 – 99,9 sec	
Timer (fixationpoint)	0 – 999 sec	
Time control (fixation point)	0 – 99,9 sec	
Start/crater filling	0 – 99,9 sec	
Arc type	Standard/Crater	
Brake	magnetic	
HF-protection	100%	
Start	Foot switch (2M)	
Weight	106 kg	152 kg
Item no. PRO 2/28-VSTH20 PRO 4/28-VSTH20	02.32.01.10050 (old: 71801166.020)	02.32.01.10100
Item no. PRO 2/28-VSTH60 PRO 4/28-VSTH60	02.32.01.10052	



1	TE-C	2-axis-clamp holder (PVC) for MIG/TIG torch
2	TE-CAL50	Linear slide (50 mm); connection 50 mm
3	TE-XYR	2-axis-gear rack with handwheel (100 mm); X/Y-range 100mm
4	TE-L75	Support (75 mm);stroke 75 mm
5	PL-T	Base frame; mounting for TE-XYR or TE-L
6	VPOS1-H20	Turntable (200 mm); max. Workpiece length:350 mm
7	Control	COM 2800, COM 3800 and SPS (separate)
9	FS-1	Foot switch



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Light Automation

Spare parts list

TE-CAL50	Linear slide (50 mm) Connection: 50 mm
TE-CAL75	Linear slide (75 mm) Connection: 75 mm
TE-CAL100	Linear slide (100 mm) Connection: 100 mm
TE-C	2-axis-clamp holder (PVC) for MIG-/TIG torch
TE-C1	2-axis-clamp holder (Bakelite) for TIG SR-18 & 26

TE-CAWL75
Pneumatic
Torch height sensor

	2-axisgear rack with handwheel (100 mm)
TE-XYR see Page 121	X-Range: 100 mm Y-Range: 100 mm X-Range: 300 mm Y-Range: 300 mm

CL100

COM Turntable control series
(here COM2800)

Pro 2/3 Turntable

TE-L75 Item no. 02.32.01.18010	Support (75 mm) Stroke: 75 mm
TE-L100 Item no. 02.32.01.18011	Support (100 mm) Stroke: 100 mm
TE-L150 Item no. 02.32.01.18012	Support (150 mm) Stroke: 150 mm
TE-L200 Item no. 02.32.01.18122	Support (200 mm) Stroke: 200 mm
AM1 Item no. 02.32.01.18400	5/2-Way com- pressed air valve
AA1 Item no. 02.32.01.18420	5/2 magnet valve single
AA2 Item no. 02.32.01.18430	5/2 magnet valve double

PL-R	Support block for 25 – 280 mm

PL-CL100 Item no. 02.32.01.18220	Pneumatic-tailstock Connection:: 100 mm
PL-CL100H Item no. 02.32.01.18222 for PRO 3 / PRO 4	Pneumatic-tailstock Connection: 100 mm

PL-300 L	Aluminium base frame (with dovetail guide) Max. workpiece length: 300 mm Total length of rail: 1.040 mm (with: LR-Series)
PL-600 L	Aluminium base frame (with dovetail guide) Max. workpiece length: 600 mm Total length of rail: 1.340 mm (with: LR-Series)
PL-1000 L	Aluminium base frame (with dovetail guide) Max. workpiece length: 1.000 mm Total length of rail: 1.740 (with: LR-Series)
PL-1500 L	Aluminium base frame (with dovetail guide) Max. workpiece length: 1.500 mm Total length of rail: 2.240 mm (with: LR-Series)
PL-2000 L	Aluminium base frame (with dovetail guide) Max. workpiece length: 2.000 mm Total length of rail: 2.740 mm (with: LR-Series)
PL-2500 L	Aluminium base frame (with dovetail guide) Max. workpiece length: 2.500 mm Total length of rail: 2.830 mm (with: LR-Serie)

PL-T	Base frame mounting of: TE-XYR or TE-L
FS-1	Footswitch Start/Stop
SPS	SPS Multifunctional control

Controller see page 97

PRO1A-26	Constant centring taper Drm.: 5-26 mm
PRO1A-56	Constant centring taper Drm.: 8-56 mm
PRO1A-106	Constant centring taper Drm.: 53-106 mm

Also available with PC control

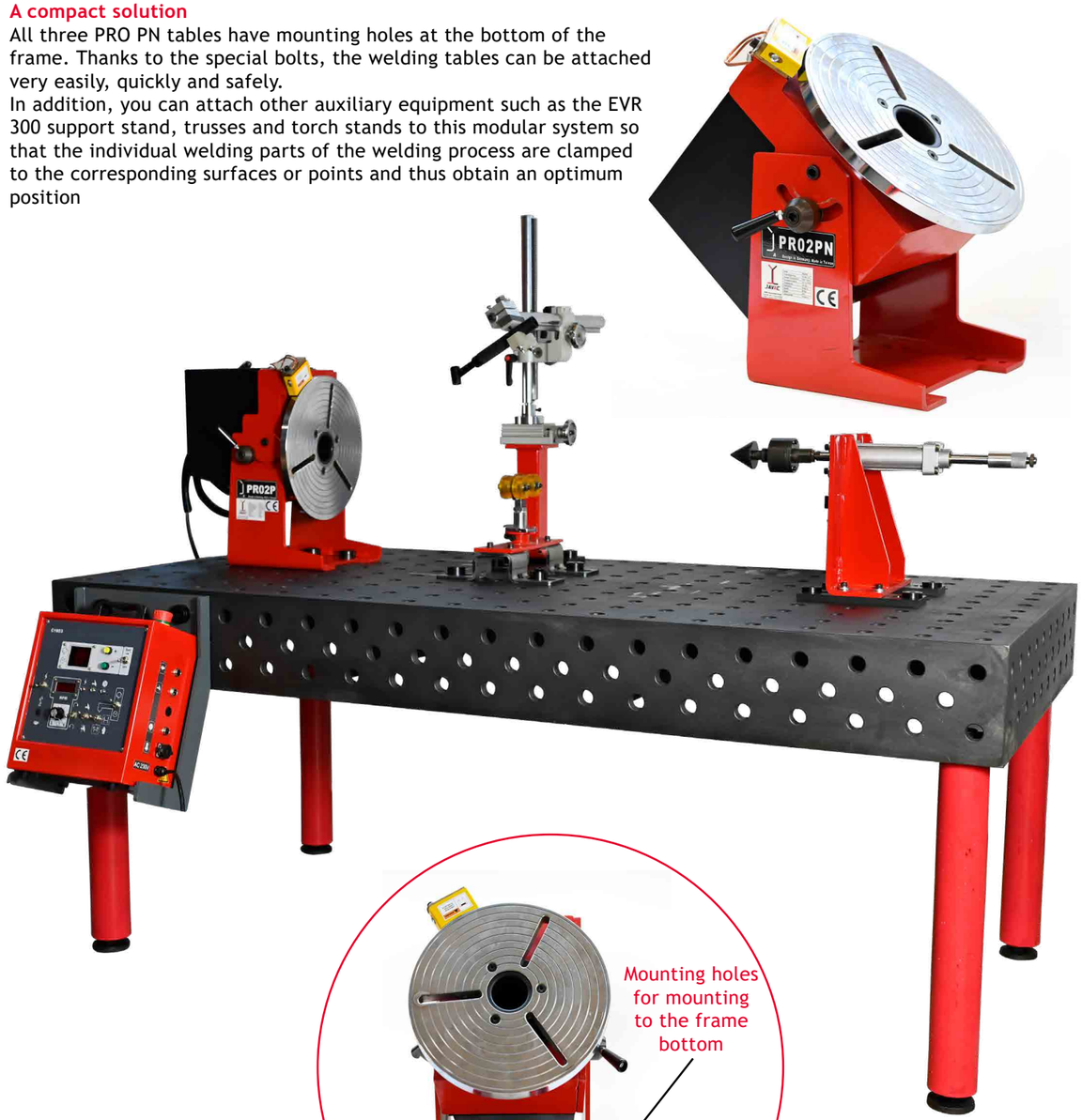
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Modular for 3D Positioner Systems

Welding Positioner PRO 2 PN / PRO 3 PN / PRO 4 PN

A compact solution

All three PRO PN tables have mounting holes at the bottom of the frame. Thanks to the special bolts, the welding tables can be attached very easily, quickly and safely.
In addition, you can attach other auxiliary equipment such as the EVR 300 support stand, trusses and torch stands to this modular system so that the individual welding parts of the welding process are clamped to the corresponding surfaces or points and thus obtain an optimum position





Modular for 3D Positioner Systems

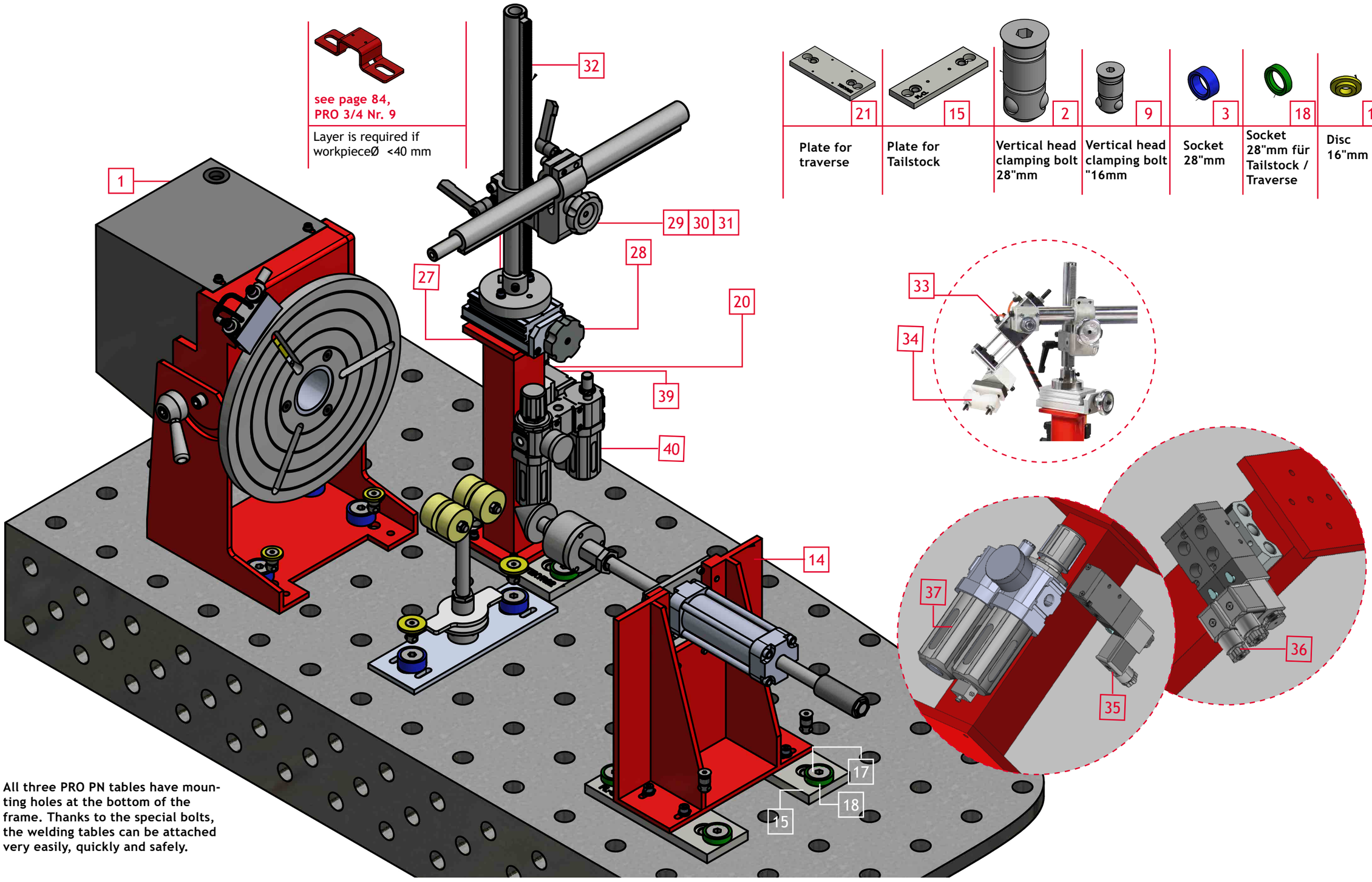
Welding Positioner PRO 2 PN

POS	Qty	Item 3D System 28 mm	Item no.	POS	Qty	Item 3D System 16 mm	Item no.
		Welding Positioner					
1	1	Pro 2 PN	02.30.01.10112				
2	4	Countersunk clamping bolt 28x50 mm	02.32.02.00010	4	4	Countersunk clamping bolt 16 x 24	02.32.02.00014
3	4	Distance Socket 28mm	02.32.02.00050	5	4	Distance disc 16 mm	02.32.02.00054
		Support block PL-R					
6	1	Support block PL-R D 25 -280 mm	02.32.01.18210				
7	2	Countersunk clamping bolt 28x50 mm	02.32.02.00010	9	2	Countersunk clamping bolt 16 x 24	02.32.02.00014
8	2	Distance Socket 28mm	02.32.02.00050	10	2	Distance Disc 16 mm	02.32.02.00054
		Pneumatic Tailstock					
11	4	Cylinder screw DIN912 M8x25	02.52.912.M8x25				
12	4	Spring washer DIN 127 8	02.52.127.000M8				
13	4	Disc DIN 125 M8	02.52.125.000M8				
14	1	Tailstock PL CL 100	02.32.01.18220				
15	2	Mounting plate for tailstock	02.32.02.00060				
16	1	Traveling centering cone A26 D. 5 - 26 mm	02.32.01.18240				
16	1	Traveling centering cone A 56 D 8 - 56 mm	02.32.01.18250				
16	1	Traveling centering cone A 106 D 53 - 106 mm	02.32.01.18260				
16	1	Traveling centering cone A 152 D 80 - 152 mm	02.32.0118270				
17	2	Countersunk clamping bolt 28x50 mm	02.32.02.00010	19	2	Vertical head clamping bolt 16 x 24	02.32.02.00014
18	2	Distance Socket 28mm	02.32.02.00066				
		Torch - Taverse					
20	1	Traverse TE R02	02.32.01.18202				
21	1	Mounting plate for Traverse	02.32.02.00064				
22	4	DIN 912 Cylinder head screw M6x20	02.52.912.M6x20				
23	4	DIN 127 Spring washer 6	02.52.127.000M6				
24	4	DIN 125 Disc M6	02.52.125.000M6				
25	2	Countersunk clamping bolt 28x50 mm	02.32.02.00010				
26	2	Distance Socket 28mm for Travrse / Tailstock	02.32.02.00066				
		Supporte					
27	2	Cylinder screw DIN912 M6x20	02.52.912.M6x20				
28		Support TE L 75 mm	02.32.01.18010	31			
28		Support TE L 100 mm	02.32.01.18011	31	1	Support TE L 100 mm	02.32.01.18011
28	1	Support TE L 150 mm	02.32.01.18012	31			
		Mounting of the TE XYR Torch Stand TE XYR					
29	2	Cylinder screw DIN912 M6x30	02.52.912.M6x30				
30	2	Spring washer DIN 127 6	02.52.127.000M6				
31	2	Disc DIN 125 M6	02.52.125.000M6				
		Stands					
32	1	TE XYR 10	02.20.14.10010				
32	1	TE XYR 20	02.20.14.10020				
32	1	TE XYR 30	02.20.14.10034				
		pneumatic Linear slide					
33	1	TE-CAL 50 mm	02.32.01.18000				
33	1	TE-CAL 100 mm	02.32.01.18004				
33	1	TE-CAL 150 mm	02.32.01.18005				
		2 Axis-clamp holder TE-C					
34	1	TE-C	02.32.01.18006				
		Pneumatic magnet valve					
35	1	AA1 5/2 for single pneumatic cylinder	02.32.01.18420				
36	1	AA2 5/2 for double Pneumatic cylinder	02.32.01.18430				
37	1	Maintenance unit	02.32.01.18500				
		Support Block					
see page	2	Suppressor EVR 300	02.32.02.18250				
134	2	Countersunk clamping bolt 28x50 mm	02.32.02.00010		2	Countersunk clamping bolt 16 x 24	02.32.02.00014
		Torch-Stand					
see page	1	Suppressor BS	02.32.02.18252				
145	2	Countersunk clamping bolt 28x50 mm	02.32.02.00010		2	Countersunk clamping bolt 16 x 24	02.32.02.00014

Welding Positioner PRO 2 PN

see page 84, PRO 3/4 Nr. 9

Layer is required if workpieceØ <40 mm



All three PRO PN tables have mounting holes at the bottom of the frame. Thanks to the special bolts, the welding tables can be attached very easily, quickly and safely.

Modular for 3D Positioner Systems

Welding Positioner PRO 2 PN

21 **Plate for traverse**

15 **Plate for Tailstock**

2 **Vertical head clamping bolt 28"mm**

9 **Vertical head clamping bolt "16mm**

3 **Socket 28"mm**

18 **Socket 28"mm für Tailstock / Traverse**

10 **Disc 16"mm**



5 **Disc 16"mm**

Modular for 3D Positioner Systems

Welding Positioner PRO 3 PN and PRO 4 PN

POS	Qty	Item 3D System 28 mm	Item no.	POS	Qty	Item 3D System 16 mm	Item no.
		Welding Positioner					
1	1	Pro 3 PN	02.30.01.10132				
1	1	Pro 4 PN	02.30.01.10142				
2	4	Countersunk clamping bolt 28*x50 mm	02.32.02.00010	4	4	Countersunk clamping bolt 16 x 24	02.32.02.00014
3	4	Distance Socket PRO 3/4 28mm	02.32.02.00051				
		Support block PL-R					
5	1	Support block PL-R D 25 -280 mm	02.32.01.18210				
6	4	Cylinder screw DIN912 M8x25 - 4 Stk. *	02.52.912.M8x25				
7	4	Spring washer DIN 127 8 - 4 Stk. *	02.52.127.000M8				
8	4	Disc DIN 125 M8 - 4 Stk. *	02.52.125.000M8				
9	2	Layer (is required if workpieceØ <120 mm)	02.32.02.00068				
10	4	Countersunk clamping bolt 28x50 mm	02.32.02.00010	12	4	Countersunk clamping bolt 16 x 24	02.32.02.00014
11	4	Distance Socket 28mm	02.32.02.00066	13	4	Distance Disc 16 mm	02.32.02.00056
		pneumatic Tailstock					
14	4	Cylinder screw DIN912 M8x25	02.52.912.M8x25				
15	4	Spring washer DIN 127 8	02.52.127.000M8				
16	4	Disc DIN 125 M8	02.52.125.000M8				
17	1	Tailstock PL CL 100H	02.32.01.18222				
17	1	Tailstock PL CL 150H	02.32.01.18232				
18	2	Mounting plate for tailstock Pro 3/4	02.32.02.00060				
19	1	Traveling centering cone A26 D. 5 - 26 mm	02.32.01.18240				
19	1	Traveling centering conel A 56 D 8 - 56 mm	02.32.01.18250				
19	1	Traveling centering cone A 106 D 53 - 106 mm	02.32.01.18260				
19	1	Traveling centering cone A 152 D 80 - 152 mm	02.32.0118270				
20	2	Countersunk clamping bolt 28*x50 mm	02.32.02.00010	22	4	Countersunk clamping bolt 16 x 24	02.32.02.00014
21	2	Distance Socket 28 mm	02.32.02.00066				

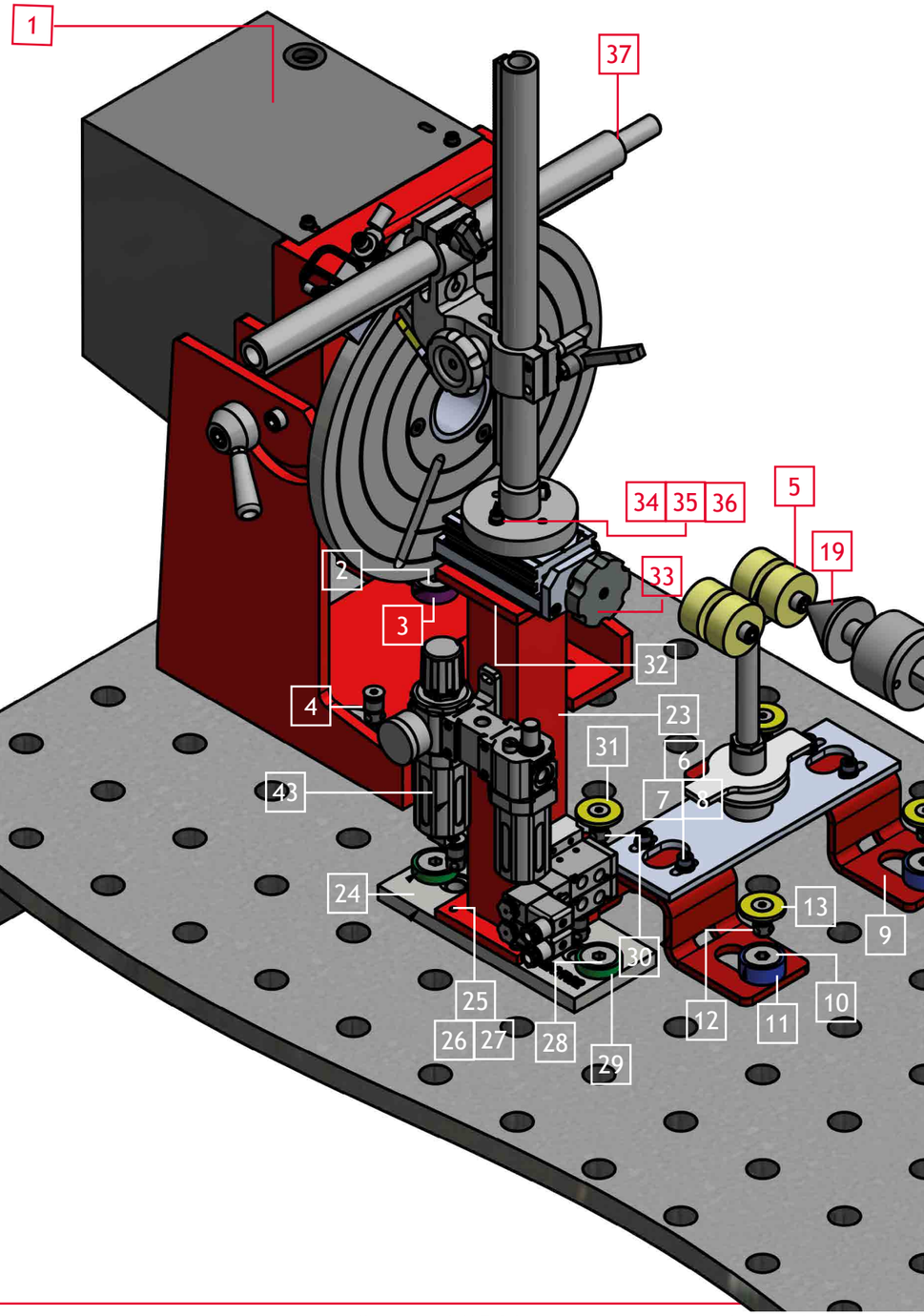
Modular for 3D Positioner Systems

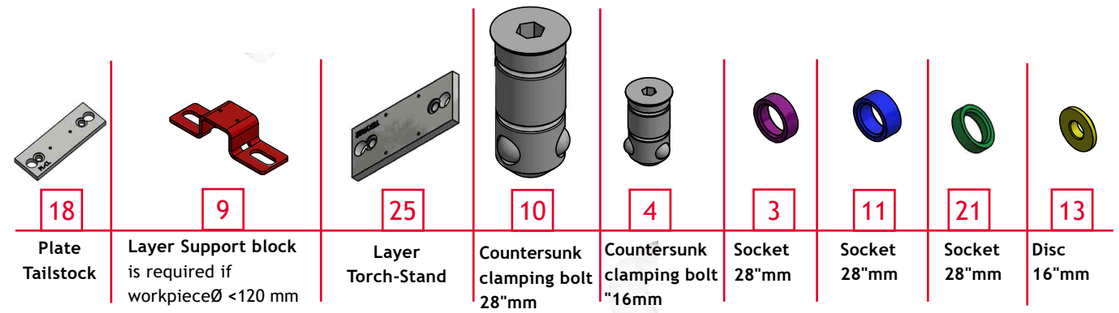
Welding Positioner PRO 3 PN and PRO 4 PN

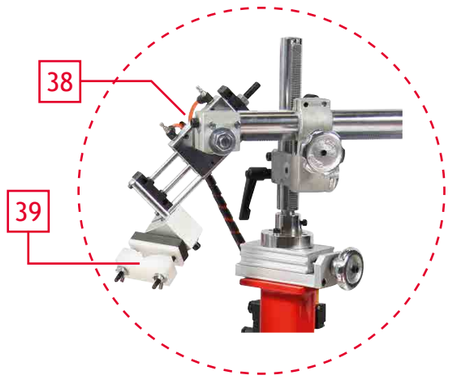
POS	Qty	Item 3D System 28 mm	Item no.	POS	Qty	Item 3D System 16 mm	Item no.
		Torch - Taverse					
23	1	Traverse TE R02	02.32.01.18202				
24	1	Mounting plate for Traverse	02.32.02.00064				
25	4	DIN 912 Cylinder screw M6x20	02.52.912.M6x20				
26	4	DIN 127 Spring washer 6	02.52.127.000M6				
27	4	DIN 125 Disc M6	02.52.125.000M6				
28	2	Countersunk clamping bolt 28x50 mm	02.32.02.00010	30	2	Countersunk clamping bolt 16x 24	02.32.02.00014
29	2	Distance Socket 28 mm	02.32.02.00066	31	2	Distance Disc 28/16mm	02.32.02.00056
		Supporte					
32	2	Cylinder screw DIN912 M6x20	02.52.912.M6x20				
33		Support TE L 75 mm	02.32.01.18010				
33	see page 84	Support TE L 100 mm	02.32.01.18011	33	1	Support TE L 100 mm	02.32.01.18011
33		Support TE L 150 mm	02.32.01.18012		1		
33		Support TE L 200 mm	02.32.01.18122				
		Mounting of the TE XYR Torch Stand TE XYR					
34	2	Cylinder screw DIN912 M6x30	02.52.912.M6x30				
35	2	Spring washer DIN 127 6	02.52.127.000M6				
36	2	Disc DIN 125 M6	02.52.125.000M6				
		Stand					
37	1	TE XYR 10	02.20.14.10010				
37	1	TE XYR 20	02.20.14.10020				
37	1	TE XYR 30	02.20.14.10034				
		pneumatic Linear slide					
38	1	TE-CAL 50 mm	02.32.01.18000				
38	1	TE CAL 100 mm	02.32.01.18004				
38	1	TE CAL 150 mm	02.32.01.18005				
		2 Axis-clamp holder TE-C					
39	1	TE-C	02.32.01.18006				
		Pneumatic magnet valve					
40	1	AA1 5/2 for single pneumatic cylinder	02.32.01.18420				
41	1	AA2 5/2 for double Pneumatic cylinder	02.32.01.18430				
42	1	Maintenance unit	02.32.01.18500				

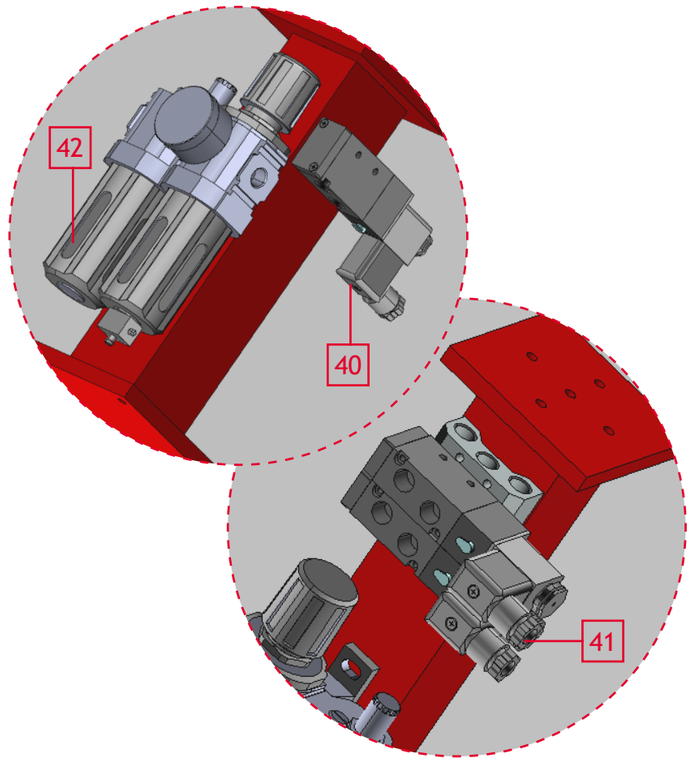
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Welding Positioner PRO 3 PN and PRO 4 PN









*only in connection with layer
Item no.: 02.32.02.00068

All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

Modular for 3D Positioner Systems

Welding Positioner PRO 3 PN and PRO 4 PN

All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

Modular Positioner Systems

Welding Positioner PRO 2 PN

With 60 mm hollow shaft



Features

- Tilting and clamping from 0° to 90°.
- Start/stop via location-independent foot switch.
- Rotating direction adjustable: cw/ccw.
- Rotating time adjustable.
- 60 mm hollow shaft.
- Table diameter: 340 mm. The surface is chrome-plated as a protection against weld spatters.
- Table speed adjustable from 0,6 – 6 rpm.
- Welding machine can be actuated via turntable control.
- Mass contact transmits 300A/100%.
- Turntable and control unit are separated.
- HF-protected.
- Welding positioner PRO 2 PN suitable for 3D welding tables.

Model	PRO 2 PN
Supply voltage	AC 230 V/50 Hz
Ground connection	300 A/100 %
Tilting range	0° – 90°
Table diameter	340 mm
Speed	0,6 – 6 rpm
Torque	6,4 Nm
Rotating directions	cw / ccw
Max. load horizontal	160 kg
Mounting hole circle Ø	114mm to max. 302 mm
Hollow shaft	60 mm
Slot width turntable	14mm
Measurem. (L x W x H) mm	385 x 340 x 375
Weight	54 kg
Item no.	02.30.01.10112

COM-1000: easy control start/stop, cw/ccw
COM-1802: overlap, cw/ccw
COM-1803S: overlap, cw/ccw and with Speeddisplay
COM-1800 VSF: with potentiometric foot switch
COM-2800: with overlap welding, pneumatic control for automated welding
COM-2803S: with overlap welding, pneumatic control and with Speeddisplay
COM-3800: with overlap welding / Spot welding and tack welding
COM-1803 ROB: with Robotic interface



Detailed information on PRO-turntable control systems on page 92!

Max. load of PRO 2 in horizontal position: 160 kg





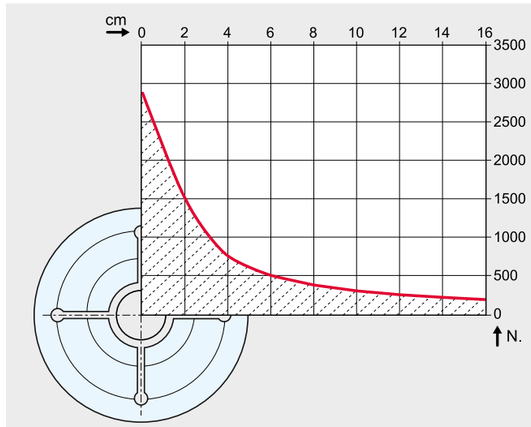
All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

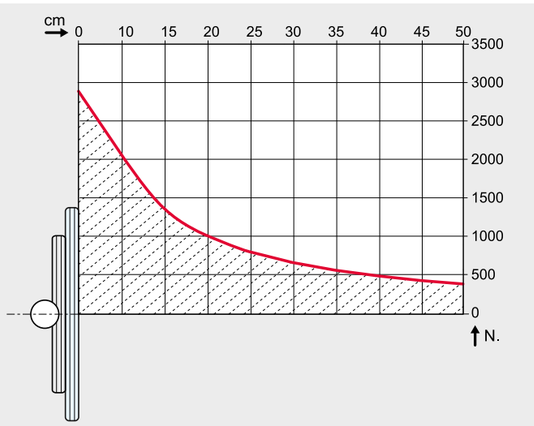
Modular Positioner Systems

Welding Positioner PRO 2 PN

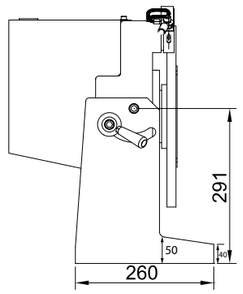
Perfectly positioned

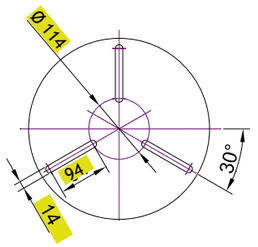
When choosing a turntable, the turning and tilting moment must be considered by all means. The distance between the center of gravity of the workpiece and the faceplate must be considered and the eccentric distance of the center of gravity and the center respectively. Don't forget the weight of the clamping device. It is often higher than the weight of the workpiece itself. The workpieces can be positioned optimally for welding with a turning and tilting table. This improves productivity and quality significantly.

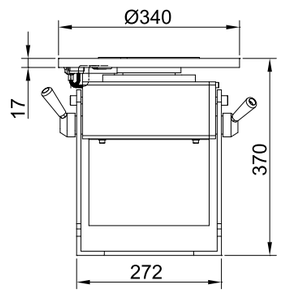


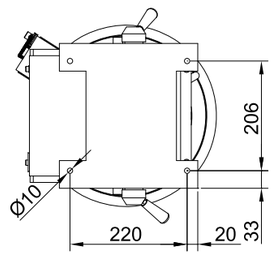


When choosing your positioner, please consider
· the center of gravity of your workpiece
· the weight of your tensioning device (chuck)









Note

suitable three-jaw chuck for Pro 2 Chuck 160 D
Chuck 200 D and Chuck 300 JW.



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Modular Positioner Systems

Welding Positioner PRO 3 PN

With 60 mm hollow shaft



Features

- Tilting and clamping from 0° to 90°.
- Start/stop via location-independent foot switch.
- Rotating direction adjustable: cw/ccw.
- Rotating time adjustable.
- 60 mm hollow shaft.
- Table diameter: 340 mm. The surface is chrome-plated as a protection against weld spatters.
- Table speed adjustable from 0,6 – 6 rpm.
- Welding machine can be actuated via turntable control.
- Mass contact transmits 300A/100%.
- Turntable and control unit are separated.
- HF-protected.
- Welding positioner PRO 3 PN suitable for 3D welding tables.

Model	PRO 3 PN	PRO 3 SN
Supply voltage	AC 230 V/50 Hz	
Rotary motor	90V DC65W	AC400W Servo motor
Ground connection	300 A/100 %	
Tilting range	0° – 90°	
Table diameter	340 mm	
Workpiece diameter	580 mm	
Torque	11,8 Nm	19,6 Nm
Speed	0,6 – 6 rpm	0,05 -5,0 rpm
Rotating directions	cw / ccw	
Max. load horizontal	290 kg	250 kg
Mounting hole circle Ø	114mm up to max. 302 mm	
Hollow shaft	60 mm	
Slot width turntable	14mm	
Measurem. (L x W x H) mm	380 x 340 x 425	
Weight	65 kg	
Item no.	02.30.01.10132	02.31.01.10100

COM-1000: easy control start/stop, cw/ccw
COM-1802: overlap, cw/ccw
COM-1803S: overlap, cw/ccw and with Speeddisplay
COM-1800 VSF: with potentiometric foot switch
COM-2800: with overlap welding, pneumatic control for automated welding
COM-2803S: with overlap welding, pneumatic control and with Speeddisplay
COM-3800: with overlap welding / Spot welding and tack welding
COM-1803 ROB: with Robotic interface
PLC-1801: Controller for turntables with servo motor



Detailed informations on PRO-turntable control systems on page 92!

Max load of PRO 3 in horizontal position:
290 kg.



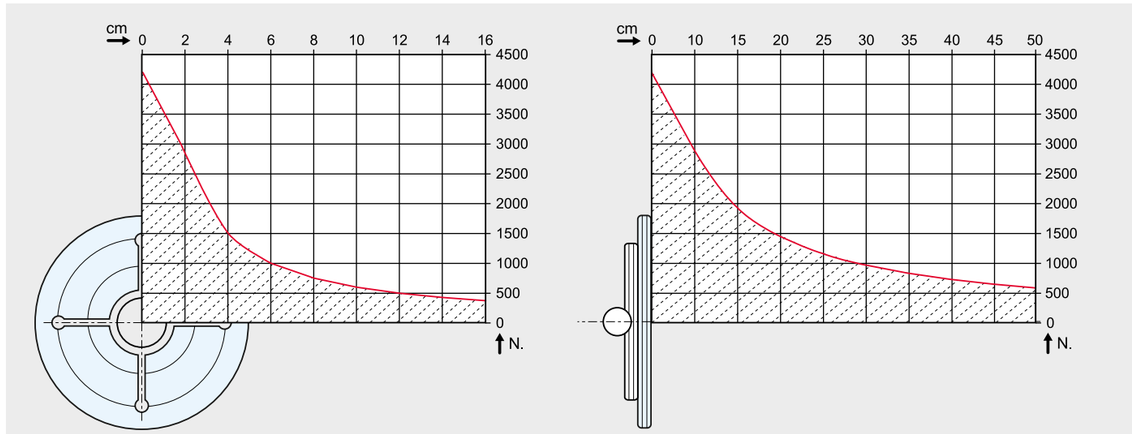


Modular Positioner Systems

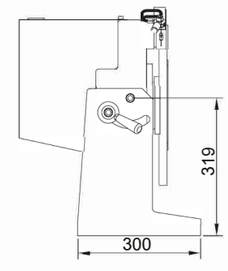
Welding Positioner PRO 3 PN

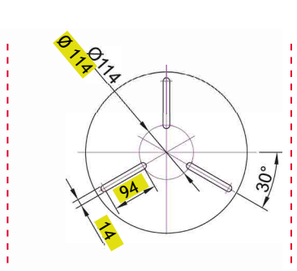
Perfectly positioned

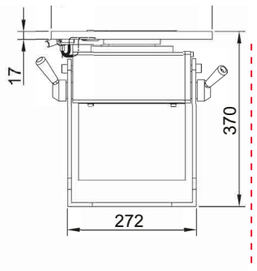
When choosing a turntable, the turning and tilting moment must be considered by all means. The distance between the center of gravity of the workpiece and the faceplate must be considered and the eccentric distance of the center of gravity and the center respectively. Don't forget the weight of the clamping device. It is often higher than the weight of the workpiece itself. The workpieces can be positioned optimally for welding with a turning and tilting table. This improves productivity and quality significantly.

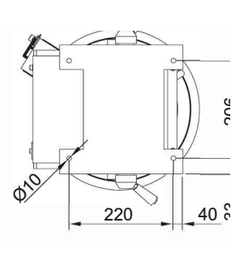


When choosing your positioner, please consider
· the center of gravity of your workpiece
· the weight of your tensioning device (chuck)



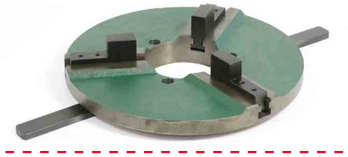






Note

suitable three-jaw chuck for Pro 3 Chuck 160 D to Chuck 200 D and Chuck 300JW



Modular Positioner Systems

Welding Positioner PRO 4 PN

With 120 mm hollow shaft

Features

- Tilting and clamping from 0° to 90°.
- Start/stop via location-independent foot switch.
- Rotating direction adjustable: cw/ccw.
- Rotating time adjustable.
- 120 mm hollow shaft.
- Table diameter: 400 mm.
- Table speed adjustable from 0,2 –2 rpm.
- Welding machine can be actuated via turntable control.
- Mass contact transmits 300A/100%.
- Turntable and control unit are separated.
- HF-protected.
- Welding positioner PRO 4 PN suitable for 3D welding tables.







Model	PRO 4 PN	PRO 4 SN
Supply voltage	AC 230 V/50 Hz	
Ground connection	300 A/100 %	
Tilting range	0° – 90°	
Table diameter	400 mm	
Hollow shaft	120 mm	
Mounting hole circle Ø	180 mm up to max. 360 mm	
Slot width turntable	17mm	
Speed	0,2 – 2 rpm	0,01 - 7,0 rpm
Torque	19,6 Nm	
Rotating directions	cw / ccw	
Max. load horizontal	400 kg	
HF-Protection	92 %	
Measurem. (L x W x H) mm	480 x 400 x 425	
Weight	100 kg	
Item no.	02.30.01.10142	02.31.01.10200

COM-1000: easy control start/stop, cw/ccw
COM-1802: easy control start/stop, cw/ccw
COM-1803S: easy control start/stop, cw/ccw and with Speeddisplay
COM-1800 VSF: with potentiometric foot switch
COM-2800: with overlap welding, pneumatic control for automated welding
COM-2803S: with overlap welding, pneumatic control and with Speeddisplay
COM-3800: with overlap welding / Spot welding and tack welding
COM-1803 ROB: with Robotic interface

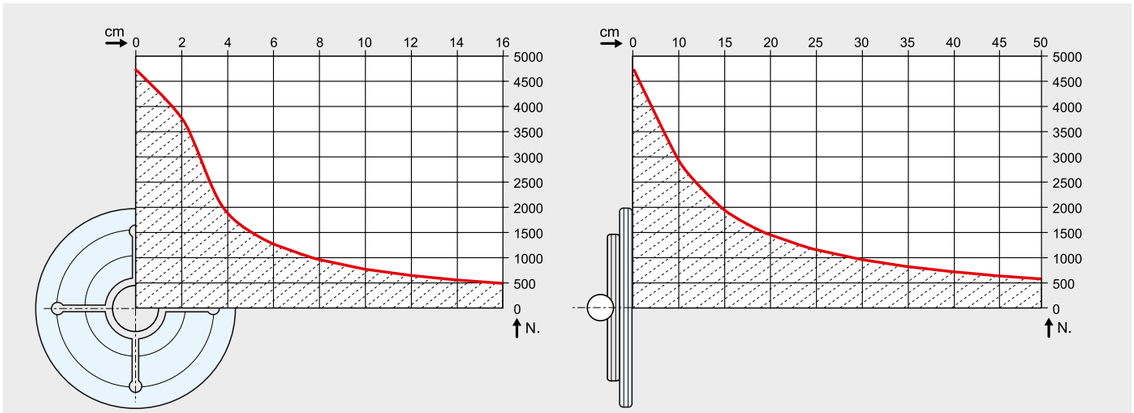
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Modular Positioner Systems

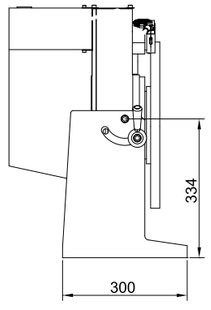
Welding Positioner PRO 4 PN

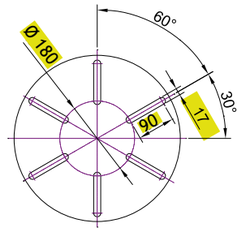
Perfectly positioned

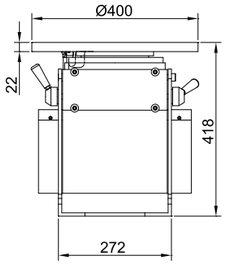
When choosing a turntable, the turning and tilting moment must be considered by all means. The distance between the center of gravity of the workpiece and the faceplate must be considered and the eccentric distance of the center of gravity and the center respectively. Don't forget the weight of the clamping device. It is often higher than the weight of the workpiece itself. The workpieces can be positioned optimally for welding with a turning and tilting table. This improves productivity and quality significantly.

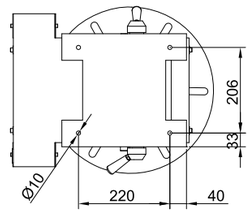


When choosing your positioner, please consider
· the center of gravity of your workpiece
· the weight of your tensioning device (chuck)









Note

suitable three-jaw chuck for PRO4 Chuck 400 JW, Chuck 200 D and Chuck 325 D



figg. Chuck 400JW

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Control Systems

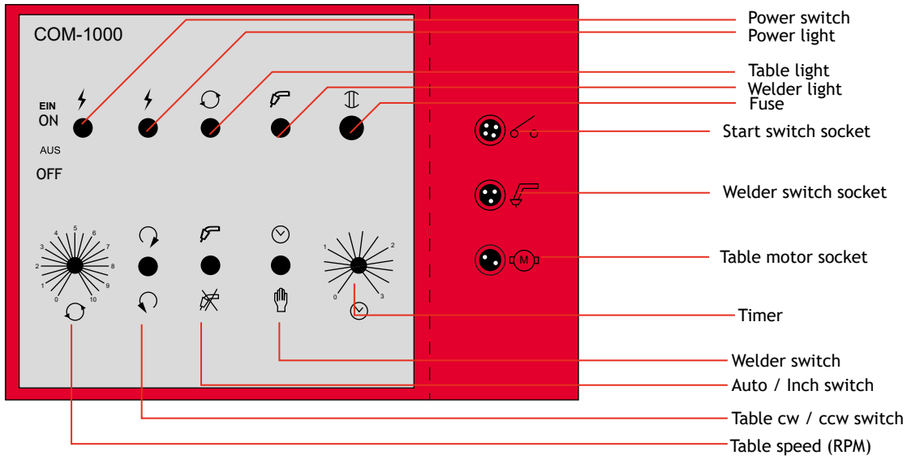
Control unit series for PRO turntables with HF protection

Features

- Forward / reverse operation.
- Stepless speed control.
- Welding Torch ON/OFF.
- Adjuster for turning time, 2-Cycle

Model	COM-1000
Supply voltage	AC 230V /1Ø
Motor power	DC 90V / 150W
Rotating direction	right / left
Timer	0-240sec (5 Time setting ranges)
Welding mode	2-Cycle
Brake	magnetic
HF-Protection	100%
Start	Foot switch (2m cable)
Item no.	02.30.80.10110





Scope of delivery:
Foot switch

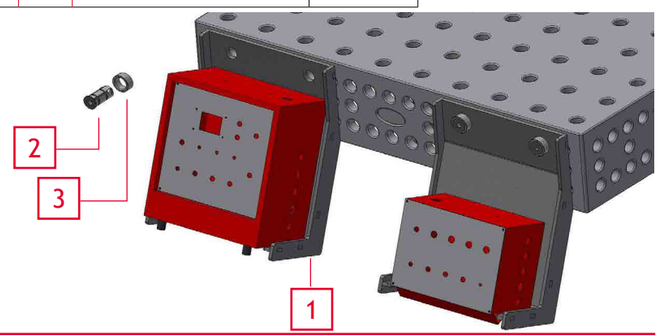
Holder for control system suitable for 3D tables

Pos.	Qty	Item 3D System 28 mm	Item no.	Pos.	Qty	Item 3D System 16 mm	Item no.
1	1	Holder for control system	02.32.02.00110				
2	2	Vertical head clamping bolt 28x50 mm	02.32.02.00010	2	2	Vertical head clamping bolt 16 x 24	02.32.02.00014
3	2	Distance socket 28 mm	02.32.02.00050	3	2	Distance socket 16 mm	02.32.02.00054

We will be happy to advise you individually.

Thanks to the special holder and bolts, the controls can be mounted very easily, quickly and safely.

The control has 230V, so it must not stand on the 3D table.



All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

Control Systems

Control unit series for PRO turntables with HF protection

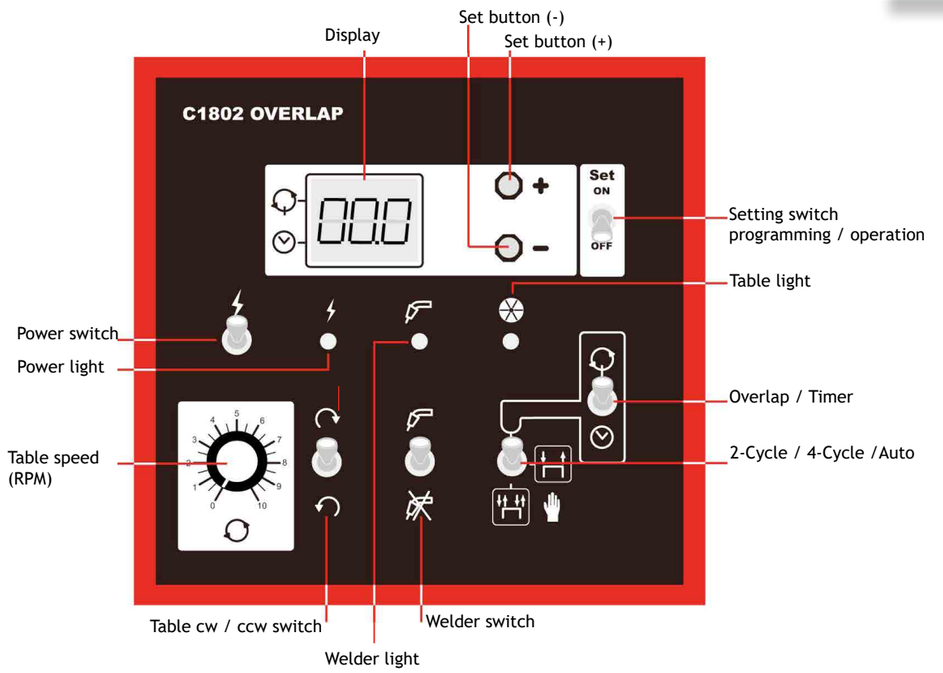
Features

- Forward / reverse operation.
- Stepless speed control.
- Welding Torch ON/OFF.
- Overlap welding adjustable
- Adjuster for turning time, 2-Cycle / 4-Cycle
- Rotational speed display
- COM-1803 with Speeddisplay

Model	COM-1802	COM-1803S
Supply voltage	A1:AC 110V/60 Hz/4A A2:AC 220V/50 Hz/3A	
Motor power	DC 90V / 150W	
Rotating direction	cw / ccw	
Overlap (Limit switch)	0 to 166 sec. (digital display, unit 10Hz)	
Timer (Limit switch)	0 to 166 sec. (digital display, unit 10Hz)	
Welding at the start	2-Cycle	
Brake	magnetic	
HF-Protection	100%	
Start	Foot switch (2m cable)	
Item no.	02.30.80.10120	02.30.80.10125



Scope of delivery:
Foot switch



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Control Systems

Control unit series for PRO turntables with HF protection

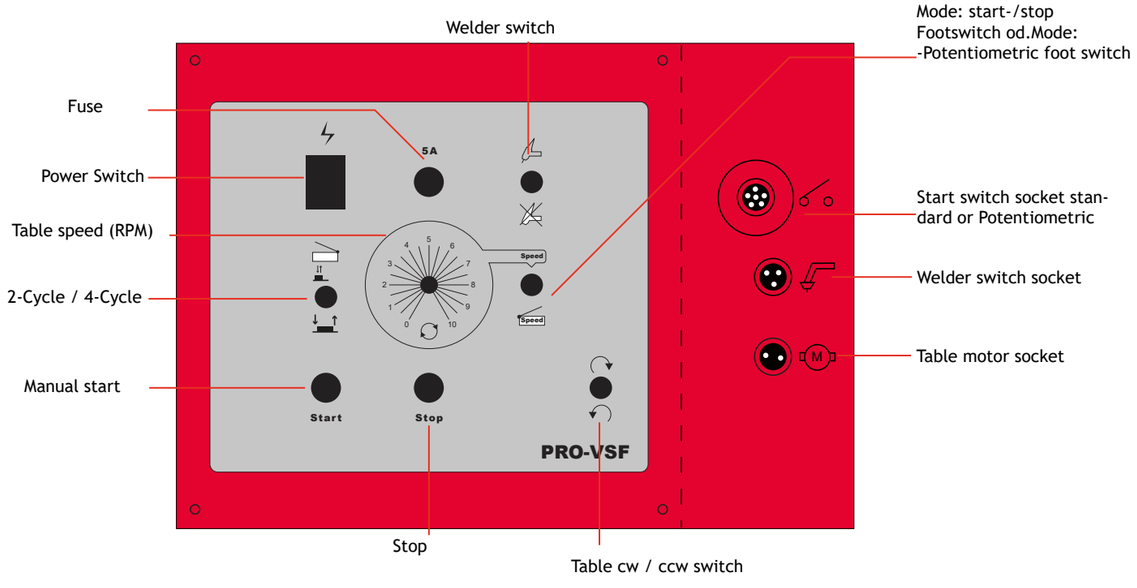
Features

- Forward / reverse operation.
- Stepless speed control.
- Welding Torch ON/OFF.
- for potentiometric footswitch

Model	COM-1800 VSF
Supply voltage	A1:AC 230 V /50 Hz/5 A
Motor power	DC 90V / 150W
Rotating direction	cw / ccw
Welding mode	2-Cycle / 4-Cycle
Brake	magnetic
HF-Protection	100%
Start	Footswitch (2m cable)
Item no.	02.30.80.10130



Scope of delivery:
Foot switch



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Control Systems

Control unit series for PRO turntables with HF protection

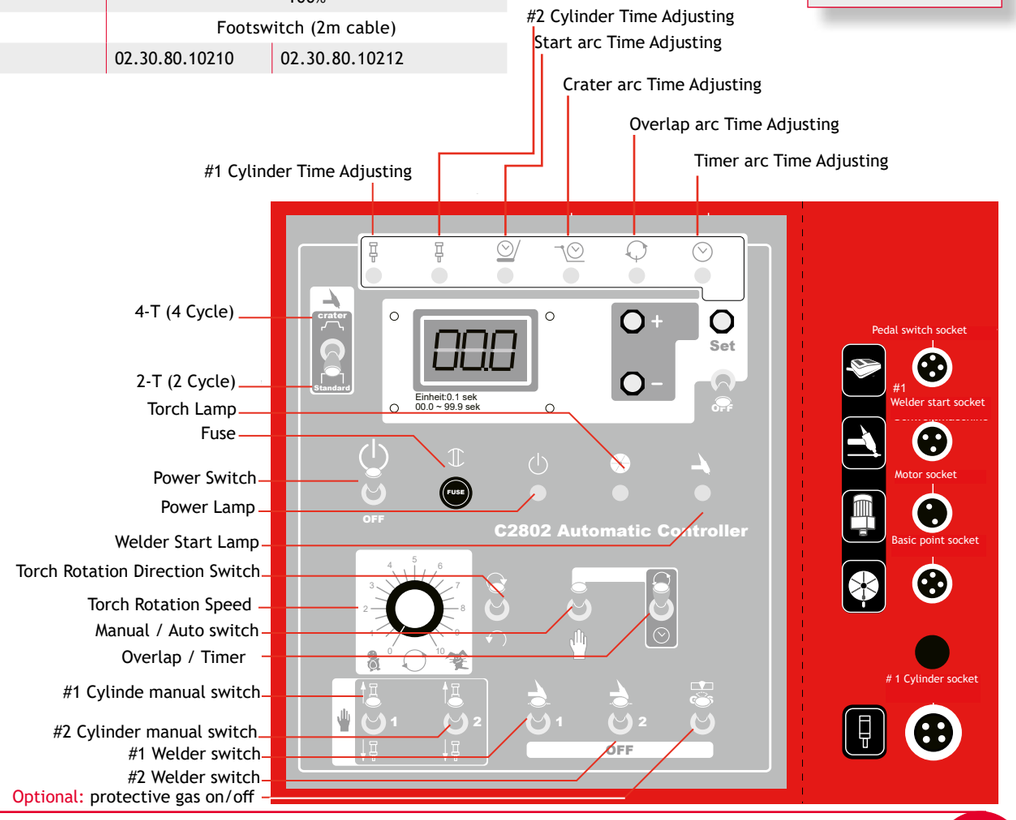
Features

- Forward / reverse operation.
- Stepless speed control.
- Welding Torch ON/OFF.
- Overlap welding adjustable.
- Controller for rotation time, 2-Cycle / 4-Cycle
- Pneumatic control for automated welding.
- COM-2803S with Speeddisplay

Model	COM-2800	COM-2803S
Supply voltage	A1:AC 230 V /50 Hz/3 A	
Motor power	DC 90V / 150W	
Rotating direction	cw / ccw	
Over Lap timer	0 – 99 sek	
Timer	0 – 999 sek	
Start arc timer	0 – 99 sek	
Crater arc timer	0 – 99 sek	
Welding mode	Standard 2-Cycle / Crater(4-Cycle)	
Line welder	2 pc (welding w. 1 torch or 2 torches)	
Brake	magnetic	
HF-Protection	100%	
Start	Footswitch (2m cable)	
Item no.	02.30.80.10210	02.30.80.10212



Scope of delivery:
Foot switch



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Control Systems

Control unit series for PRO turntables with HF protection

For spot- and tack-welding
With the COM-3800 welding spots are set via the reed contact in combination with inductive transmitters (screws M6×1). Where the inductive transmitter makes a contact, a welding spot (i.e. welding –> turntable does not rotate) or a welding bead (i.e. welding –> turntable rotates) is set. The welding length is controlled via the adjustable time.

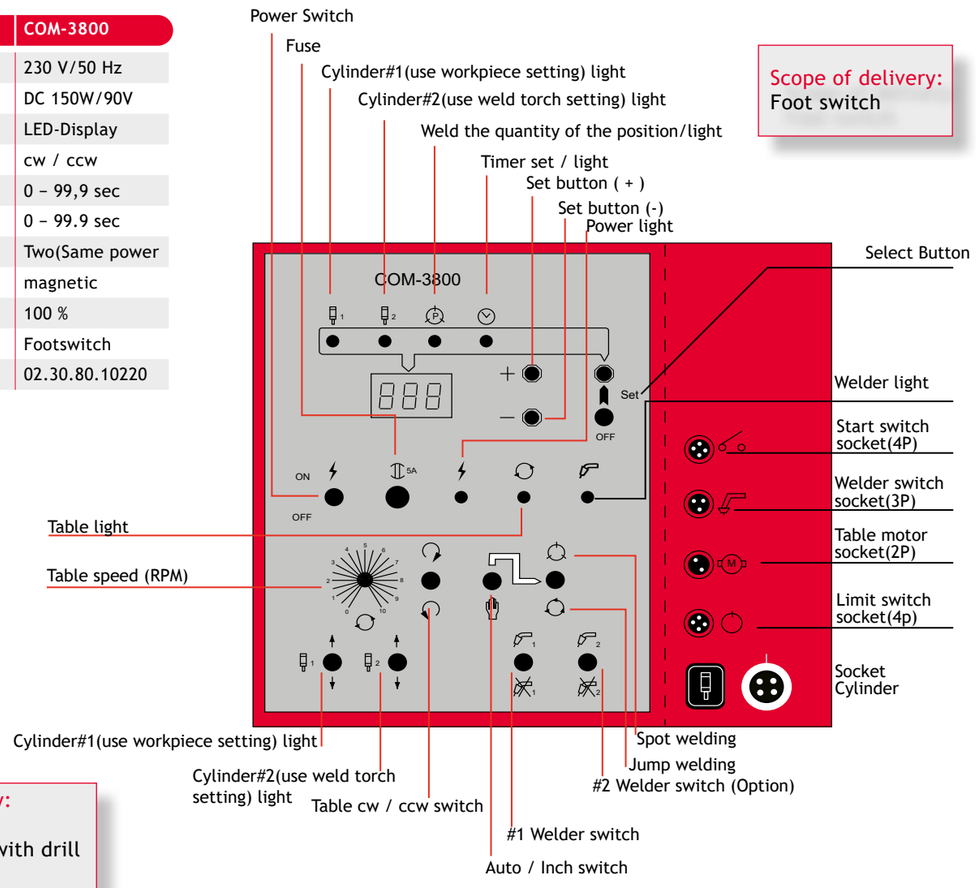
The control unit is delivered with a suitable turntable for PRO2 and PRO3. The turntable is already equipped with 12 drillings. Subsequently, further drillings are possible.



Features

- Forward / reverse operation.
- Stepless speed control.
  Welding Torch ON/OFF.
- Overlap welding adjustable.
- Pneumatic control for automated welding.
- Spot welding and tack welding.

Model	COM-3800
Supply voltage	230 V/50 Hz
Motor power	DC 150W/90V
Display	LED-Display
Rotating direction	cw / ccw
Arc spot timer	0 – 99,9 sec
Arc jump timer	0 – 99.9 sec
Air valve control	Two(Same power
Brake	magnetic
HF-Protection	100 %
Start	Footswitch
Item no.	02.30.80.10220



Scope of delivery:
Controller
Turntable plate with drill holes
12 Bolts M6 x 1

Scope of delivery:
Foot switch

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Control Systems

Control unit series for PRO turntables with HF protection

PLC-Control – One for all!

The integrated touchpad can control the following functions and save them:

- Right-/Left Running.
- Infinitely variable speed control.
- Welding torch on/off.
- Weld overlap
- Pneumatic control for automated welding.
- Spot welding and tack welding.

Additional functions:

- Regulation of gas pre- and postflow time
- Pneumatic control for trestle / support block
- With 99 memory cells

Touchscreen also possible separately on the automation



SIEMENS Technologie

Model PLC 1302	SPS
Supply voltage	230 V/50 Hz
HF-Protection	100 %
Start	Fußschalter
Item no.	02.30.80.10230

Model PLC 1801S	SPS (Control f. turntables w. servo motor)
Supply voltage	230 V/50 Hz
HF-Protection	100 %
Start	Footswitch
Item no.	02.30.80.10234

Model PLC 2101 SW	SPS
Supply voltage	230 V/50 Hz
HF-Protection	100 %
Start	Footswitch
Item no.	

Scope of delivery:
Foot switch

Note

Thermal Dynamics®
Plasma-Cutting Unit A40i CNC and A60i CNC on page 42.



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Control System with Robotic Interface

COM-1803 ROB

With Robotic interface
COM-1803 ROB presents an inexpensive compact controller for robot interface, in addition offers the COM-1803 ROB a digital speed display. The controller is suitable for PRO2 PN, PRO3 PN and PRO4 PN (also suitable for upgrading).

with Robotic interface

Features

- Forward / reverse operation.
- Stepless speed control.
- Overlap welding adjustable.
- 2-Cycle / 4-Cycle
- incl. rotational speed display
- Robotic interface

Model	COM-1803 ROB
Supply voltage	230 V/50 Hz
Motor power	DC 90 V 150W
HF-Protection	100%
Start	Footswitch
Item no.	02.30.80.10140



Control COM 1803 ROB

VIDEO Productvideo

Scope of delivery:
Foot switch

Note



Turntables in modular system
Read more on page 86

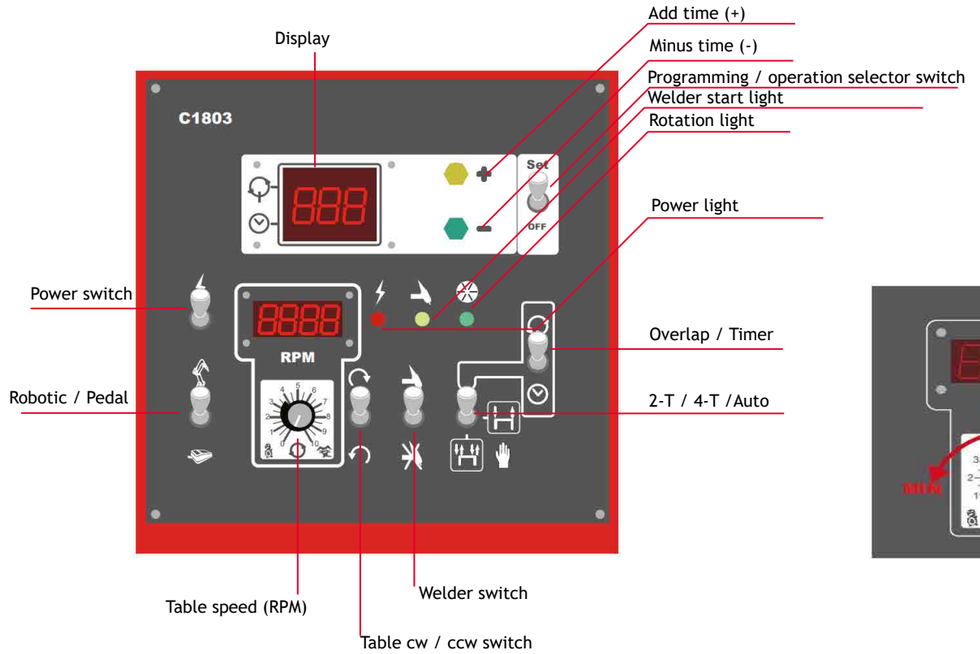
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Control System with Robotic Interface

JAVAC DEUTSCHLAND

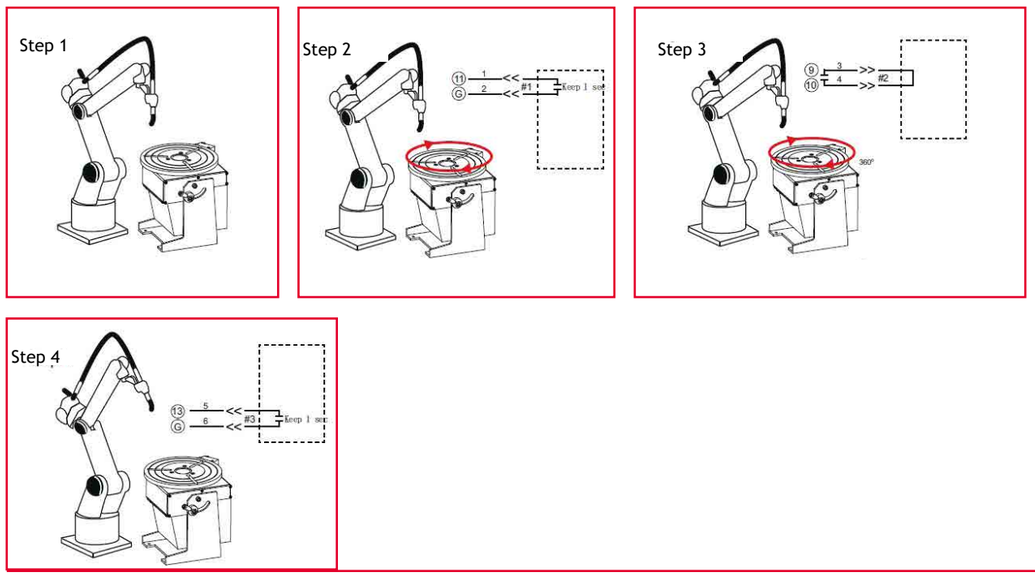
COM-1803 ROB

here an overview about the functions of COM 1803 ROB...





Application.....



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Underframe for welding positioners

Suitable for PRO 2 PN, PRO 3 PN and PRO 4 PN









Underframe
Item no.: 02.30.92.00010

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Underframe for welding positioners

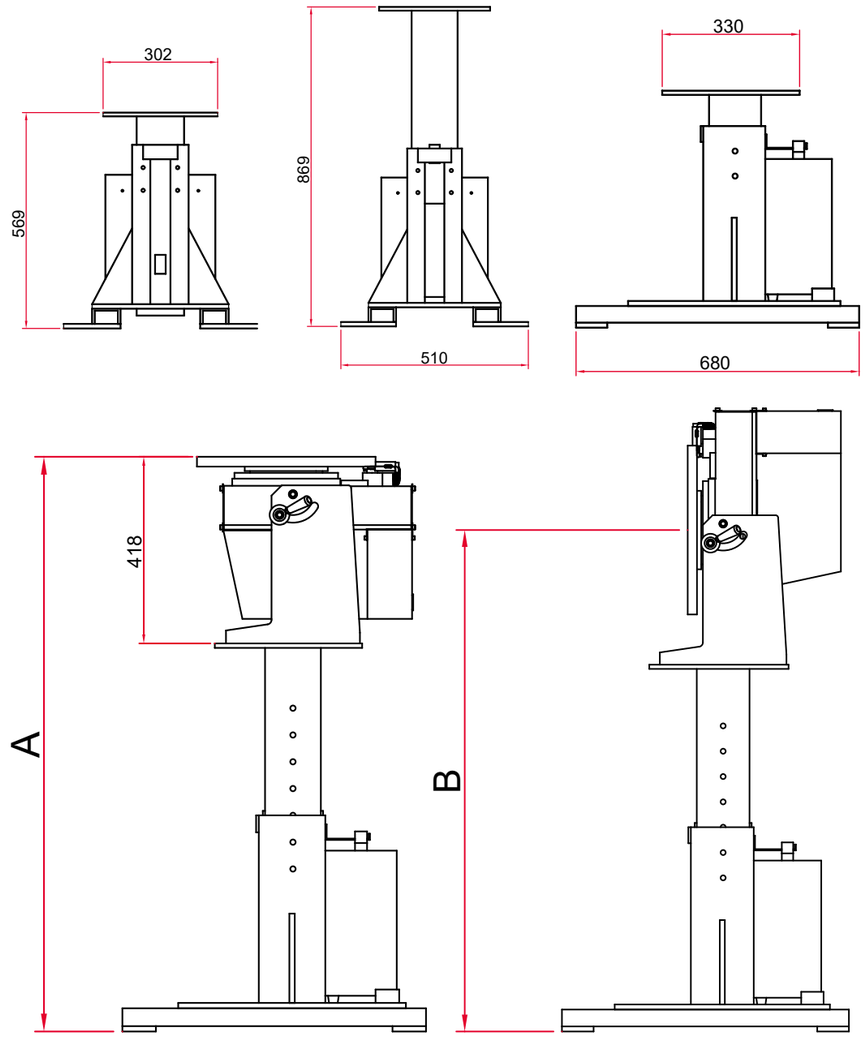
Suitable for PRO 2 PN, PRO 3 PN and PRO 4 PN

The base frame is suitable for all turntables of the JAVAC-PRO series. Set the desired working height by means of plug-in screws and place your turntable on the platform.

Height adjustment	PRO2	PRO3	PRO4
A (in mm)	939 - 1.239	982 - 1.282	987 - 1.287
B (in mm)	845 - 1.145	888 - 1.188	888 - 1.188

Features

- Height adjustable
- Suitable for welding positioners
  PRO 2 PN, PRO 3 PN and PRO 4 PN



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Gear Boxes

additional Gear Box

Choose a gear box for your PRO turntable
With the different gears you have the possibility to adjust the speed of your PRO-turntable to your requirements. You can determine before buying *, with which gear or which speed your turntable should be equipped.





Model	spin speed	Gear Box	intermediate gear	turning moment
PRO 02 PN	2,4 – 24 u/min	5GN15B		2,5 Nm
	2,0 – 20 u/min	5GN18B		3,0 Nm
	1,2 – 12 u/min	5GN30B		4,4 Nm
standard	0,6 – 6 u/min	5GN60B		6,4 Nm
	0,4 – 4 u/min	5GN90B		6,4 Nm
	0,2 – 2 u/min	5GN180B		6,4 Nm
	0,24 - 2,4 u/min	5GN15N	5GN10X	2,5 Nm
	0,12 – 1,2 u/min	5GN30B	5GN10X	4,4 Nm
	0,06 – 0,6 u/min	5GN60B	5GN10X	6,4 Nm
	0,04 – 0,4 u/min	5GN90B	5GN10X	6,4 Nm
	0,02 – 0,2 u/min	5GN180B	5GN10X	6,4 Nm
PRO 03 PN	2,8 – 28 u/min	5GX12.5KB		3,9 Nm
	2,4 – 24 u/min	5GX15KB		3,9 Nm
	1,2 – 12 u/min	5GX30KB		6,9 Nm
	1,0 – 10,0 u/min	5GX36KB		6,9 Nm
standard	0,6 – 6 u/min	5GX60KB		11,8 Nm
	0,4 – 4 u/min	5GX90KB		11,8 Nm
	0,2 – 2 u/min	5GX180KB		11,8 Nm
	0,24 – 2,4 u/min	5GX15KB	5GX10XK	3,9 Nm
	0,12 – 1,2 u/min	5GX30KB	5GX10XK	6,9 Nm
	0,06 – 0,6 u/min	5GX60KB	5GX10XK	11,8 Nm
	0,04 – 0,4 u/min	5GX90KB	5GX10XK	11,8 Nm
	0,02 – 0,2 u/min	5GX180KB	5GX10XK	11,8 Nm
PRO 04 PN	1,2 – 12 u/min	5GN3B		12,7 Nm
	0,6 – 6 u/min	5GN6B		19,6 Nm
	0,4 – 4 u/min	5GN9B		19,6 Nm
standard	0,2 – 2 u/min	5GN18B		19,6 Nm
	0,1 – 1 u/min	5GN36B		19,6 Nm
	0,06 – 0,6 u/min	5GN60B		19,6 Nm
	0,04 – 0,4 u/min	5GN90B		19,6 Nm
	0,02 – 0,2 u/min	5GN180B		19,6 Nm

* When changing the gear,additional costs arises for the conversion

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Control Systems + Gear Boxes

additional Gear Box



Model	spin speed	Gear Box	intermediate gear	turning moment
POS 300	0,5 – 5,0 u/min	5GN5B		80,4 Nm
standard	0,34 – 3,4 u/min	5GN7.5B		120,6 Nm
	0,14 – 1,4 u/min	5GN18B		176,5 Nm
	0,08 – 0,8 u/min	5GN30B		176,5 Nm
	0,07 – 0,7 u/min	5GN36B		176,5 Nm
	0,04 – 0,4 u/min	5GN60B		176,5 Nm
	0,03 – 0,3 u/min	5GN90B		176,5 Nm
	0,01 – 0,1 u/min	5GN180B		176,5 Nm

Model	spin speed	Gear Box	intermediate gear	turning moment
POS 500	0,48 – 4,8 u/min	5GX5KB		195,0 Nm
standard	0,2 – 2,6 u/min	5GX9KB		195,0 Nm
	0,2 – 2,0 u/min	5GX12,5KB		195,0 Nm
	0,16 – 1,6 u/min	5GX15KB		195,0 Nm
	0,08 – 0,8 u/min	5GX30KB		195,0 Nm
	0,07 - 0.7 u/min	5GX36KB		195,0 Nm
	0,04 – 0,4 u/min	5GX60KB		195,0 Nm
	0,03 – 0,27 u/min	5GX90KB		195,0 Nm
	0,01 – 0,13 u/min	5GX180KB		195,0 Nm

Model	spin speed	Gear Box	intermediate gear	turning moment
POS 750	0,21 – 2,1 u/min	5GX7.5KB		662,0 Nm
standard	0,12 – 1,2 u/min	5GX12.5KB		662,0 Nm
	0,1 – 1,0 u/min	5GX15KB		662,0 Nm
	0,05 – 0,52 u/min	5GX30KB		662,0 Nm
	0,04 - 0,42 u/min	5GX36KB		662,0 Nm
	0,03 – 0,26 u/min	5GX60KB		662,0 Nm
	0,02 – 0,17 u/min	5GX90KB		662,0 Nm
	0,01 – 0,09 u/min	5GX180KB		662,0 Nm

for SIR-Series Turnroller (Page 138)

Modell	spin speed	Gear Box	intermediate gear	turning moment
SIR-1T standard	120 – 1200 mm/min	5GX25KB		87,7 Nm
SIR-3T	120 – 1200 mm/min	RG-CHM200/40B		214.4 Nm
SIR-5T	120 – 1200 mm/min	RG-CHM400/40B		596.0 Nm



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Positioners, medium-weight

Welding Positioner POS-300

With 60 mm hollow shaft

Features

- Table can be tilted manually from 0° to 135°.
- Foot switch start/stop.
- 60 mm hollow shaft.
- Table diameter: 400 mm.
- Rotating directions adjustable cw / ccw
- Table speed adjustable from 0,34 – 3,4 rpm.
- Welding machine can be actuated via turntable control.
- Mass contact transmits 300 A / 100 %.
- Control unit available with overlap welding.
- HF-protected.

M = manual tilting
MC = manual tilting with overlap
MCR = manual tilting with overlap welding and robotic interface
AC = motor-driven tilting with overlap welding
ACR = motor-driven tilting with overlap welding and robotic interface



VIDEO

Productvideo on www.javac.org





Model	POS-300
Supply voltage	AC 230 V/50 Hz
Ground connection	300 A/100 %
Tilting range	0° – 135°
Table diameter	400 mm
Hollow shaft	60 mm
Mounting hole circle Ø	120mm up to max. 356mm
Slot width table	17mm
Speed	0,34 – 3,4 u/min
Torque	120,6 Nm
Table tilt	manually (by hand wheel)
Max. Load A	300 kg
Measurement (L x W x H) mm	ca. 340 x 288 x 410
Weight	ca. 150 kg
Item no. POS-300 M	02.30.01.10310 (old: 01.30.01.10310)
Item no. POS-300 MC	02.30.01.10320 (old: 01.30.01.10320)
Item no. POS-300 MCR	02.30.01.10330 (old: 01.30.01.10330)
Item no. POS-300 A	02.30.01.10340 (old: 01.30.01.10340)
Item no. POS-300 AC	02.30.01.10350 (old: 01.30.01.10350)
Item no. POS-300 ACR	02.30.01.10360 (old: 01.30.01.10360)



1	2-cycle/4-cycle or automatic operation
2	Welding start signal
3	Stop
4	Rotating direction cw/ccw
5	Start
6	Speed control

Scope of delivery:
1 Control unit (integrated)
1 Start/stop foot switch
1 Cable remote control

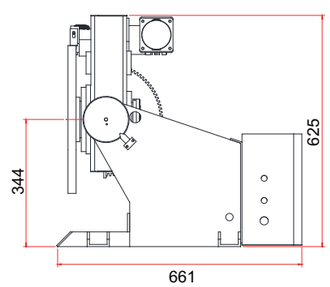
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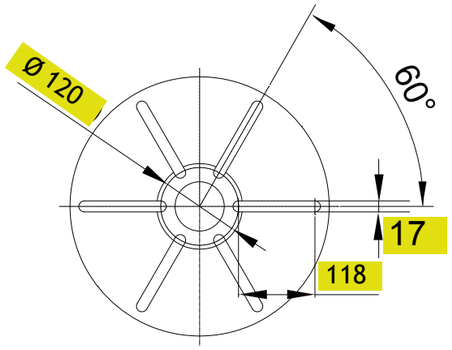
Positioners, medium-weight

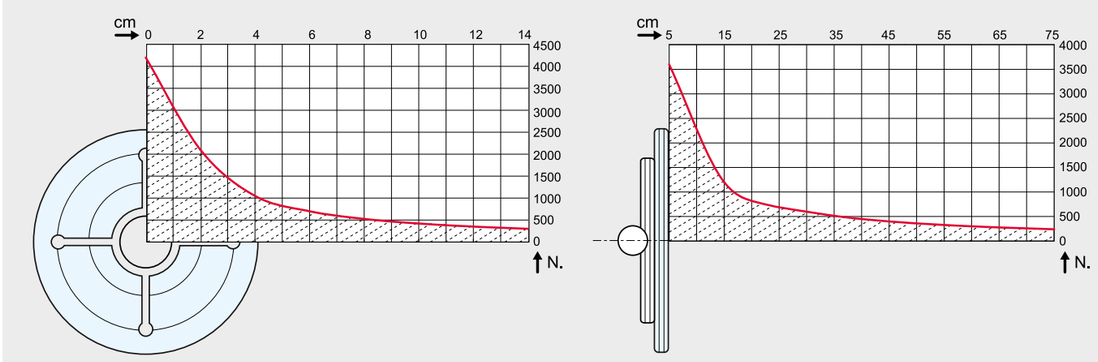
Welding Positioner POS-300

Perfectly positioned

When choosing a turntable, the turning and tilting moment must be considered. For the mounting of eccentric workpieces we recommend to use counterweights. This protects the bearings and increases the service life of the turntable.



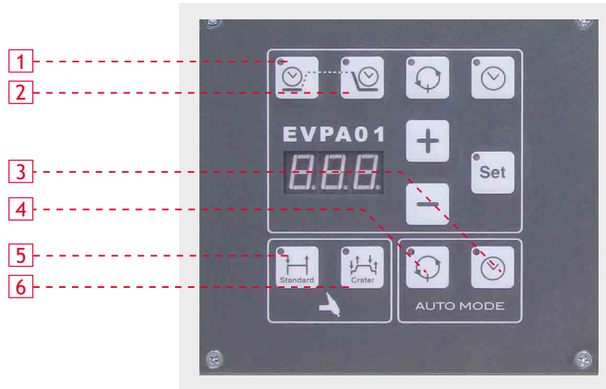




When choosing your positioner, please note the center of gravity of your workpiece incl. your tensioning device.

Functions

POS-300MC	1	Pre-welding time
	2	Crater filling
	3	Turning time
	4	Overlap welding time
	5	2-cycle welding
	6	4-cycle welding with crater filling



Control for setting overlap welding.

All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

Positioners, medium-weight

Welding Positioner POS-500 Serie

With 60 mm hollow shaft

Features

- Table can be tilted manually from 0° to 135°.
- Foot switch start/stop.
- Rotating direction adjustable: cw/ccw.
- 60 mm hollow shaft.
- Table diameter: 450 mm.
- Table speed adjustable from 0,26 – 2,6 or 0,05 – 5 rpm.
- Welding machine can be actuated via turntable control.
- Mass contact transmits 400 A / 100 %.
- Control unit available with overlap welding.
- HF-protected.

M = manual tilting
MS = manual tilting with servo motor
MC = manual tilting with overlap
MCR = manual tilting with overlap welding and robotic interface
A = motor-driven tilting
AC = motor-driven tilting with overlap welding
ACR = motor-driven tilting with overlap welding and robotic interface
AS = motor-driven tilting with servo motor
ACS = motor-driven tilting with overlap welding servo motor





Productvideo on www.javac.org



Scope of delivery:
1 Control unit (integrated)
1 Start/stop foot switch
1 Cable remote control

VIDEO

Model	POS-500
Supply voltage	AC 230 V/50 Hz
Ground connection	400 A/100 %
Tilting range	0° – 135°
Table diameter	450 mm
Hollow shaft	60 mm
Mounting hole circle Ø	145mm up to max. 381mm
Slot width table	17mm
RPM standard optional: servo-motor	0,26 – 2,6 u/min 0,05 – 5 u/min
Torque	195,0 Nm
Rotating directions	cw/ccw
Remote control	RPM rotating direction adjustable
Max. Load A	500 kg
Measurement (L x W x H) mm	app. 655 x 500 x 503
Weight	app. 180 kg
Item no. POS-500 M	02.30.01.10510
Item no. POS-500 MS	02.30.01.10515
Item no. POS-500 MC	02.30.01.10520
Item no. POS-500 MCR	02.30.01.10530
Item no. POS-500 A	02.30.01.10540
Item no. POS-500 AC	02.30.01.10550
Item no. POS-500 ACR	02.30.01.10560
Item no. POS-500 AS	02.30.01.10570
Item no. POS-500 ACS	02.30.01.10575



remote control MC

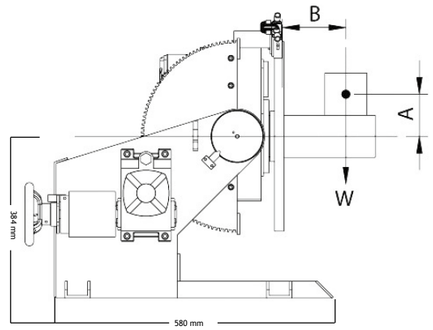
1	2-cycle/4-cycle or automatic operation
2	Welding start signal
3	Stop
4	Rotating direction cw/ccw
5	Start
6	Speed control

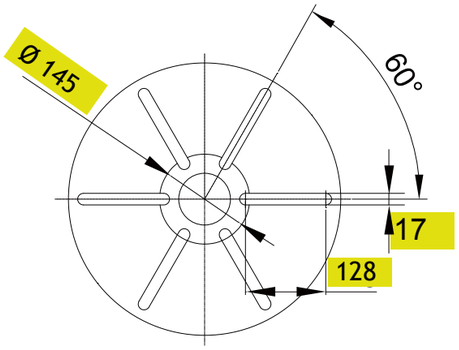
Positioners, medium-weight

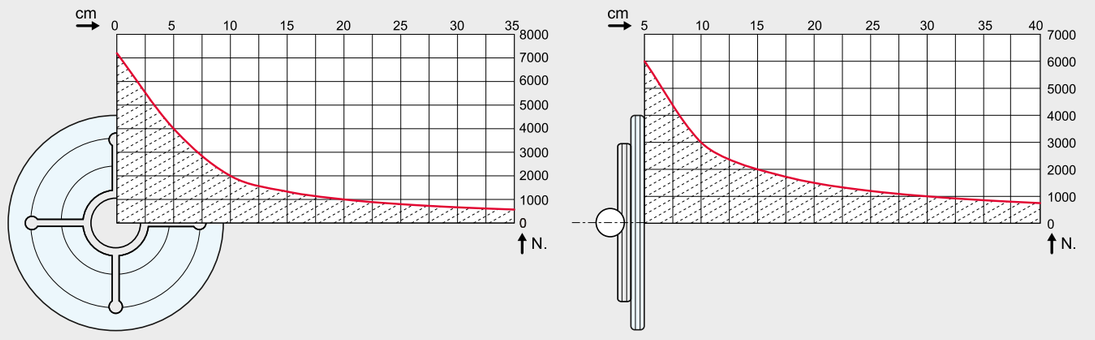
Welding Positioner POS-500 Serie

Perfectly positioned

When choosing a turntable, the turning and tilting moment must be considered. For the mounting of eccentric workpieces we recommend to use counterweights. This protects the bearings and increases the service life of the turntable.



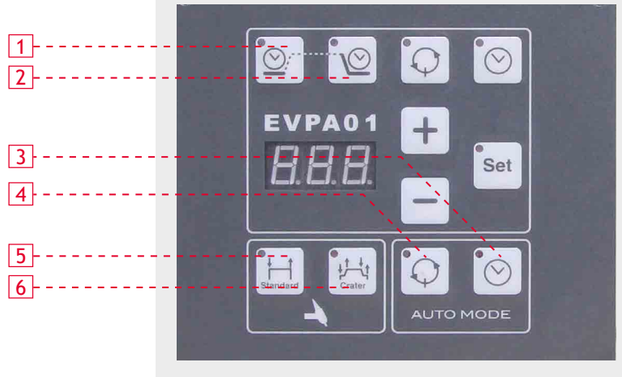




When choosing your positioner, please note the center of gravity of your workpiece incl. your tensioning device.

Functions

POS-500MC	1	Pre-welding time
	2	Crater filling
	3	Turning time
	4	Overlap welding time
	5	2-cycle welding
	6	4-cycle welding with crater filling



Control for setting overlap welding.

All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

Welding Positioner POS-750 Serie

With 60 mm hollow shaft



Features

- Table can be tilted motor-driven from 0° to 135°.
- Foot switch start/stop.
- Rotating direction adjustable: cw/ccw.
- 60 mm hollow shaft.
- Table diameter: 600 mm. .
- Table speed adjustable from 0,12 – 1,2 or from 0,05 – 5 rpm.
- Welding machine can be actuated via turntable control.
- Mass contact transmits 400A/100%.
- Control unit available with overlap welding, HF-prot.

A = motor-driven tilting
AS = motor-driven tilting with servo motor
AC = motor-driven tilting with overlap welding
ACS = motor-driven tilting with overlap welding and servo motor
ACR = motor-driven tilting with overlap welding and robotic interface
ACR S= motor-driven tilting with overlap welding, robotic interface and servo motor





Model	POS-750
Supply voltage	AC 400 V/50 Hz
Ground connection	400 A/100 %
Tilting range	0° – 135°
Table diameter	600 mm
Hollow shaft	60 mm
Mounting hole circle Ø	190 mm up to max. 540 mm
Slot width table	17mm
RPM standard optional: Servo-Motor	0,12 – 1,2 u/min 0,05 – 5 u/min
Torque	675 Nm
Rotating directions	cw/ccw
Turning moment Tilting moment	675 Nm 1500 Nm
Remote control	RPM rotating direction adjustable
Max. Load A	750 kg
Measurement (L x W x H) mm	app. 704 x 650 x 585
Weight	app. 334 kg
Item no. POS-750 A	02.30.01.10710
Item no. POS-750 AS	02.30.01.10780
Item no. POS-750 AC	02.30.01.10720
Item no. POS-750 ACS	02.30.01.10730
Item no. POS-750 ACR	02.30.01.10740
Item no. POS-750 ACR S	02.30.01.10785

TÜV NORD

Productvideo on www.javac.org

VIDEO

Scope of delivery:
1 Control unit (integrated)
1 Start/stop foot switch
1 Cable remote control



remote control AC

1	Downward tilting
2	Upward tilting
3	2-cycle/4-cycle
4	Rotating direction cw/ccw
5	Stop
6	Start
7	Rotating speed

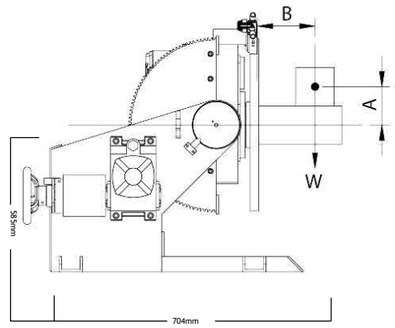
* no full robot axis 360 ° + overlap welding

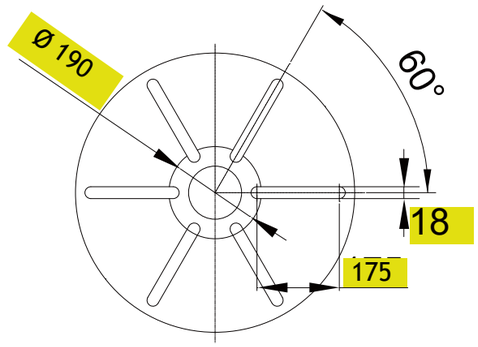
Positioners, medium-weight

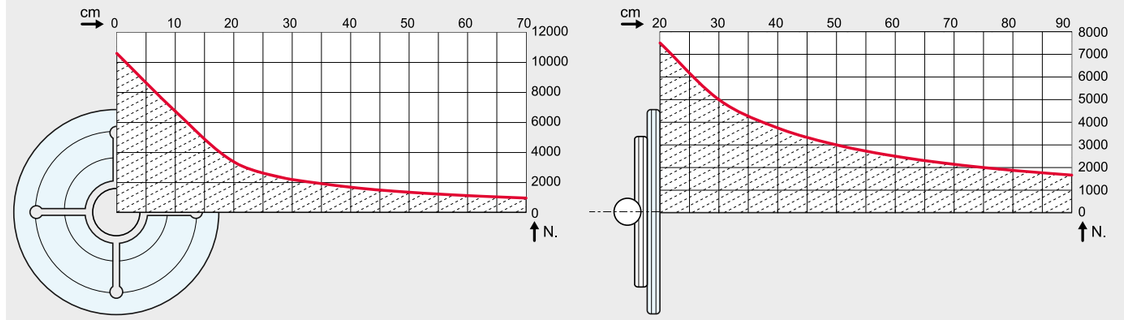
Welding Positioner POS-750 Serie

JAVAC DEUTSCHLAND

At the push of a button
Due to the motor-driven tilt rotation, many different welding jobs can be done in flat positon. For automated welding: 2-cycle/4-cycle function and welding start/stop signal for the welding device.

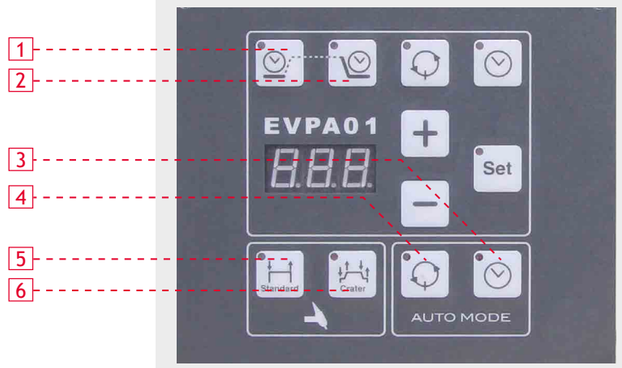






When choosing your positioner, please note the center of gravity of your workpiece incl. your tensioning device.

		Functions
POS-750AC	1	Pre-welding time
	2	Crater filling
	3	Turning time
	4	Overlap welding time
	5	2-cycle welding
	6	4-cycle welding with crater filling



MC-control for the adjustment of overlap welding.

Positioners, medium-weight

Welding Positioner POS-1TAC

With 120 mm hollow shaft



Perfectly positioned
When choosing a turntable, the turning and tilting moment must be considered. For the mounting of eccentric workpieces we recommend to use counter-weights.

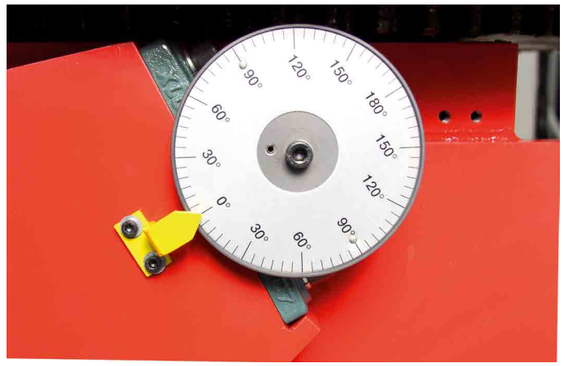
TA = motor-driven tilting
TAC = motor-driven tilting with overlap welding
TACR = motor-driven tilting with overlap welding and robotic interface
TAS = motor-driven tilting with servo motor
TACS = motor-driven tilting with overlap welding and servo motor

Features

- Robust design.
- Infinitely variable speed control.
- Hand remote control.
- HF-protected.

VIDEO Productvideo on www.javac.org

Model	POS-1
Supply voltage	AC 400V/18A/50Hz
Ground connection	1000 A/100 %
Tilting range	0° – 135°
Table diameter	900 mm
Hollow shaft	120 mm
Mounting hole circle Ø	260 mm to max. 750 mm
RPM standard optional: servo-motor	0,05 – 0,5 u/min 0,05 – 5,0 u/min
Rotating directions	cw/ccw
Torque	3000 Nm
Tilting moment	4500 Nm
Remote control	RPM & rotating dir. adjustable
Max. vertical load	1000 kg
HF-Protection	100 %
Measur. (L x W x H) mm	1050 x 935 x 801
Weight	750 kg
Item no. POS-1 TA	02.30.02.11010
Item no. POS-1 TAC	02.30.02.11020 (old: 71801152)
Item no. POS-1 TACR	02.30.02.11030
Item no. POS-1 TAS	02.30.02.11040
Item no. POS-1 TACS	02.30.02.11045



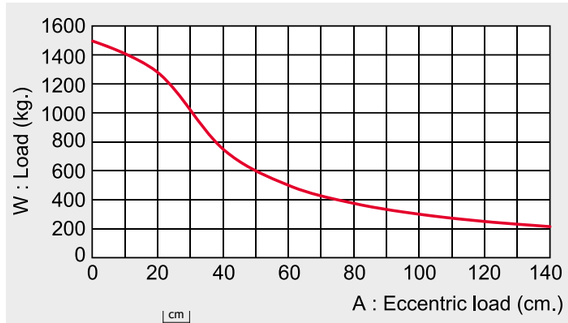


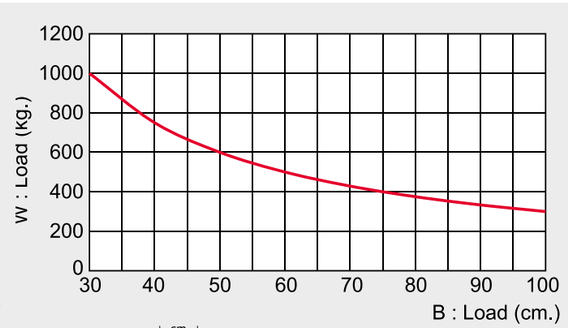
Scope of delivery:
1 Control unit (integrated)
1 Start/Stop foot switch
1 Cable remote control

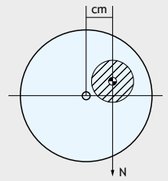
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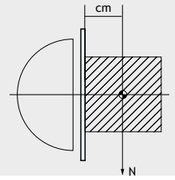
Positioners, medium-weight

Welding Positioner POS-1TAC

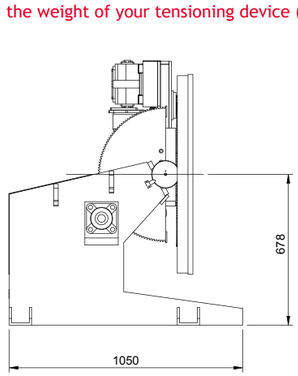


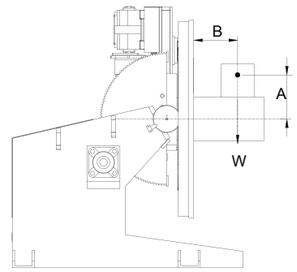


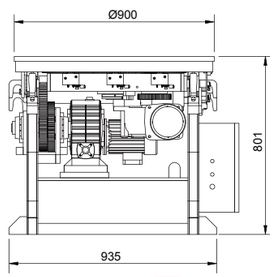


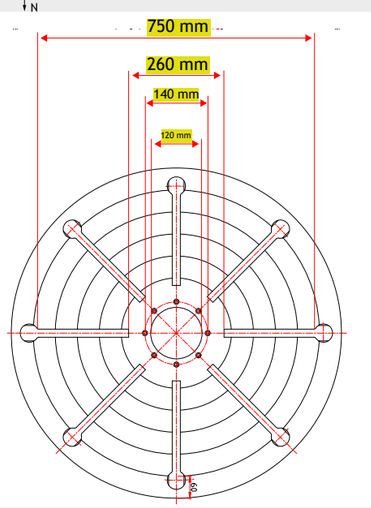


When choosing your positioner, please consider
· the center of gravity of your workpiece
· the weight of your tensioning device (chuck)

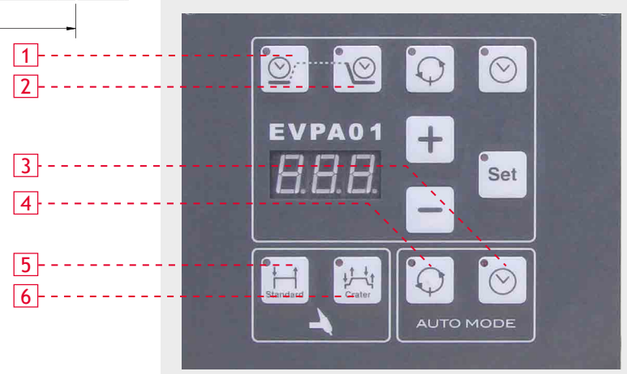








Functions		
POS-TAC	1	Pre-welding time
	2	Crater filling
	3	Turning time
	4	Overlap welding time
	5	2-cycle welding
	6	4-cycle welding with crater filling



MC/AC-control for the adjustment of overlap welding.

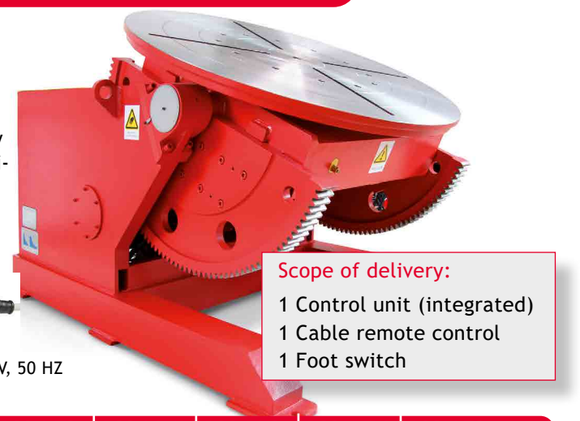
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Positioners, heavy-duty

Welding Positioner POS-TW and POS-TS series

For heavy industries

When choosing a turntable, the turning and tilting moment must be considered by all means. The distance between the center of gravity of the workpiece and the faceplate must be considered and the eccentric distance of the center of gravity and the center respectively. Workpieces can be optimally positioned for welding with a turning and tilting table.



Features

- Robust design.
- Infinitely variable speed control.
- Hand remote control.
- HF-protected.



All listed positioners have an input voltage of: 3P, 400 V, 50 HZ

Scope of delivery:

1 Control unit (integrated)
1 Cable remote control
1 Foot switch

Model	POS-1 TW	POS-1 TS	POS-2 TW	POS-2 TS	POS-3 TW	POS-3 TS	POS-4 TW	POS-4 TS
Max. Load	1 t		2 t		3 t		4 t	
Max. rotation torque	2000 Nm		4000 Nm		6000 Nm		8000 Nm	
Max. tilt torque	3000 Nm		6000 Nm		9000 Nm		12.000 Nm	
Centre of gravity	300 mm		300 mm		300 mm		300 mm	
Eccentricity	200 mm		200 mm		200 mm		200 mm	
Rotation speed TW-Series	0,12 – 1,2 u/min		0,1 – 1,0 u/min		0,05 – 0,5 u/min		0,05 – 0,5 u/min	
Rotating speed TS-Series	0,05 – 5 u/min (Servo motor)							
Rotating power TS-Series	1,3 KW		1,8 KW		2,9 KW		4,4 KW	
Tilt speed	0,35 u/min		0,35 u/min		0,35 u/min		0,35 u/min	
Tilt range(°)	0 – 135°		0 – 135°		0 – 130°		0 – 130°	
Max turning dia at 90 deg	1350 mm		1630 mm		1750 mm		1850 mm	
Mounting hole circle Ø	130 mm - max. 270 mm		140 mm - max. 360		125 mm - max. 470			
Table diameter	900 mm		1100 mm		1300 mm		1300 mm	
Measurement (L x W x H) mm	1475 x 1050 x 900		1640 x 1150 x 1000		1800 x 1350 x 1050		1800 x 1350 x 1050	
Welding current	500 A		500 A		700 A		700 A	
Item no. POS-TW Serie	02.30.02.01012		02.30.02.01020		02.30.02.01032		02.30.02.01040	
Item no. POS-TS Serie	02.30.02.02010		02.30.02.02020		02.30.02.02030		02.30.02.02040	

Model	POS-5 TW	POS-5 TS	POS-6 TW	POS-8 TW	POS-10 TW
Max. Load	5 t		6 t	8 t	10 t
Max. rotation torque	10.000 Nm		12.000 Nm	16.000 Nm	20.000 Nm
Max. tilt torque	15.000 Nm		18.000 Nm	32.000 Nm	40.000 Nm
Centre of gravity	300 mm		300 mm	400 mm	400 mm
Eccentricity	200 mm		200 mm	200 mm	200 mm
Rotating speed	0,05 – 0,5 u/min	0,05 – 5 u/min	0,05 – 0,5 u/min	0,02 – 0,2 u/min	0,02 – 0,2 u/min
Rotating speed TS-Series	5,5 KW				
Tilt speed	0,2 u/min		0,2 u/min	0,2 u/min	0,2 u/min
Tilt range(°)	0 – 130°		0 – 130°	0 – 130°	0 – 130°
Max turning dia at 90 deg	2000 mm		2180 mm	2300 mm	2500 mm
Mounting hole circle Ø	195 mm - max. 500			240 mm- max. 590	240 mm - max. 690
Table diameter	1500 mm		1600 mm	1800 mm	2000 mm
Measurement (L x W x H) mm	2200 x 1600 x 1200		2200 x 1600 x 1300	2500 x 1800 x 1425	2720 x 2000 x 1600
Welding current	700 A		700 A	1000 A	1000 A
Item no. POS-TW Serie	02.30.02.01050		02.30.02.01060	02.30.02.01070	02.30.02.01080
Item no. POS-TS Serie	02.30.02.02050				

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Positioners, heavy-duty

Welding Positioner POS-TW and POS-TS series

Eccentric load (E)

Diagram 1

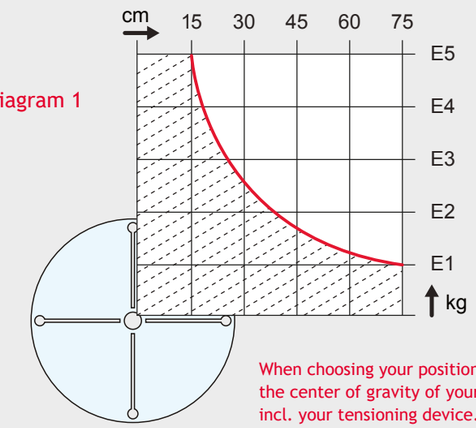
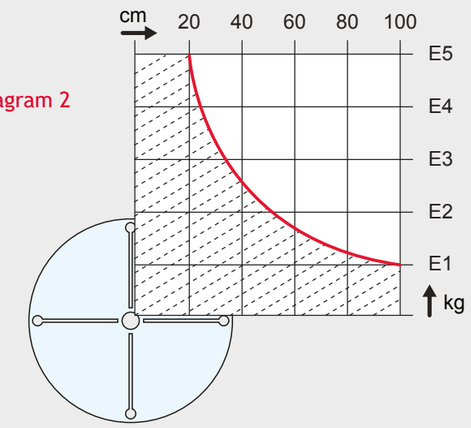


Diagram 2



When choosing your positioner, please note the center of gravity of your workpiece incl. your tensioning device.

Eccentric	POS-1TW	POS-2TW	POS-3TW	POS-4TW	POS-5TW	POS-6TW	POS-8TW	POS-10TW
	Diagram 1		Diagram 2					
E1 (in kg)	200	400	600	800	1000	1.200	1.600	2.000
E2 (in kg)	400	800	1.200	1.600	2.000	2.400	3.200	4.000
E3 (in kg)	600	1.200	1.800	2.400	3.000	3.600	4.800	6.000
E4 (in kg)	800	1.600	2.400	3.200	4.000	4.800	6.400	8.000
E5 (in kg)	1.000	2.000	3.000	4.000	5.000	6.000	8.000	10.000

Centric load(C)

Diagram 3

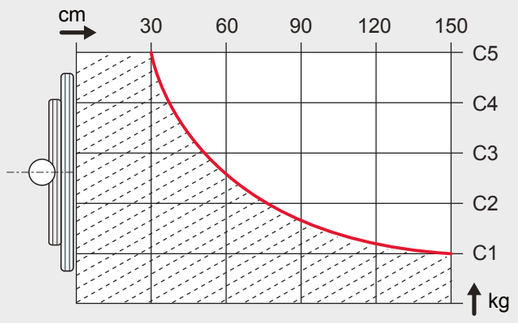
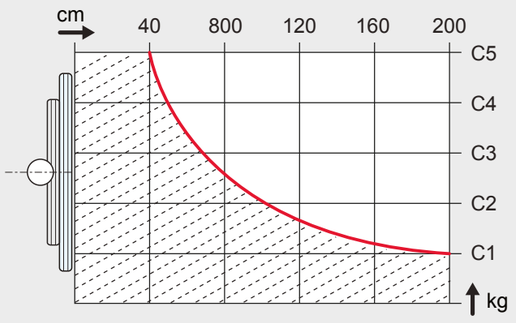


Diagram 4



Centric	POS-1TW	POS2TW	POS-3TW	POS-4TW	POS-5TW	POS-6TW	POS-8TW	POS-10TW
			Diagram 3				Diagram 4	
C1 (in kg)	200	400	600	800	1.000	1.200	1.600	2.000
C2 (in kg)	400	800	1.200	1.600	2.000	2.400	3.200	4.000
C3 (in kg)	600	1.200	1.800	2.400	3.000	3.600	4.800	6.000
C4 (in kg)	800	1.600	2.400	3.200	4.000	4.800	6.400	8.000
C5 (in kg)	1.000	2.000	3.000	4.000	5.000	6.000	8.000	10.000

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Positioners, heavy-duty

Hydraulic Welding Positioner YHB

Useful and versatile
YHB positioners are the best solution for lifting, turning and tilting difficult workpieces. For automated welding, they have 2-cycle/4-cycle as well as start/stop signal for the welding device.

VIDEO

Product presentation on www.javac.org



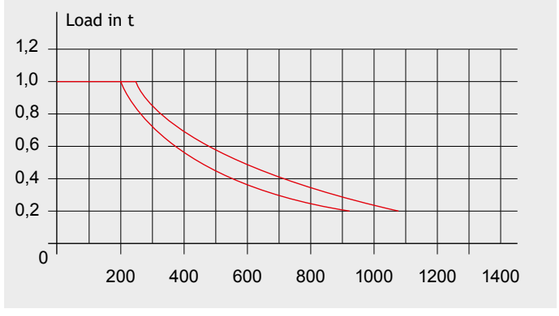
Pic. similar

Scope of delivery:
1 Foot switch (integr. 6 m)
1 Cable remote control (6m)

Model	YHB 06	YHB 1	YHB 2	YHB 3	YHB 5	YHB 10
Load capacity	0,6t	1t	2t	3t	5t	10t
Center of gravity load	250 mm	250 mm	250 mm	300 mm	300 mm	400 mm
Excentric load	200 mm	200 mm	200 mm	200 mm	200 mm	200 mm
Table diameter	900 mm	900 mm	1.000 mm	1.400 mm	1.500 mm	2.000 mm
Rotation motor power	0,37 Kw	0,75 Kw	0,75 Kw	1,1 kW	1,5 kW	3,0 kW
Table height from floor	599 – 1399 mm	599 – 1399 mm	699 – 1499 mm	788 – 1694 mm	950 – 1730 mm	1340 – 2678 mm
Rotating speed.	0,1 – 1,0 u/min	0,1 – 1,0 u/min	0,1 – 1,0 u/min	0,05 – 0,5 u/min	0,05 – 0,5 u/min	0,05 – 0,5 u/min
Tilting angle	135°	135°	135°	135°	120°	130°
Mounting hole circle Ø	446 - 810mm	446 - 810mm	446 - 910mm	300 - 1200mm	320 - 1380mm	320 - 1810mm
Size (LxWxH max. in mm)	1400 x 1122 x 1500	1780 x 1142 x 1550	1600 x 1240 x 1650	2248 x 1480 x 1896	2709 x 1700 x 1855	3935 x 2000 x 2678
Hydraulic motor	1,1 kW	1,1 kW	1,1 kW	1,5 kW	1,5 kW	3,0 kW
Hydraulic pressure	20 mpa	20 mpa	20 mpa	20 mpa	20 mpa	20 mpa
Item no.	02.30.03.00006	02.30.03.00010 (old: 71842010)	02.30.03.00020 (old: 71842020)	02.30.03.00030 (old: 71842030)	02.30.03.00050	02.30.03.00100 (old: 71842100)







All YHB positioners have an input voltage of: 3P, 400 V, 50 HZ

All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

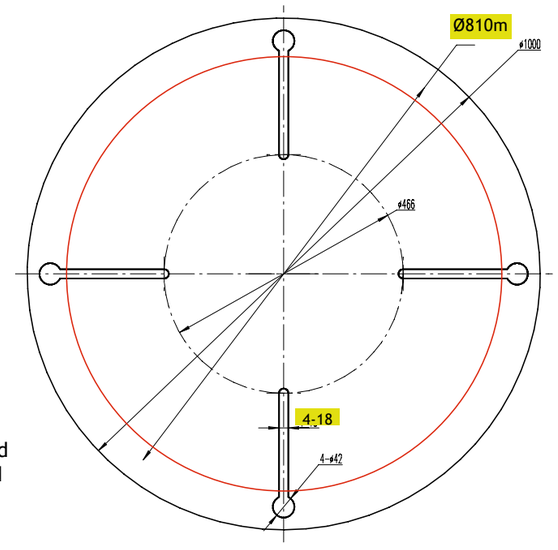
Positioners, heavy-duty

Horizontal Turntables POS HD series



Features

- High gear ratio.
- Infinitely variable.
- Fast rotation.
- Dynamic brake.
- Speed remote control.



Scope of delivery:
Control unit (integrated)
Hand remote control

Figure above: Standard design with integrated control

Model	Item no.	Load	eccentric distance	Rotation speed	Diameter	Mounting hole circle Ø
POS 10 HD	02.30.04.00010	1.000 kg	300 mm	0,1 - 1 rpm	1000 mm	810 mm
POS 20 HD	02.30.04.00020	2.000 kg	300 mm	0,1 - 1 rpm	1200 mm	1110 mm
POS 30 HD	02.30.04.00030	3.000 kg	300 mm	0,1 - 1 rpm	1400 mm	1170 mm
POS 50 HD	02.30.04.00050	5.000 kg	300 mm	0,1 - 1 rpm	1800 mm	1270 mm
POS 100 HD	02.30.04.00100	10.000 kg	300 mm	0,05 - 0,5 rpm	2000 mm	1750 mm
POS 300 HD	02.30.04.00300	30.000 kg	300 mm	0,05 - 0,5 rpm	2000 mm	1700 mm
POS 500 HD	02.30.04.00500	50.000 kg	300 mm	0,05 - 0,5 rpm	2000 mm	1700 mm
POS 1000 HD	02.30.04.01000	100.000 kg	300 mm	0,05 - 0,5 rpm	2200 mm	1900 mm

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Chucks

Three-jaw Chuck for Turntables

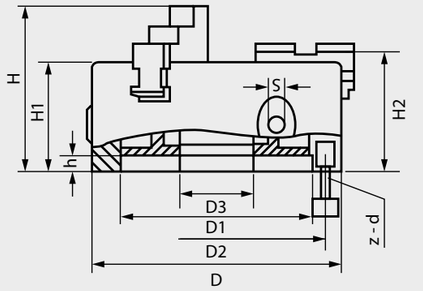
Precisely fitting
We offer a multitude of different chucks for chuck tensioning, above all on welding turntables. Every workpiece diameter from 2 mm up to 1530 mm can be fixed. In addition to our "Chuck series" we now have "Chuck 500" in our product range for the excellent positioning of very heavy workpieces.



Chuck 325-D

Features

- Universally applicable.
- Self-retaining tension.
- Extra set of soft chuck jaws which can be finished for increased fitting accuracy.



Scope of delivery:
1 Three-jaw chuck
1 Set of external jaws
1 Wrench

Size (D)	D1	D2	D3	H	H1	H2	h	S	z - d	Max. load	Weight	suitable for
Chuck 160-D	130	142	40	95	65	–	5	10	3 - M8	160 Nm	8,8 kg	PRO 08, PRO 1, PRO 2, PRO 3
Chuck 200-D	165	180	65	109	75	–	5	12	3 - M10	250 Nm	15,5 kg	PRO 08, PRO 1, PRO 2, PRO 3
Chuck 325-D	272	296	100	154,5	96	102,5	12	13	3 - M16	400 Nm	44 kg	PRO 4
Chuck 500-D	440	465	210	184	115	–	6	17	6 - M16	630 Nm	124 kg	POS 750

Modell	Chuck 160-D	Chuck 200-D	Chuck 325-D	Chuck 500-D
Drilling	40 mm	65 mm	100 mm	210 mm
Inner tensioning range	3 — 145	4 — 200	11,5 — 340	25 — 500
Outer tensioning range	50 — 160	65 — 200	95 — 350	150 — 500
Mounting hole circle	142 mm	180 mm	296 mm	465 mm
Torque	160 Nm	250 Nm	400 Nm	630 Nm
Clamping force	24 kN	31 kN	46 kN	64 kN
Fixture	3-M10	3-M10	3-M16	6-M16
Item no.	02.20.10.00010 (old: 91919008)	02.20.10.00020 (old: 91919012)	02.20.10.00030 (old: 91919016)	02.20.10.00050 (old: 91919024)



The jaw chuck of this series fit without modifications to the JAVAC rotary tables with three and six grooves.

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Chucks

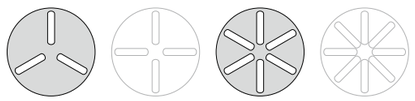
Quick action chuck for turntables



Features

- Extra flat design made of cast iron with hollow shaft.
- Low weight.
- Changes center of gravity minimally.

Model	*Chuck 200 JW	Chuck 300 JW	Chuck 400 JW	Chuck 500 JW	Chuck 600 JW
Hollow shaft	80 mm	100 mm	170 mm	240 mm	365 mm
Diameter	200 mm	300 mm	400 mm	500 mm	600 mm
Diameter + lever	400 mm	460	570 mm	700	840 mm
External clamping range	20 – 130mm	80 – 190mm	120 – 250mm	200 – 340 mm	150 – 410 mm
Clamping range inside	110 – 210mm	170 – 280 mm	250 – 380mm	360 – 500 mm	400 – 620 mm
Extended tens. range	5 – 300mm	10 – 400mm	20 – 500mm	40 – 600 mm	100 – 750mm
Mounting hole circle	100 mm	120 mm	220 mm	280 mm	400 mm
Tension force	200 kg	250 kg	350 kg	800 kg	1200 kg
Max. load	80 kg	120 kg	240 kg	600 kg	1000 kg
Weight	7,5	12 kg	25 kg	42 kg	80 kg
Fixture	3-M8 x 35	3-M8 x 30	3-M10 x 40	3-M12 x 55	3-M12 x 110
Item no.	02.20.10.01020 (old: 91919110)	02.20.10.01030 (old: 9191919111)	02.20.10.01040 (old: 919191116)	02.20.10.01050 (old: 91919202)	02.20.10.01060 (old: 91919206)



The jaw chuck of this series fit without modifications to the JAVAC rotary tables with three and six grooves.

Chuck	PRO8	PRO1	PRO2	PRO3	PRO4	POS300	POS500	POS750
Chuck 200 JW	x	x	x	x	x	x	x	x
Chuck 200-D					x			x
Chuck 300 JW			x	x	x	x	x	x

Mounting plate for chucks



* for the Chuck 200JW you need for all Pro and Pos turntables the mounting plate with the item number: 9191912125 (please note for Pro4 the hollow shaft can only be used up to 80 mm)

External diameter 300 mm
Drill 80 mm
Item no.: 91919125

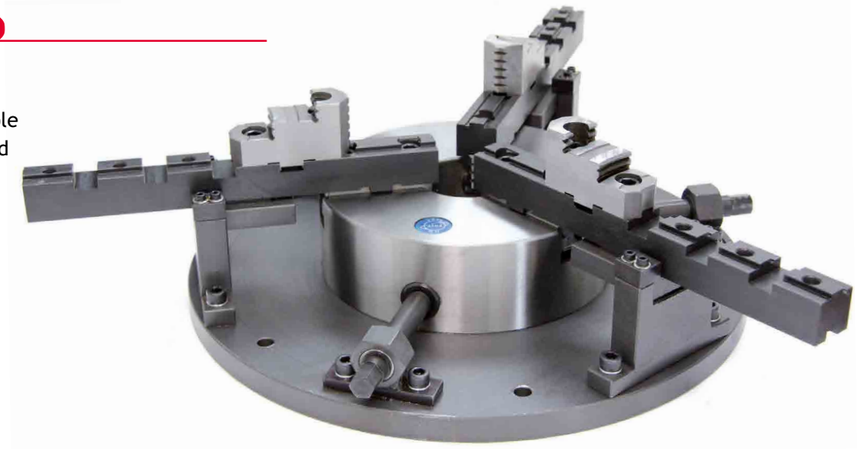
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Chucks

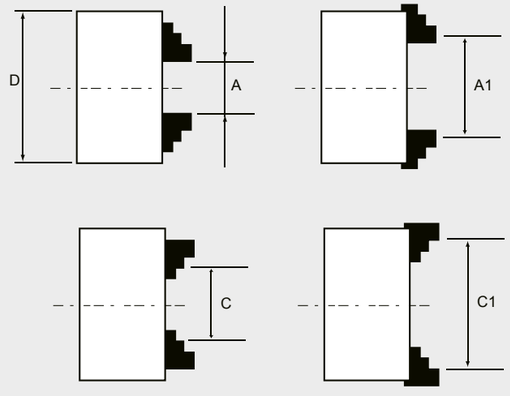
Three-jaw chucks with high tension

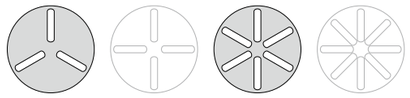
Features

- Solid format.
- High tension force.
- Ideal for the JAVAC-turntable series POS 300, POS 500 and POS 750



Modell	RD-8	RD-10	RD-13	RD-15	RD-20
Max. Load	600 kg	800 kg	860 kg	1000 kg	1000 kg
Basic plate Ø	400 mm	480 mm	580 mm	680 mm	780 mm
Tens. range A - A1	4 – 480 mm	6 – 548 mm	10 – 691 mm	15 – 875 mm	25-1,160
Tens. range C - C1	65 – 600 mm	90 – 688 mm	100 – 866 mm	120 – 1045 mm	150-1,330
Mounting hole circle	320 mm	420 mm	500 mm	530 mm	700 mm
Weight	44 kg	68 kg	122 kg	174 kg	396 kg
Tensioning force	2400 kg	3200 kg	3400 kg	3000 kg	3000 kg
Item no.	02.20.10.03008 (old: 91919250)	02.20.10.03010 (old: 91919254)	02.20.10.03013 (old: 91919258)	02.20.10.03015 (old:91919260)	02.20.10.03020
Ideal for	POS 300	POS 500	POS 750		





The jaw chuck of this series fit without modifications to the JAVAC rotary tables with three and six grooves.

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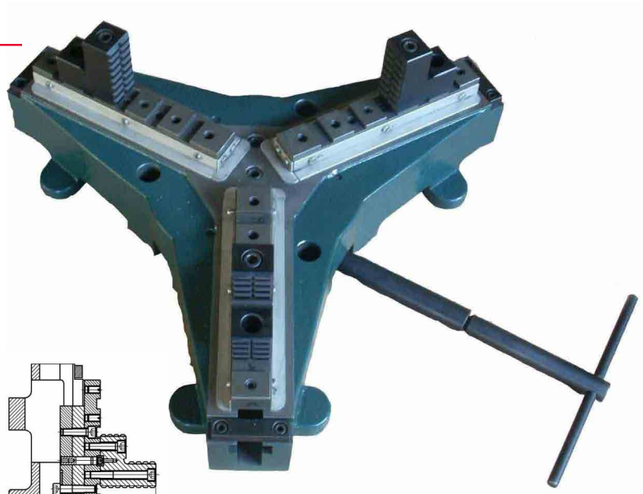
Chucks

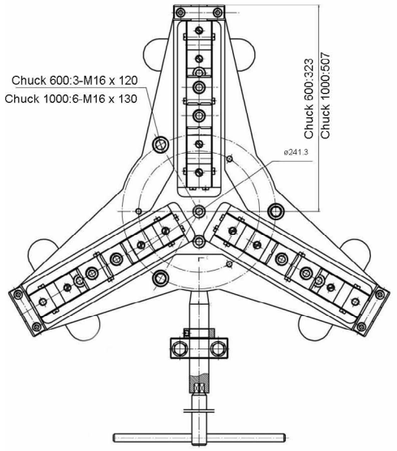
Three-jaw chucks with large tension

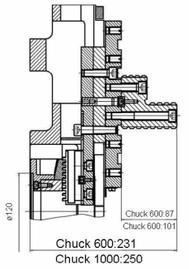
Three-jaw chucks – for heavy loads

Features

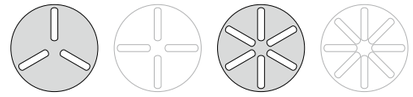
- Chuck for tensioning workpieces, especially for welding.
- Robust design.
- Closed housing.
- Jaws can be adjusted fast and easily to different diameters.







The jaw chuck of this series fit without modifications to the JAVAC rotary tables with three and six grooves.



Model	Chuck 1000	Chuck 1200	Chuck 1600
Tensioning range	50 - 1.000 mm	50 – 1.200 mm	50 – 1.600 mm
Mounting hole circle	350 mm	350 mm	515 mm
Hollow shaft	no	no	
Max. Load	2.000 kg	2.000 kg	3.000 kg
Weight	180 kg	220 kg	300 kg
Item no.	02.20.10.02100 (old: 02.20.10.01000	02.20.10.02120 (old: 02.20.10.01200)	02.20.10.02160

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Foot switch

Start/Stop, Potentiometric



Model	XF-3
Function	Start/Stop
Item no.	71801167 XF3



Model	XF-88
Function	Start/Stop
Item no.	71801167 XF88



Model	XF-89
Function	2x Start/Stop
Item no.	71801167 XF89



Model	Potentiometric
Function	Start/Stop, stepless control
Standard resistor	5 KΩ or 10 KΩ
Optional resistor	Specify desired value when ordering
Item no. 10 KΩ	243391015.0015
Item no. 5 KΩ	243391015.0017

All Foot switches will be delivered without cable

Support Block

Height-adjustable support block up to 1000 kg

Support block-EVR



Useful and versatile
EVR series can be adapted quickly to many workpiece diameters. Especially for circular weld seams and long workpieces the support block is almost indispensable.

Features

- Robust steel construction with polyurethan coated rolls.
- Quick and easy adjustment to different workpiece diameters.



High quality, polyurethan coated rolls.

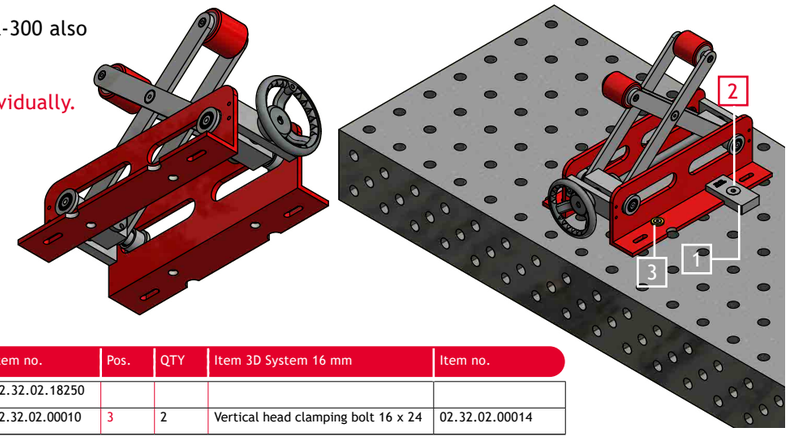
Model	EVR-300	EVR-500	EVR-700	EVR-1000
Workpiece diameter	30 – 320 mm	75 – 420 mm	75 – 700 mm	250 – 1100 mm
Max. load	300 kg	500 kg	500 kg	1000 kg
Rollers diameter	65 mm	80 mm	80 mm	150 mm
Rollers Wide	70 mm	100 mm	100 mm	130 mm
Centre height	500 mm	615 mm	670 mm	1100 mm
Weight	38 kg	47 kg	57 kg	256 kg
Item no.	02.20.12.10030 (old: 71850020)	02.20.12.10050 (old: 71850030)	02.20.12.10100 (old: 71850040)	02.20.12.10071 (old:71850050)

Support block-EVR-300 suitable for 3D table

Now we offer the support block EVR-300 also suitable for 3D tables.

We will be happy to advise you individually.

The EVR-300 has mounting holes at the bottom of the frame for fixing. Thanks to the special bolts, the roller support block can be attached very easily, quickly and safely.



Pos.	Qty	Item 3D System 28 mm	Item no.	Pos.	QTY	Item 3D System 16 mm	Item no.
1	1	Hold-down clamp EVR	02.32.02.18250				
2	2	Vertical head clamping bolt 28x50 mm	02.32.02.00010	3	2	Vertical head clamping bolt 16 x 24	02.32.02.00014

Turnrollers

Support Block TR-1000 kg

Useful and versatile
With Turnrollers of the TR series, it is very easy to position containers and pipes with a diameter of 80 mm to 700 mm and to weld circumferential seams. Due to the low initial costs, the purchase pays for itself in a very short time. With the help of a torch stand, the welding process can be further simplified and the welder can concentrate exclusively on controlling the welding process.



pic. TR-1000

Features

- Device for the turning and positioning of small tanks and cylindrical workpieces.
- Equipped with high performance PU coated metal roller to provide stable running
- DC infinitely variable speed control system (TR-1000)
- AC variable speed control system (TR-2000)
- Switch for cw/ ccw rotation, foot switch for start/stop functions.
- High frequency protection

Model	TR-1000 complete
Max Load	1000kg
Pipe Diameter Range	Ø 80-700mm
Rotation Speed	80 - 1600mm/min
Rotation Power	DC 0,12 kW
Roller Size	Ø250x50mm
Roller Material	Steel coated with PU
Measurement (L x W x H) mm	500x300x384mm (Driver) 500x160x384mm (Idler)
Weight (complete)	85 kg
Item no.	02.30.10.20100

Scope of delivery TR-1000:
1 Drive unit with control (integrated)
1 Idler
1 Foot switch
Optional:
1 Idler



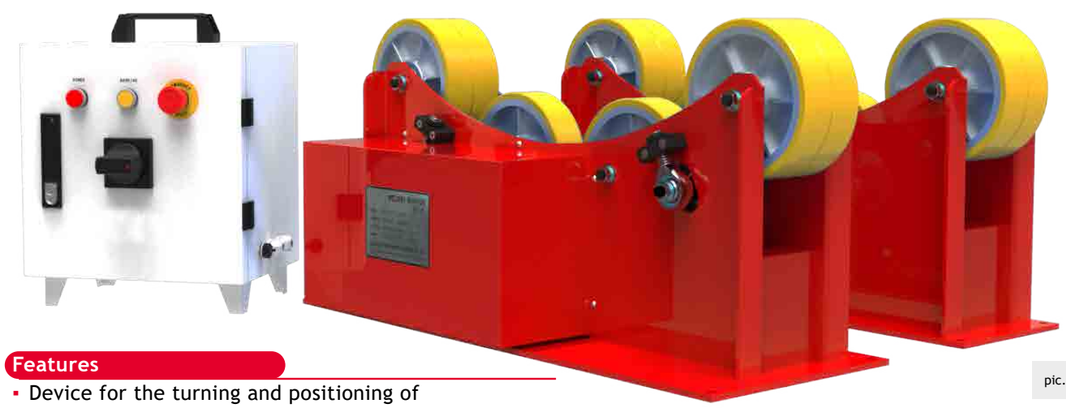
Modell	TR-1000 Idler
Load	500 kg
Workpiece Diameter	Ø 80-700mm
Weight	33 kg
Measurement (L x W x H)	500x160x384mm
Item no.	02.30.10.20102

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Turnrollers

Support Block TR-2000

Useful and versatile
With Turnrollers of the TR series, it is very easy to position containers and pipes with a diameter of 80 mm to 2200 mm and to weld circumferential seams. Due to the low initial costs, the purchase pays for itself in a very short time. With the help of a torch stand, the welding process can be further simplified and the welder can concentrate exclusively on controlling the welding process.


pic. TR-2000

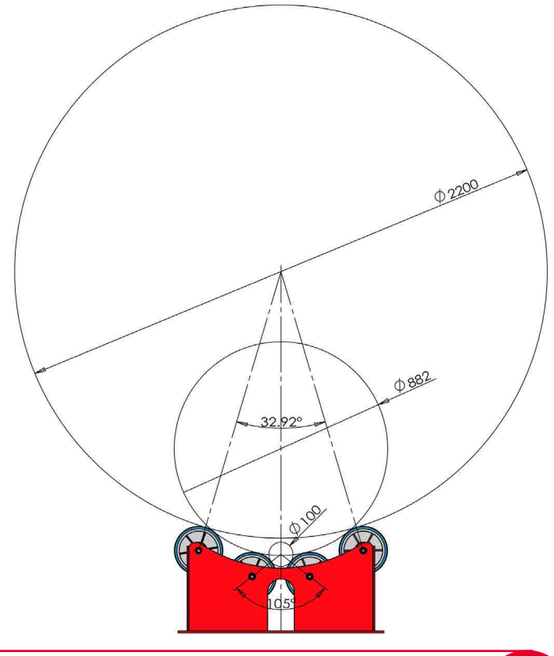
Features

- Device for the turning and positioning of small tanks and cylindrical workpieces.
- Equipped with high performance PU coated metal roller to provide stable running
- DC infinitely variable speed control
- AC variable speed control system
- Switch for cw/ccw rotation, foot switch for start/stop functions.
- High frequency protection

Model	TR-2000 complete
Max Load	2000kg
Pipe Diameter Range	Ø 100 - 2200 mm
Rotation Speed	150 - 1500 mm/min
Rotation Power	AC 0.37
Roller Size	Ø250x50 mm (12 Roller)
Roller Material	Steel coated with PU
Measurement (L x W x H) mm	850x330x440 mm (Driver) 850x230x440 mm (Idler)
Weight (complete)	175 kg
Item no.	02.30.10.20200

Modell	TR-2000 Idler
Load	1000 kg
Workpiece Diameter	Ø 80-700mm
Weight	80 kg
Measurement (L x W x H)	850x230x440 mm
Item no.	

Scope of delivery TR-2000:
1 Drive unit with control system
1 Idler
1 Remote control

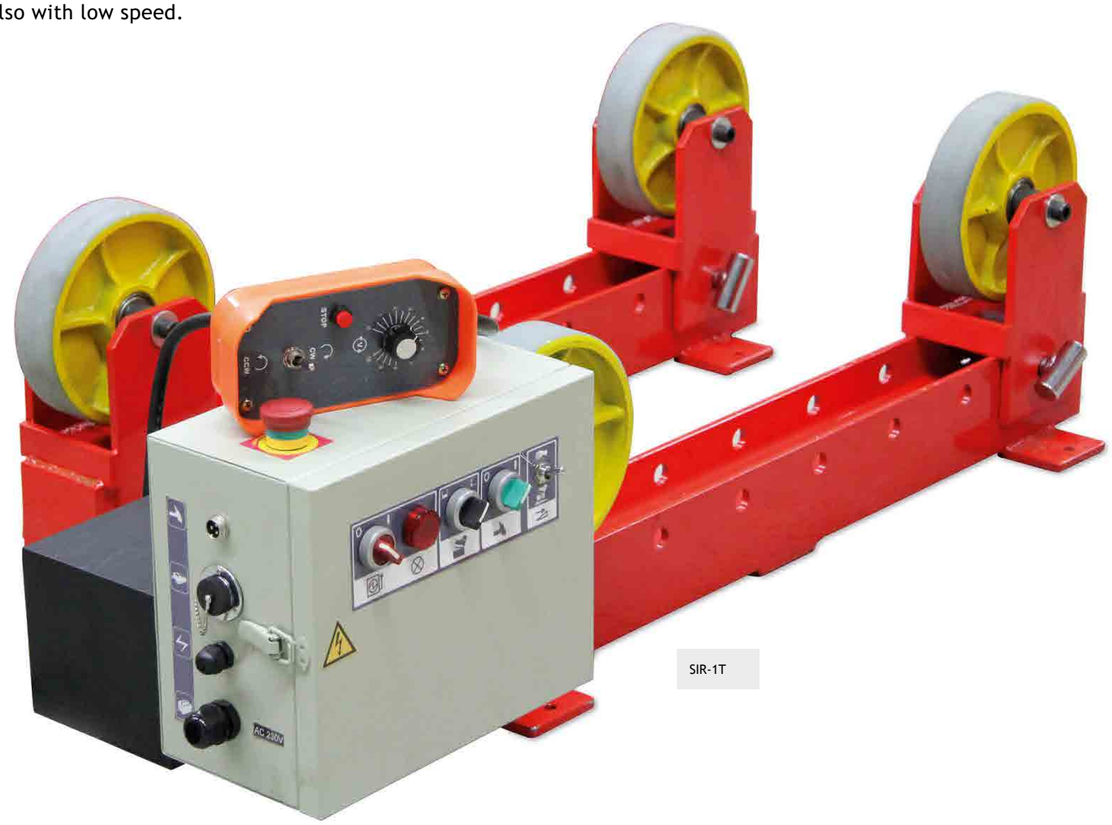


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Turnrollers

Roller Block up to 3 t – SIR

Perfect girth welds
The SIR series covers many workpiece diameters. The distance between the rolls can be increased or reduced via plug connection. The strong drive unit allows a smooth and continuous turning movement also with low speed.



SIR-1T

Model	SIR-1T	SIR-3T
Supply voltage	AC 230 V/50 Hz	AC 230 V/50 Hz
Max. load	1 t	3 t
Workpiece diameter	50 – 1.500 mm	150 – 2.000 mm
Roller speed	180 – 1.800 mm/min.	120 – 1.200 mm/min.
Roller size	200 x 50 mm	250 x 75 mm
Max. thermal loading	bis 80°C	bis 80°C
Weight	100 kg	154 kg
Measurements (L x W) mm	950 x 344	1.510 x 250 mm
Item no.	02.30.10.00110 (old: 71821160)	02.30.10.00130 (old: 71821161)

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Turnrollers

Roller Block up to 3 t – SIR

Features

- Consisting of drive unit and idler unit.
- Smooth and continuous turning movement also at low speed.
- PU-rollers.
- Container diameter is fast and easily adjustable via plug connection.
- Hand-held remote control (3m) for the adjustment of speed and cw/ccw movement.
- Foot switch.
- Compact and robust design; easy to operate.

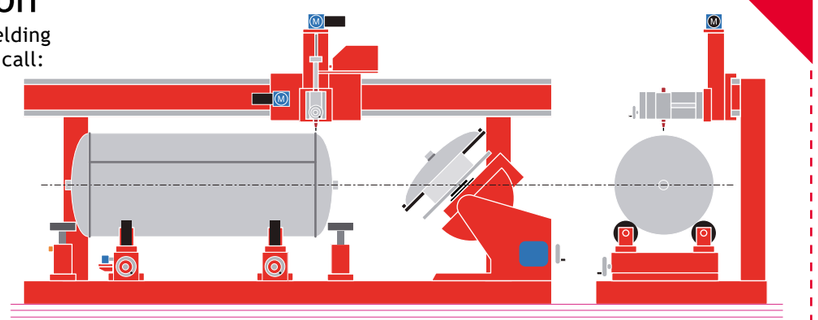


SIR-5T

Scope of delivery:
1 Control unit (integrated)
1 Foot switch
1 Cable remote control

Individual Solution

We configurate your circular welding unit individually. Just give us a call:
+497331/3058-0



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Turnrollers

Roller block series HGK up to 1000 t

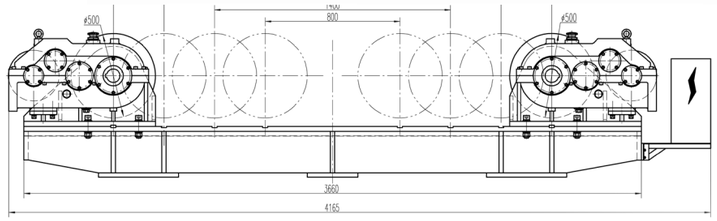
Stable turning
The HGK series has two synchronous drive units that provide continuous rotation with infinitely variable speed control. The distance between the rollers can be increased and decreased manually by means of bolts in order to achieve a large diameter range of the workpieces.

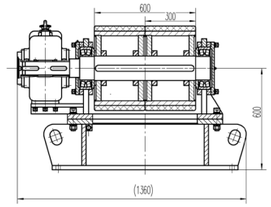


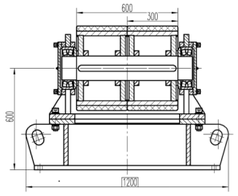
Features

- For turning and positioning workpieces in the sections of mechanical engineering, container building, plant construction and pipeline construction.
- With two synchronous driven motors.
- Adjustable rotating speed.
- PU-Rolls.
- The adustment is via bolts
- Remote control

Scope of delivery:
1 Remote control

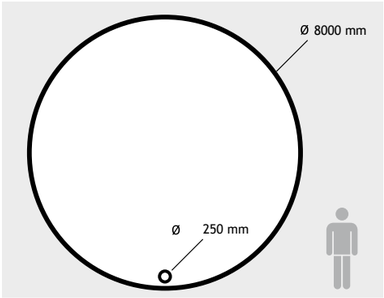






HGK-150

The HGK-Series:
For Workpiece diameter
from 250 mm up to 8.000 mm



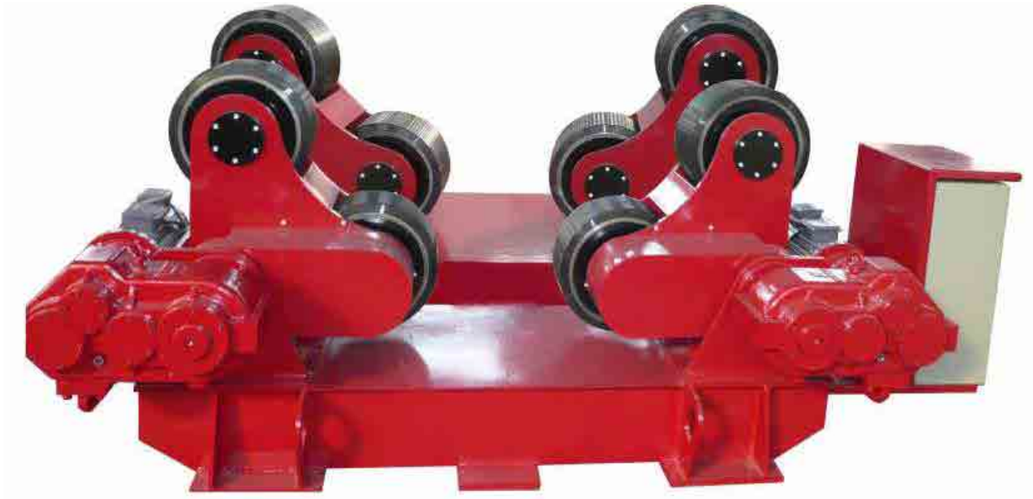
Model	Speed	Max. Load	Workpiece diameter	Motor (Kw) Power	rubber diameter	rubber rollers width	Item no.
HGK-5	6 - 60 m/h	5.000 kg	250 – 2.800 mm	2 x 0,37	250 mm	120 mm	02.20.10.10150
HGK-10		10.000 kg	300 – 3.200 mm	2 x 0,55	300 mm	130 mm	02.20.10.11100
HGK-20		20.000 kg	500 – 4.500 mm	2 x 1,1	350 mm	180 mm	02.20.10.11200
HGK-40		40.000 kg	500 – 5.000 mm	2 x 1,5	400 mm	220 mm	02.20.10.11400
HGK-60		60.000 kg	800 – 6.000 mm	2 x 2,2	450 mm	2x 180 mm	02.20.10.11600
HGK-80		80.000 kg	800 – 6.000 mm	2 x 3	450 mm	2x 180 mm	02.20.10.11800
HGK-100		100.000 kg	800 – 6.000 mm	2 x 3	500 mm	2x 200 mm	02.20.10.12000
HGK-160		160.000 kg	800 – 6.000 mm	2 x 4	550 mm	200 mm	
HGK-200		200.000 kg	800 – 6.500 mm	2 x 4	650 mm	250 mm	
HGK-250		250.000 kg	800 – 6.500 mm	2 x 5,5	650 mm	250 mm	
HGK-300		300.000 kg	800 – 6.500 mm	2 x 5,5	700 mm	300 mm	
HGK-500		500.000 kg	1.000 – 8.000 mm	2 x 7,5	750 mm	350 mm	
HGK-800		800.000 kg	1.000 – 8.000 mm	2 x 15	850 mm	400 mm	
HGK-1000		1.000 000 kg	1.000 – 8.000 mm	2 x 18,5	900 mm	500 mm	

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Turnrollers

Roller block HGZT with 2 AC-Motors to 150 t

Self-centring
The HGZT series has two synchronously operating drive units that provide continuous rotation with infinitely variable speed control. The roller spacing is self-centring and the rollers align with the diameter of the workpiece.



Features

- For turning and positioning workpieces in the sections of mechanical engineering, container building, plant construction and pipeline construction.
- With 2 AC motors
- Self centring wheel distance
- Automatic adaptation to the workpiece for different diameters
- With two synchronous driven motors.
- Adjustable rotating speed.
- PU-Rolls.
- Remote control

Scope of delivery:
1 Remote control

Model	Speed	Max. Load	Workpiece diameter	Motor (Kw) Power	rubber diameter	rubber rollers width	Item no.
HGZT-5	6 - 60 m/h	5.000 kg	250 – 2.500 mm	2 x 0,37	250 mm	100 mm	02.20.10.20150
HGZT-10		10.000 kg	320 – 3.200 mm	2 x 0,55	300 mm	120 mm	02.20.10.20100
HGZT-20		20.000 kg	500 – 3.800 mm	2 x 1,1	350 mm	150 mm	02.20.10.20200
HGZT-40		40.000 kg	600 – 4.500 mm	2 x 1,5	400 mm	160 mm	02.20.10.20400
HGZT-60		60.000 kg	750 – 5.000 mm	2 x 2,2	450 mm	180 mm	02.20.10.20600
HGZT-80		80.000 kg	850 – 5.500 mm	2 x 3	450 mm	240 mm	02.20.10.20800
HGZT-100		100.000 kg	1.000 – 6.300 mm	2 x 3	500 mm	240 mm	02.20.10.21000
HGZT-150		150.000 kg	1.000 – 6.300 mm	2 x 4	500 mm	300 mm	

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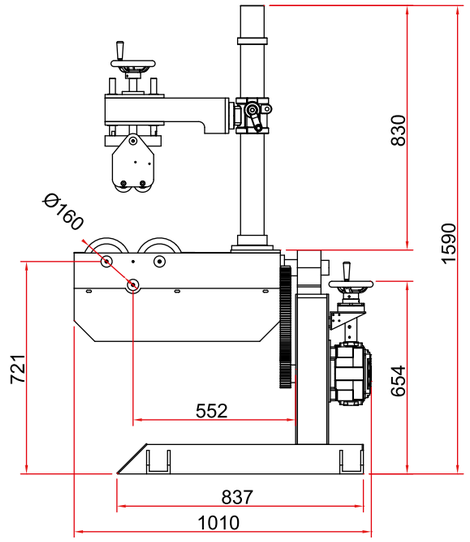
Pipe Processing Unit

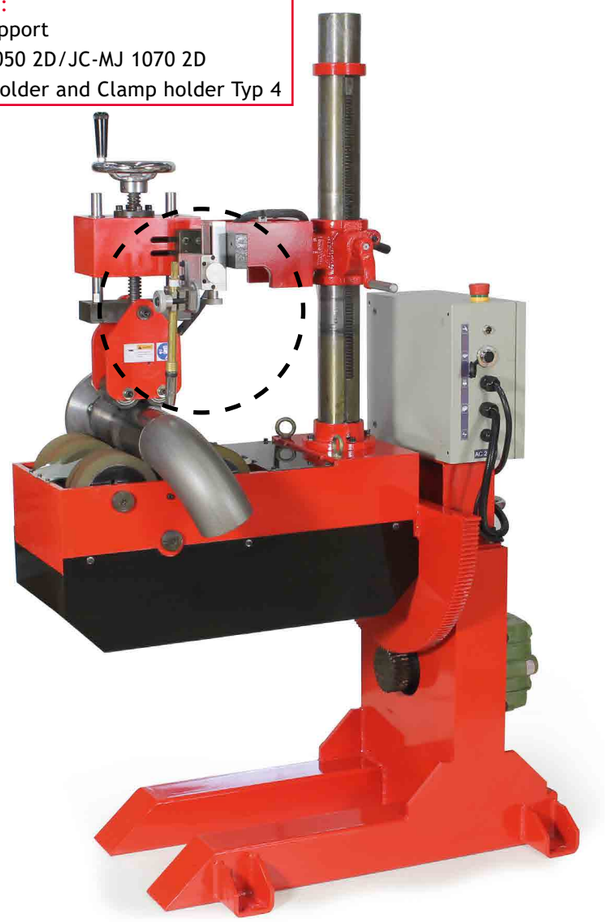
GK-200 and GK-400

Features

- Stable and compact construction.
- Welding, cutting and grinding possible.
- Clamping of a multitude of pipes. Also suitable for tube bends and pipes with flange.
- Fast and precise clamping without jaw chucks.

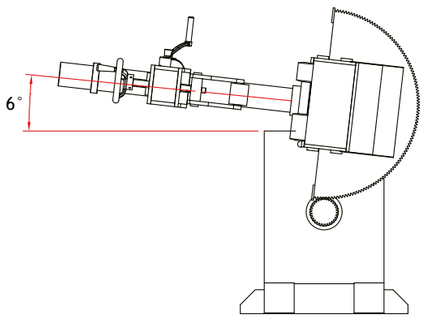
Optional:
Cross Support
JC-MJ 1050 2D/JC-MJ 1070 2D
+ Torchholder and Clamp holder Typ 4





Model	GK-200	GK-400
Supply voltage	AC 230 V/50 Hz	3-phasig AC 380 V/50 Hz
Max. Load	200 kg	800 kg
Workpiece diameter	60 – 300 mm	60 - 400 mm
Workpiece length	over 400 mm	over 480 mm
Speed	190 ~ 1900 mm/min.	120 ~ 1200 mm/min.
Torque	109.8 Nm	600 Nm
Tilting moment	1,516.0 Nm	1,880 Nm
Tilting range	+ / - 80°	+ / - 45°
Tilting centre height	720 mm	820 mm
Speed adjustment	Inverter	
Power	100 W	DC 400 W
Size (L x B x H) mm	1010 x 646 x 1590	
Weight		
Item no.	02.30.20.00100	

Scope of delivery:
1 Control (integrated)
1 Cable remote control



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Stands

Torch Stand TE

Best torch position
The torch stands TE-XYR can easily be screwed to different grounds. The torch can easily be brought into the best horizontal or vertical position via the two handwheels.



Features

- Torch positioning via handwheel (vertically/horizontally).
- Torch holder with lever.
- Easy assembly.
- High stability.


TE-XYR10


TE-XY30R


TE-X30YR

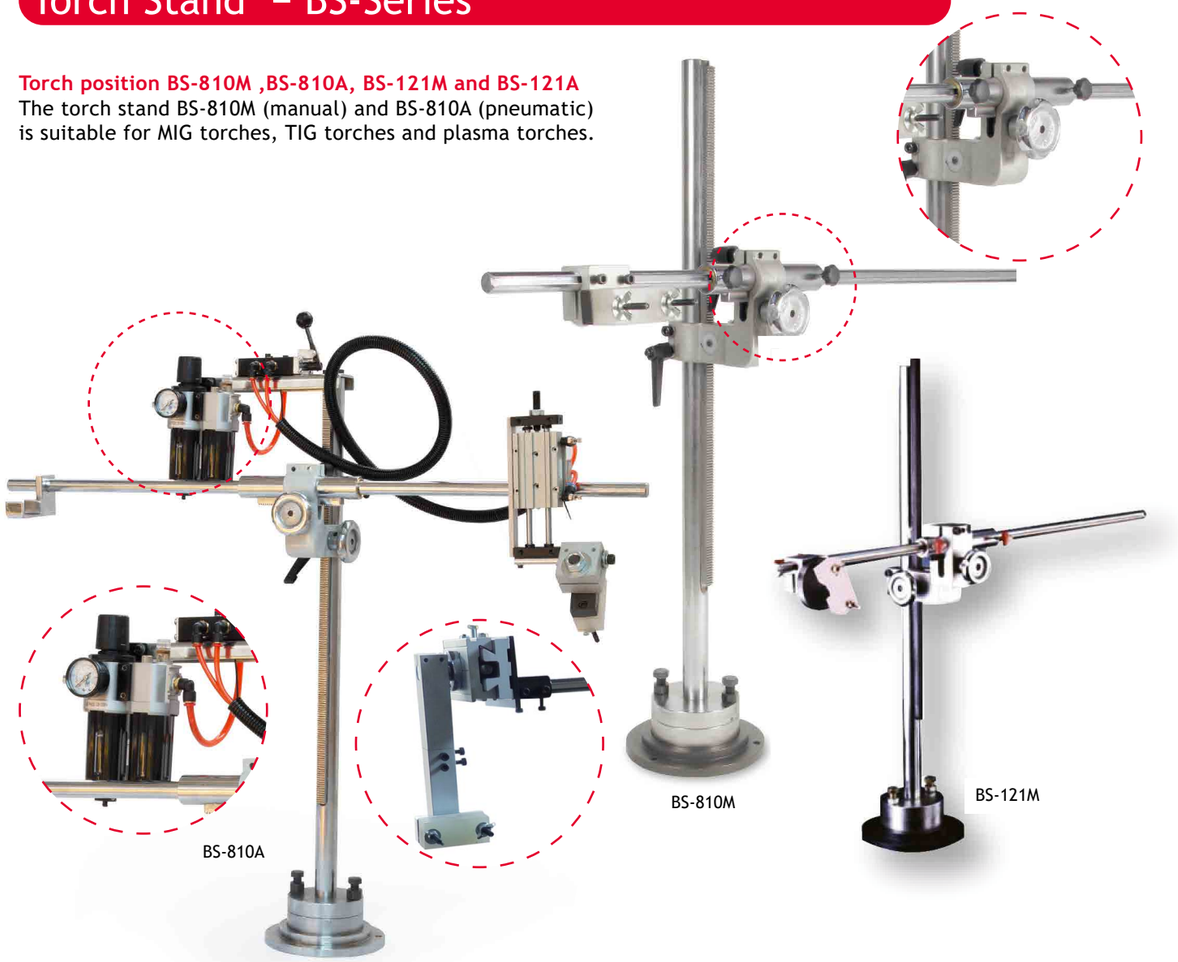

TE-XYR30

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Stative

Torch Stand – BS-Series

Torch position BS-810M ,BS-810A, BS-121M and BS-121A
The torch stand BS-810M (manual) and BS-810A (pneumatic) is suitable for MIG torches, TIG torches and plasma torches.

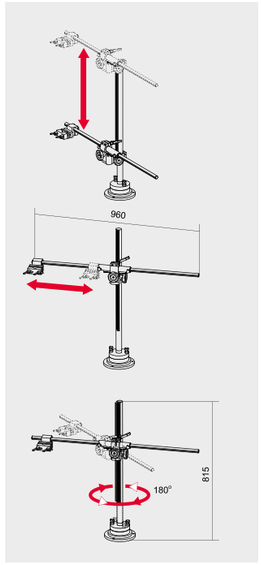


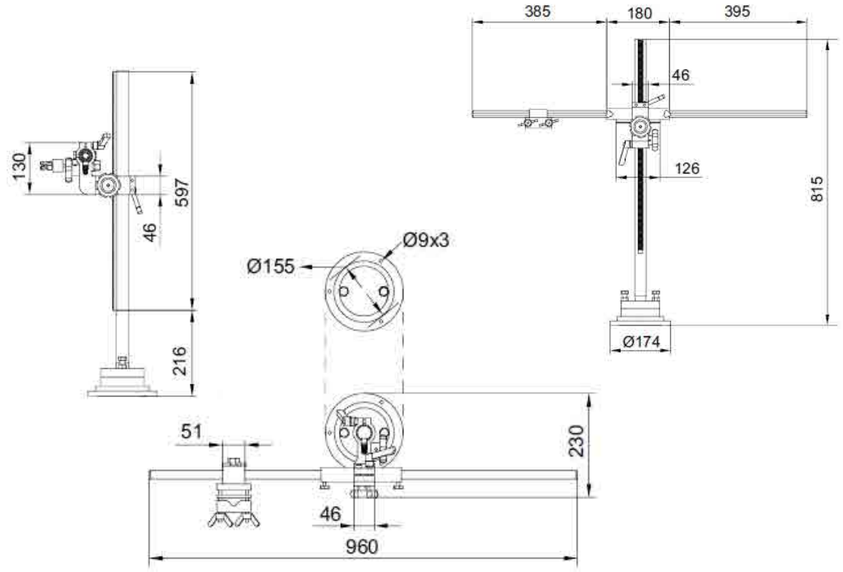
Model	BS-810M	BS-810A	BS-1210M	BS-1210A
Stand horizontal movement	700 mm		750 mm	
Stand horizontal operation	manually		manually	
Stand vertical movement	500 mm		850 mm	
Stand vertical operation	manually	manually	manually	manually
Stand angle of tilt	360°			
Max. load boom end	8 kg			
Torch angle of tilt	180°			
Torch Setting cylinder Stroke	none	50 mm	none	50 mm
Torch Setting Operation	none	manual pneumatic valve	none	manual pneumatic valve
Measurem. (L x W x H) mm	960x230x815 mm	960x480x815 mm	960 x 230 x 1215 mm	960x480x215 mm
Total weight	18 kg	20 kg	23 kg	25 kg
Item no.	02.20.14.10110 (old: 71801118.BS810M)	02.20.14.10112 (old: 71801118.BS810A)	02.20.14.00210	02.20.14.00222
Optional	Torch slide (Item no.: 02.20.16.10077)			

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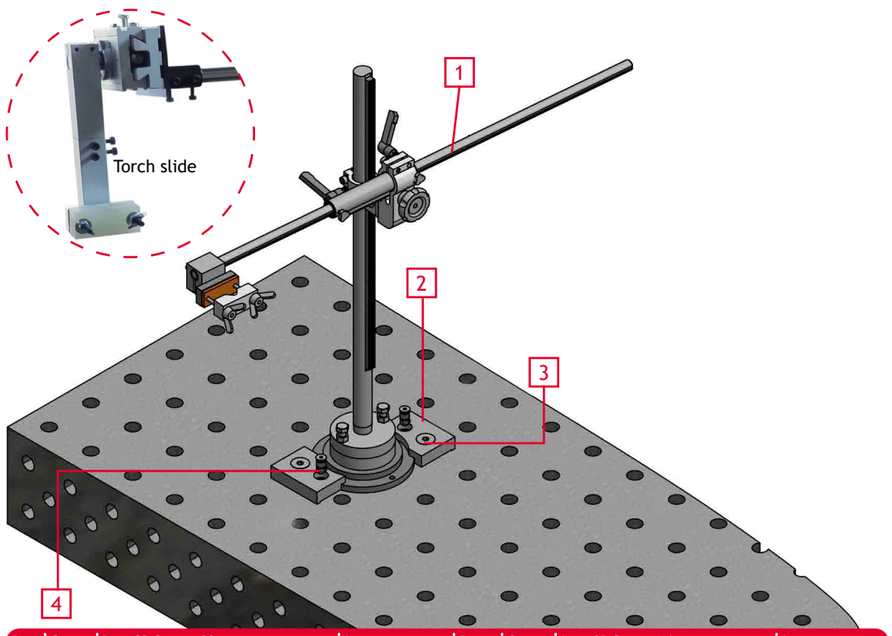
Stative

Torch Stand – BS-Series





Torch Stand BS series suitable for 3D modular systems



Pos.	Qty	Item 3D System 28 mm	Item no.	Pos.	Qty	Item 3D System 16 mm	Item no.
1	1	Torch Stand BS-810M	02.20.14.10110				
2	1	Depressor BS	02.32.02.18250				
3	2	Countersunk clamping bolt 28x50 mm	02.32.02.00010	4	2	Countersunk clamping bolt 16 x 24	02.32.02.00014

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Welding Masts

Manually adjustable – BS-106 M

Vertical movement: **700 mm**

Rotating: **manually**

Horizontal movement: **700 mm**

Max. load boom end: **30 kg**



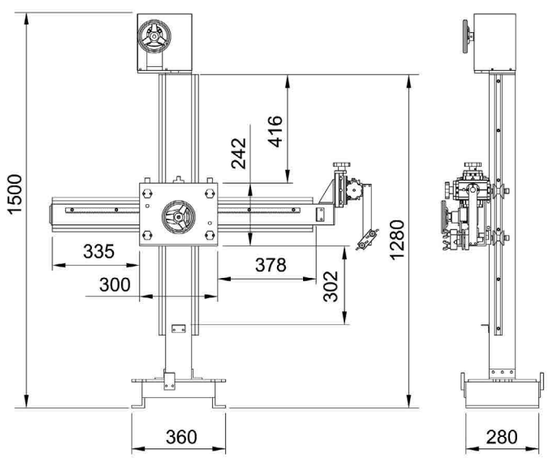
Features

- Pivotable through 360°.
- Torch positioning via handwheel (vertically/horizontally).
- Torch holder with lever.
- High stability.
- Guidance via linear slide and cross slide.
- Carriage with 2 brakes (handwheel).

Welding can be so easy

The individual positioning of torches can be so easy! Welding heads and torches up to 30 kg can mounted on the boom head of the BS-106 M. Especially for neat and smooth orbital welding torch stands are more than interesting. Combined with a turntable or a roller block, girth weldings can be done so easily.

Model	BS-106M
Stand angle of tilt	180°
Max. load boom end	30 kg
Torch angle of tilt	180°
Torch horizontal movement	75 mm
Torch vertical movement	75 mm
Measurem. (L x W x H) mm	1255 x 392 x 1500
Item no.	02.30.30.10010 (old: 91812040)



Optional accessories	Item no.
Carriage	02.30.92.00110 (old: 91812044)
Rail (1m)	02.30.92.00100 (old: 91812042)
Pneumatic torch holder with service unit and lever	91812046

Welding Masts

Manually adjustable – TE-120 / TE-120 BT SPS

Vertical movement: **1200 mm**

Rotating: **motor driven**

Horizontal movement: **1200 mm**

Max. load boom end: **30 kg**

For challenging welding jobs

You will reach undreamed heights with Javac welding masts without spending a fortune. Choose a TE manipulator out of our lightweight series or a

heavy-duty TEA for highest demands.

All our manipulators are extremely solid, move with infinitely adjustable speed and are equipped with drop protection.



Features

- Pivotable through 180°.
- Motor-driven torch positioning (vertically/horizontally).
- Torch holder with lever.
- Easy assembly.
- High stability.
- Guidance via linear slide and cross slide.

Model	TEA-120 Series
Horizontal speed	150 – 1.500 mm/min.
Vertical speed	800 mm/min.
Rotating angle	90°
Rotating	manually
Torch horizontal movement	75 mm
Torch vertical movement	75 mm
Measurem. (L x W x H) mm	1690 x 920 x 2048
TEA-120 BT Item no.	02.30.30.10120 fix on the ground
TEA-120 TC Item no.	02.30.30.10121 moveable on rail
TEA-120 TCM Item no.	motorised on rail





Scope of Delivery:
1 Control
1 Cable remonte control

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Welding Masts

Motor-adjustable – TEA Serie

Vertical movement:
mm 2000

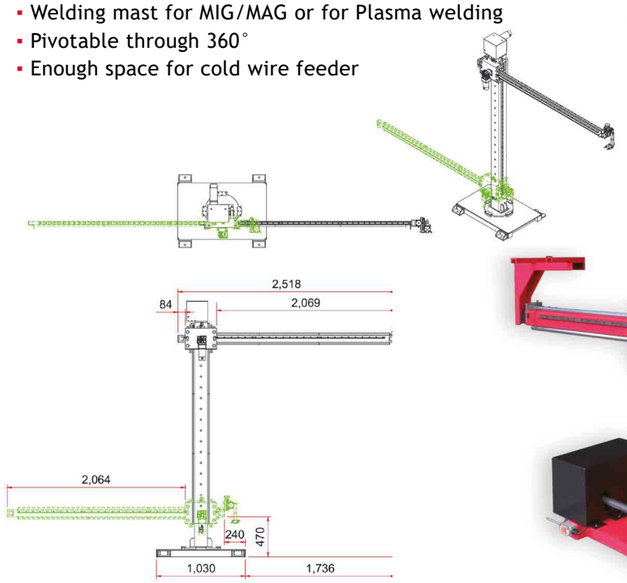
Rotating:
manuell /motor driven

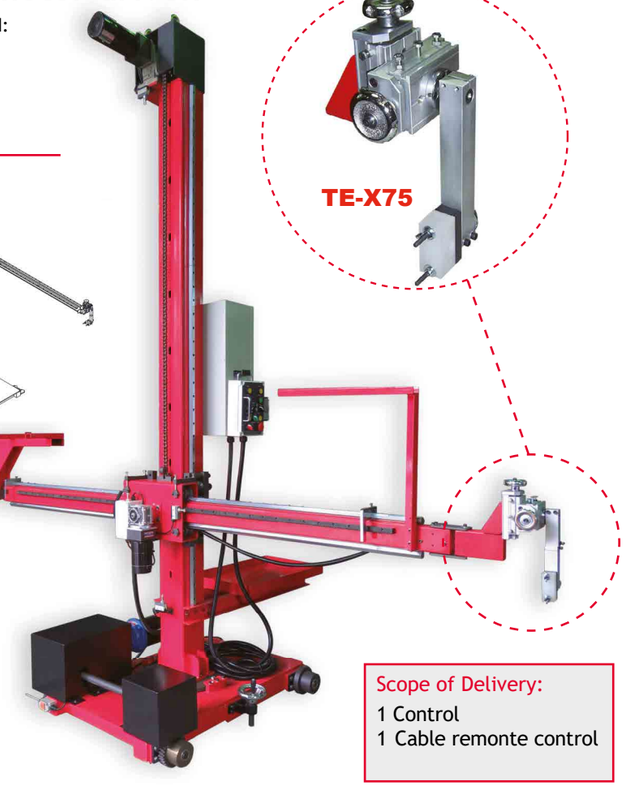
Horizontal movement:
mm 2000

Max. load boom end:
kg 30

Features

- Welding mast for MIG/MAG or for Plasma welding
- Pivotable through 360°
- Enough space for cold wire feeder





Scope of Delivery:
1 Control
1 Cable remonte control

Model	TEA-200BP	TEA-200TC	TEA-200TCM
Supply voltage	AC220V12A/50;60Hz /1Ø		AC220V /20A/50;60Hz /1Ø
Horizontal lift	2000 mm		
Horizontal speed	50-1500 mm/min.		
Horizontal drive	DC100W DC Motor		
Vertical lift	2000 mm		
Vertical speed	800 mm/min.		
Vertical drive	DC150W DC Motor		
Max. load boom end	30 Kg		
Angle of rotation tree	360°		
Rotary drive	Push boom		
Instalation	on the floor	on rail	
Operation	N/A	manually	motor
Movement speed of carriage	N/A		120-1200 mm/min
Carriage drive	N/A		DC400W DC Motor
Item no.	02.30.30.10200	02.30.30.10210	02.30.30.10230
Item no. SPS	02.30.30.10202	02.30.30.10212	02.30.30.10232

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Welding Masts

JAVAC DEUTSCHLAND

Medium/Heavy version – TEA-3030 and TEA 4040

Vertical movement:
4.000 mm

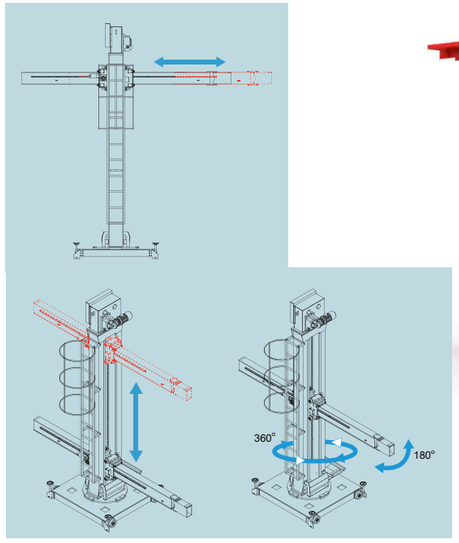
Rotating:
motor driven

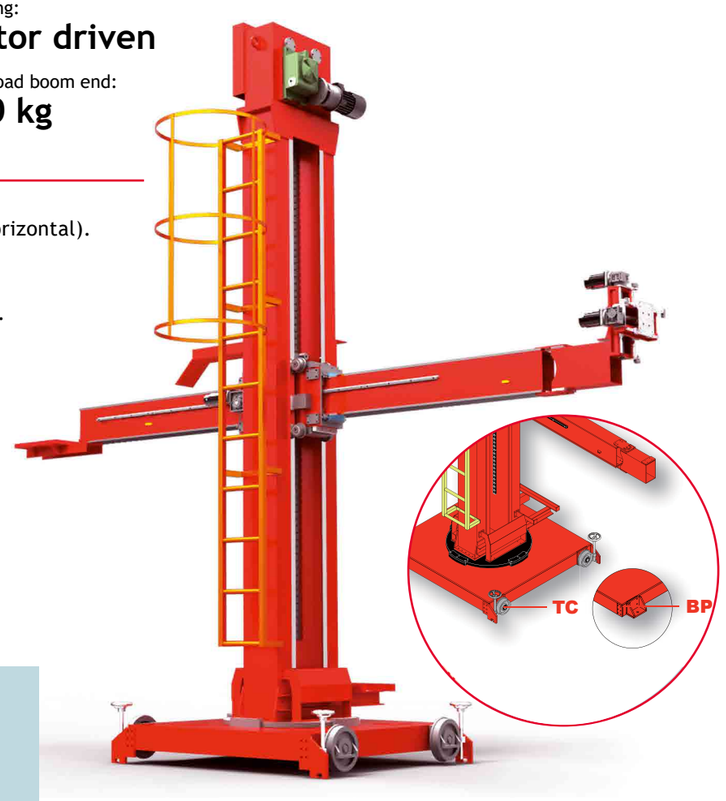
Horizontal movement:
4.000 mm

Max. load boom end:
120 kg

Features

- Pivotable through 180°.
- Torch positioning motorized (vertical/horizontal).
- Simple assembly.
- High stability.
- Guided by linear slide and cross support.





Scope of Delivery:
1 Control
1 Cable remonte control

Model	TEA-3030BP	TEA-3030TC	TEA-4040BP	TEA-4040TC
Boom Horizontal Stroke	3000 mm		4000 mm	
Boom Horizontal Speed	150 - 1500 mm/min.			
Arm Rotation Angle	180°			
Boom Vertical Stroke	3000 mm		4000 mm	
Boom Vertical Speed	800 mm/min.			
Boom End Max. Load	120 Kg			
Column Rotation Angle	360°			
Column Rotation Drive	Pushing of Boom			
Installation	On the ground	On the track	On the ground	On the track
Movement	N/A	Pushing of Column	Pushing of Column	
Track Type	N/A	15 kg Rail	N/A	15 kg Rail
Control	Hand Remote Box / The wire is 10M Cable			
Power	V1: AC220V/12A/60HZ/3phase V2 : AC380V/10A/50HZ/3phase V3 : AC440V/10A/60HZ/3phase			

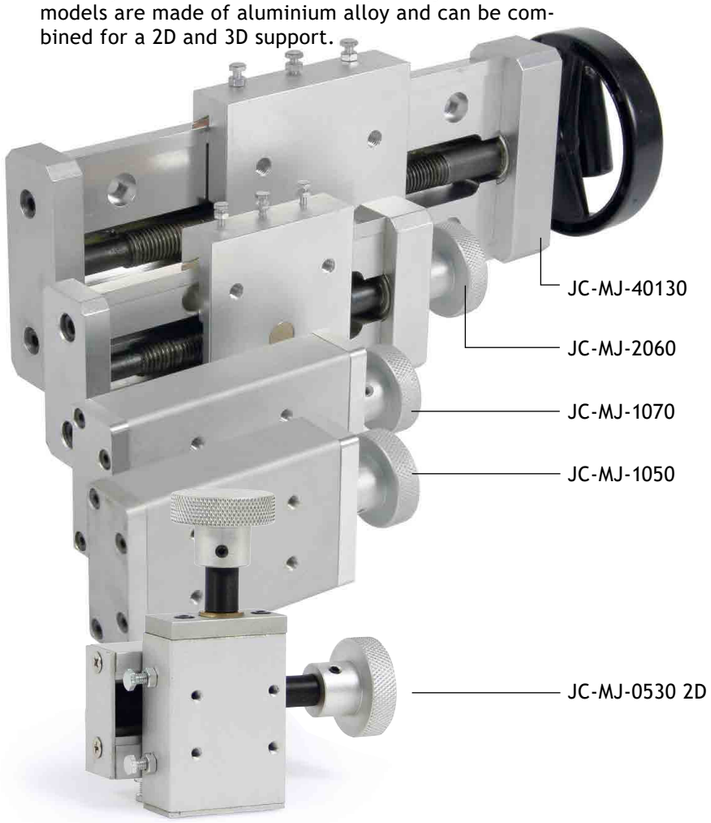
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Supports

Manual slides + torch holders

Accurate and flexible

JC-MJ series of precision guidances is designed for a manual fine adjustment of the torch. These are predominantly used with welding tractors and automatic welding devices. Using these precision guidances, you will receive more flexibility, positioning is more accurate and fast. Thus, your product quality will be increased. They are easy to install and comfortably to adjust. All JC-MJ models are made of aluminium alloy and can be combined for a 2D and 3D support.





1D, 2D and 3D examples

MJ series can be combined with different torch holders and connections.

Possible for MIG/MAG-, TIG-, Plasma-, SAW- and CNC-cutting torches.



JC-MR 60 rotating element Axis of rotation: 360°; Load: 5 kg



ED-MR90 rotating element
Axis of rotation: 360°, Load: 40 kg

Model	Item no.
JC-MR 60	02.20.18.00110 (old: 72202408)
JC-ED-MR90	02.20.18.00114 (old: 72202410)

Model	Item no.	Lift	Load
JC-MJ-0530 2D	02.20.16.00032 (old: 72202022)	á 30 mm	5 kg
JC-MJ-1050 1D	02.20.16.00050 (old: 72202030)	50 mm	10 kg
JC-MJ-1050 2D	02.20.16.00052 (old: 72202032)	á 50 mm	10 kg
JC-MJ-1050 3D	02.20.16.00054 (old: 72202034)	á 50 mm	10 kg
JC-MJ-1070 1D	02.20.16.00070 (old: 72202050)	70 mm	10 kg
JC-MJ-1070 2D	02.20.16.00072 (old: 72202052)	á 70 mm	10 kg
JC-MJ-1070 3D	02.20.16.00074 (old: 72202054)	á 70 mm	10 kg
JC-MJ-2060 1D	02.20.16.00260 (old: 72202060)	60 mm	20 kg
JC-MJ-2060 2D	2x 02.20.16.00260 (old2x 72202060)	á 60 mm	20 kg
JC-MJ-40130 1D	02.20.16.04130 (old: 72202130)	130 mm	40 kg

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Supports

Manual slides + torch holders



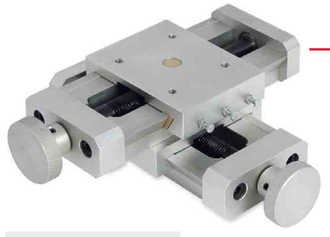
JC-MJ1050 1D/JC-MJ1070 1D



JC-MJ1050 2D/JC-MJ1070 2D



JC-MJ2060 1D



JC-MJ2060 2D



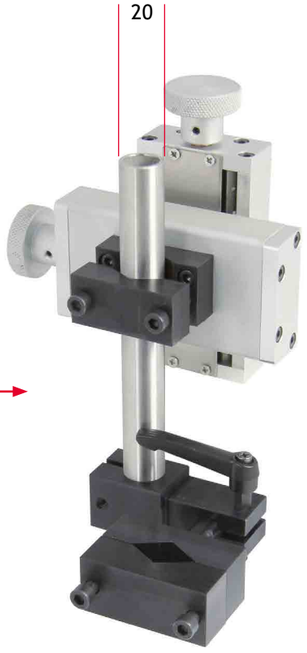
TC-H small*



TC-2R



TC-H Large**



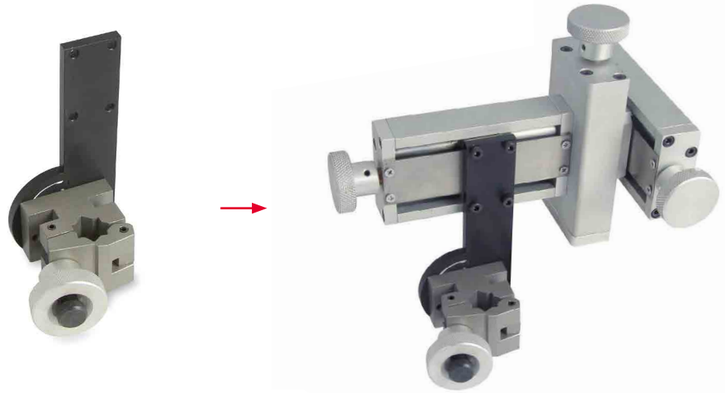
Pipe model TC-P

Model	Item no.	Pipe diameter Ø
TC-H small	02.20.08.00114 (old: 72202210)	17 ~ 20 mm
TC-H large	02.20.08.00118 (old: 72202212)	17 ~ 30 mm
TC-2R	02.20.08.00122 (old: 72202215)	20 mm
TC-P	02.20.08.00026 (old: 72202220)	20 mm

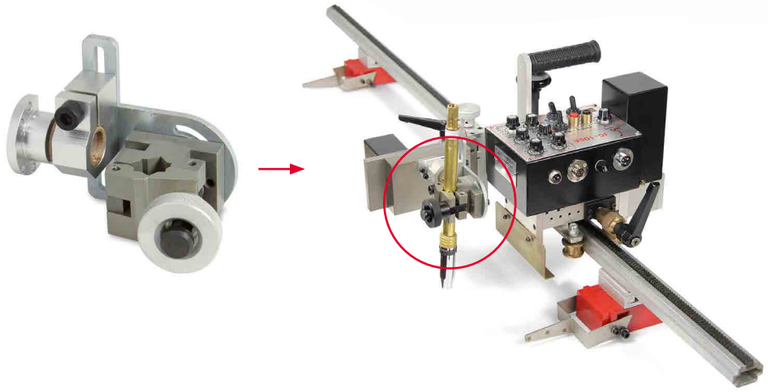
* for model range JC-MC1050
** for model ranges JC-MC1070, JC-MC2060 and JC-MC40130

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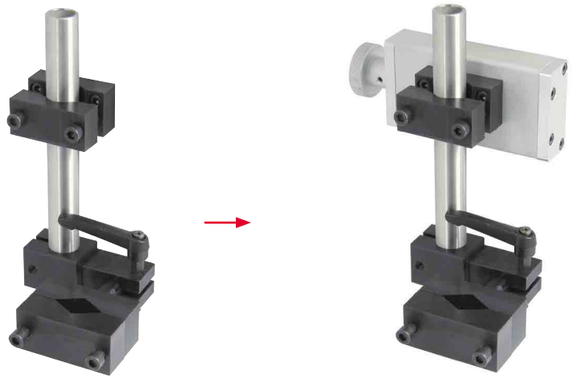
Manual slides + torch holders



Clamp mounting Type 2
example of use with
ED-MJ1050 3D



Clamp mounting Type 3
example of use on
MIG-Traktor mounted



Clamp mounting Type 4
example of use with
ED-MJ1050 1D

Model	Item no.	Pipe diameter Ø
Clamp mounting Type 2	02.20.08.00020 (old: 72202042)	17 ~ 20 mm
Clamp mounting Type 3	02.20.08.00030 (old: 72202044)	17 ~ 20 mm
Clamp mounting Type 3	02.20.08.00040 (old: 72202046)	17 ~ 20 mm

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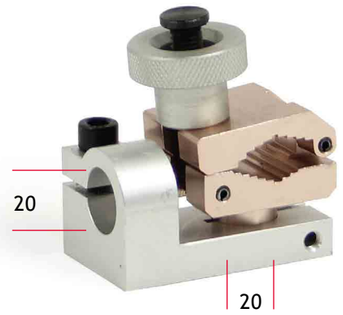
Supports

Manual slides + torch holders



RAC 120

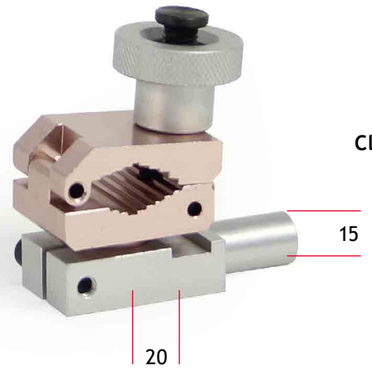
Model	RAC 120
Bar Ø	20 mm
vertical movement	120 mm
Weight	1 kg
Item no.	72202250



Clamp mounting Type 5



Clamp mounting Type 3
also fitting for RAC 120



Clamp mounting Type 6

Model	Clamp mounting Type 5
Pipe uptake Ø	20 mm
Pin Ø	15 mm
Item no.	02.20.08.00050 (old: 72202047)

Model	Clamp mounting Type 6
Pipe uptake Ø	20 mm
Item no.	02.20.08.00060 (old: 72202048)

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Supports

Cross support with torch holder

Features

- Horizontal and vertical movement 75 mm.
- Pivotable torch holder (180°).
- Suitable for linear and girth welding.
- Cross support with handwheel for manual adjustment of the torch position.



Model	TE-X75
Max. load	6 kg
Torch angle of tilt	180°
Torch horizontal movement	75 mm
Torch vertical movement	75 mm
Measurements L x W x H (mm)	171 x 201 x 334
Weight	5,8 kg
Item no.	71821220

Mechanized height scanner

Features

- Mounted in spring bearings.
- Scans the workpiece surface.
- Torch distance remains unchanged.
- Suitable for linear and girth welding.
- Cross support with handwheel for manual adjustment of the torch position.



Model	TE-WL01
Max. Load	30 kg
Torch angle of tilt	180°
Torch horizontal movement	75 mm
Torch vertical movement	75 mm
Height scanning	Gravity
Scan lifting	25 mm
Measurements L x W x H (mm)	465 x 175 x 450
Weight	4,8 kg
Item no.	02.20.18.10010 (old:71802014.0010)

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Supports

Voltage-controlled height scanner AVC-101

Features

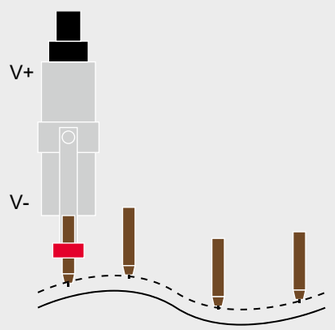
- DC-TIG pulse (pulse frequency not <10 Hz)
- Can be used for DC-TIG and DC-Plasma welding
- Horizontal and vertical movement 150 mm.
- Pivotable torch holder (180°).
- Suitable for linear and girth welding.
- Cross support with handwheel for manual adjustment of the torch position.
- Welding voltage sensibility can be infinitely adjusted from 0.1 – 0.5 V.



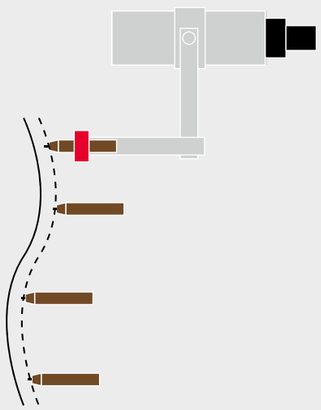
Model	AVC-101
Supply voltage	AC 230V / 4A
Max. load	6 kg
Torch horizontal movement	150 mm
Torch vertical movement	150 mm
Measurements L x W x H (mm)	171 x 201 x 334
Item no.	02.20.24.10010 (old: 71821250)

Scope of delivery:
1 Control unit
1 Foot switch

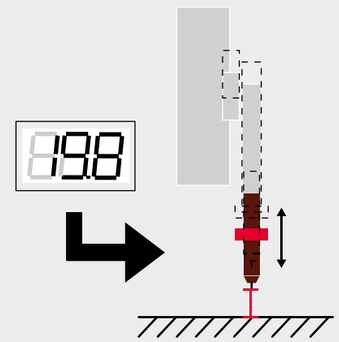
horizontal



vertical



Constant voltage or constant distance adjustable

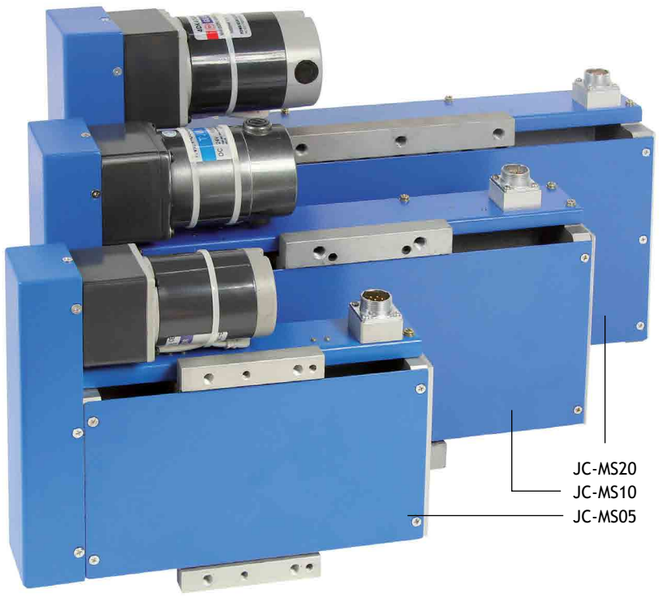


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Electrical Support

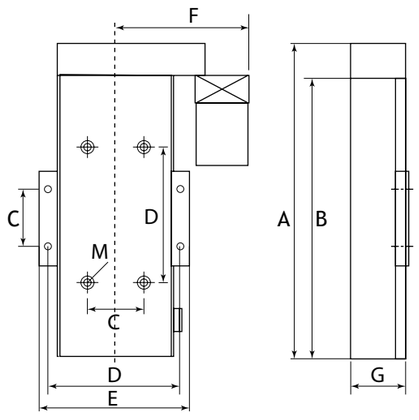
Electric Linear Slide JC-MS

The slides with their robust aluminium housing are driven by DC 24 V stepping motor. A ball screw provides for a smooth drive in the inside.



Features

- Backlash-free and extremely robust.
- Reliable and maintenance-free.
- Movement 100 – 200 mm.
- Load capacity 25 – 100 kg.



Model	JC-MS05	JC-MS10	JC-MS20
Stroke	100	200	200
Speed	20 ~ 250 mm/min.	20 ~ 250 mm/min.	20 ~ 200 mm/min.
Load	25 kg	50 kg	100 kg
Tolerance	+- 0,1 mm	+- 0,1 mm	+- 0,1 mm
Input	DC24V	DC24V	DC24V
Weight	7,5 kg	11,5 kg	20,5 kg
Item no.	02.20.20.10100 (old: 72202305)	02.20.20.10200 (old: 72202310)	02.20.20.10210 (old: 72202320)

Meas.	JC-MS05	JC-MS10	JC-MS20
A	278	414	489
B	238	374	444
C	60	76	164
D	150	180	210
E	168	200	234
F	152	178	205
G	65	75	85
M	8	10	10

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Linear Slide

Electronic Cross Support JC-MS

The cross support with its two linear slides is extremely robust and thanks to its easy construction almost maintenance-free. The torch can be exactly controlled via joystick-control. Thanks to its adjustable speed and high load capacity the electronic cross support is flexible for many different applications.

Features

- Easy use and adjustment.
- Backlash-free and extremely sturdy.
- Reliable and maintenance-free.
- Movement 100 – 200 mm.
- Joystick-control.
- Load capacity 25 – 100 kg.



Joystick also available separatly



Remote control is deliverable as wireless

Model	JC-MS05	JC-MS10	JC-MS20
Stroke	100	200	200
Speed	20 ~ 250 mm/min.	20 ~ 250 mm/min.	20 ~ 200 mm/min.
Load	25 kg	50 kg	100 kg
Tolerance	+- 0,1 mm	+- 0,1 mm	+- 0,1 mm
Input	DC 24 V	DC 24 V	DC 24 V
Weight	13 kg	23 kg	41 kg
Item no.	2 x 72202305	2 x 72202310	2 x 72202320

Control	Joystick*
Item no.	02.20.22.00020 (old:72202392)

* In the scope of delivery at first orders. Can be purchased seperately

Control	SC-Control
Main voltage	AC 230 V, 50/60 HZ
Output voltage	DC 24 V
Size (L x W x H) mm	220 x 240 x 91
Weight	2,8 kg
Item no.	02.20.20.10011 (old:72202390)

Control	SC-Wireless
Output voltage	DC 24 V
Item no.	02.20.20.10012 (old:72202391)

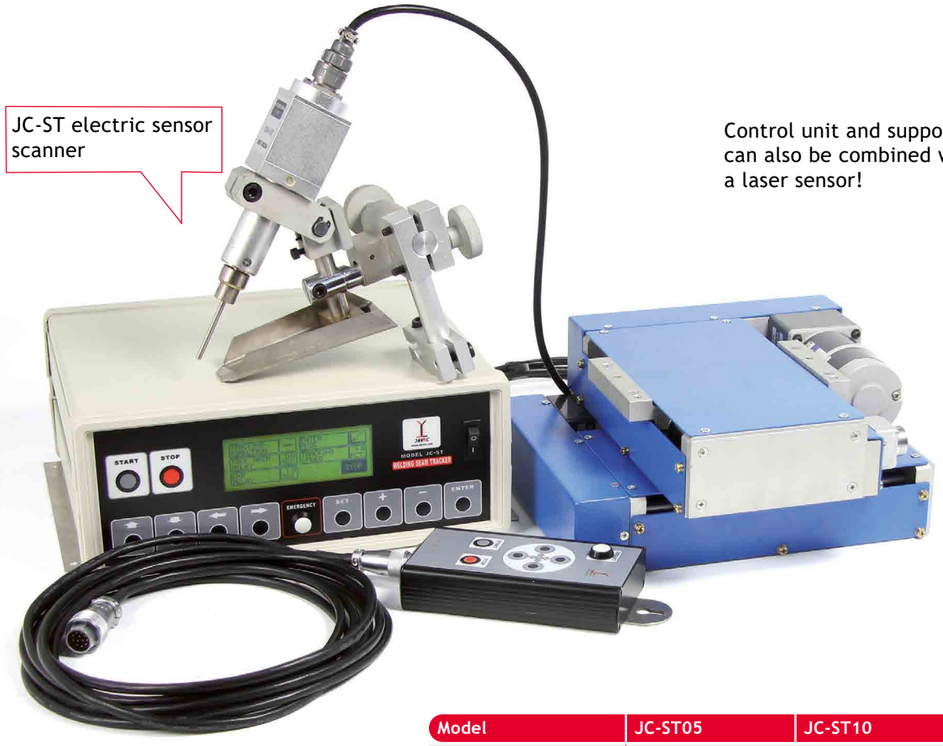
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Seamtracking

With electric push-button ST

The electric JAVAC sensor scans the form of the welding seam with a sensor.
The scan is effected in two directions. Geometrical irregularities will be detected at once. They will be calculated by the control system and the torch as well as the workpiece will be repositioned timely. The complete communication system can be connected with a welding device. This ensures a very high welding quality. It is suitable for overlap welding, fillet welding as well as butt weldings with groove or joint.

The JAVAC seamtracking system comprises a control box, a 2D sensor, a sensor holder, an electric precision cross support, a clamp holder and different "scanners". The sensor is completely coated and thus prevents from damage caused by welding dust, heat and humidity inside the system.





Scope of delivery with additional sensorheads

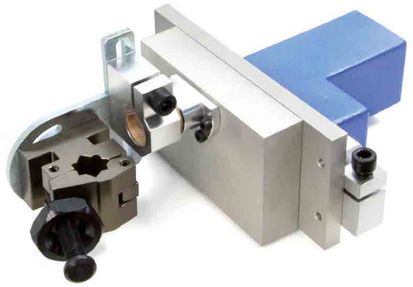
Model	JC-ST05	JC-ST10	JC-ST20
Supply voltage	AC 230 V, 50/60 HZ		
Load capacity	25 kg	50 kg	100 kg
Tracking range	100 mm	200 mm	200 mm
Tracking speed	20 ~ 250 mm/min.	20 ~ 250 mm/min.	20 ~ 200 mm/min.
Support precision	+- 0,25 mm, optional +- 0,13 mm		
Welding types	MIG / WIG / CO^2	UP	UP
Temperature	auf/ab	-10° ~ +70°	
Control function	Up/down and cw/ccw-movement, emergency stop, movement limit, track detection, limit detection, adjustment of track speed, remote control		
Item no.	02.22.01.00100		

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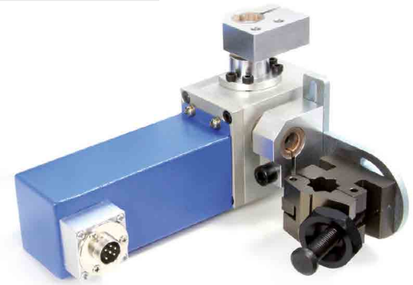
Welding Oscillators

Pendulum System WLS/WRS

JC-WLS/WRS welding oscillators are subdivided in linear and angle oscillators. They use a rack and pinion drive with linear guidance and screw drive. The load capacity is 5 kg. These oscillators are predominantly used for TIG, MAG und CO^2. They are equipped with a precision micro motor and potentiometer which in turn are equipped with a CPU control.



Linear oscillator JC-WLS



Angle oscillator JC-WRS

Features

- JC-WLS/WRS welding oscillator.
- Small, lightweight and easy to handle.
- Speed, oscillating width and pause times for left, right and center are adjustable.
- Torch returns automatically to the center after stop.
- High oscillations can be compensated easily.





Control

Model	Linear oscillator JC-WLS	Angle oscillator JC-WRS
Supply voltage	AC 95 ~ 250 V, 50 Hz, 1-phase	AC 95 ~ 250 V, 50 Hz, 1-phase
Operation	Rack and pinion drive	Screw drive
Speed	0 – 2300 mm/min.	0 – 5 u/min oder 30°/sec
Center adjustment	± 5 mm	± 3°
Oscillating width	0 ~ 25 mm	8°
Cw / ccw dwell time	0 – 2 s	0 – 2 s
Control	JC-WS	JC-WS
Weight	1.9 kg	1.8 kg
Item no.	02.20.22.00025 (old: 72201215)	02.20.22.00030 (old: 72201220)

Control	JC-WS
Size	120 x 175 x 75
Weight	2,9 kg
Item no.	02.20.22.00005 (old: 72201225)

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Linear Oscillators

LAW-Serie

Features

- Easy to handle and reliable.
- Without clearance and very sturdy.
- Low maintenance
- Suitable for MIG/MAG, TIG and Plasma

Scope of delivery:
1 separate control unit
Optional:
1 Remote control with 3 m cable



controller unit

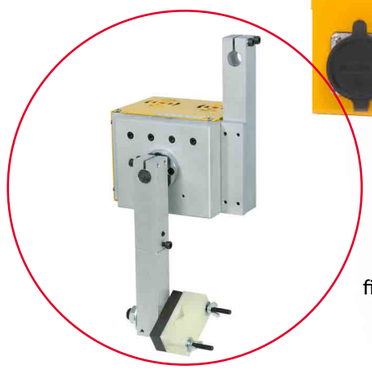


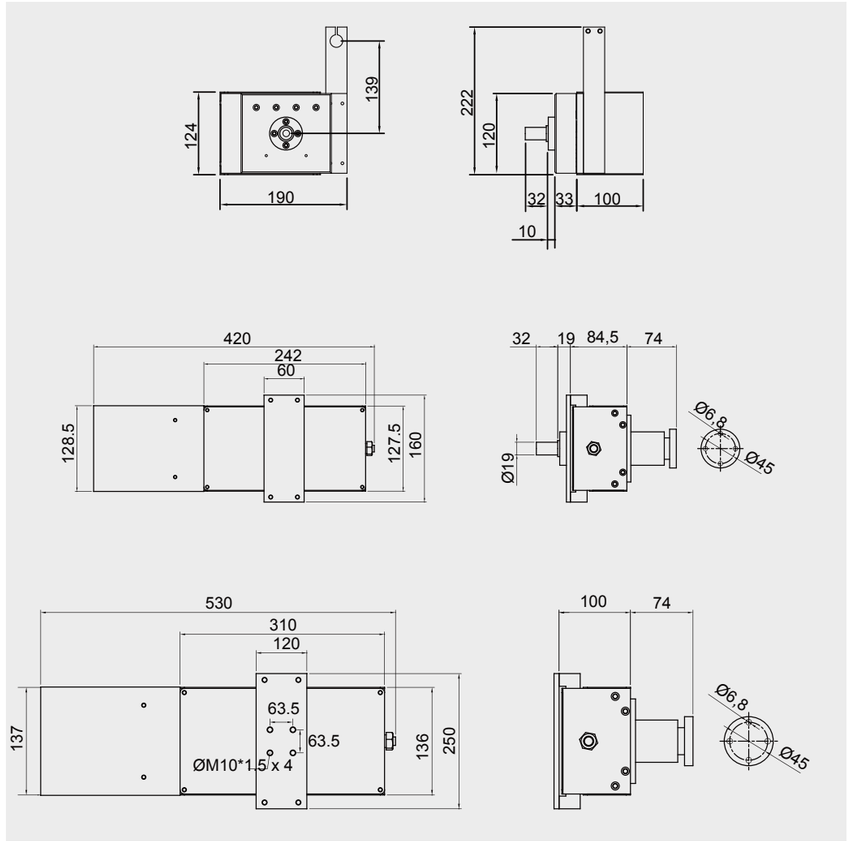


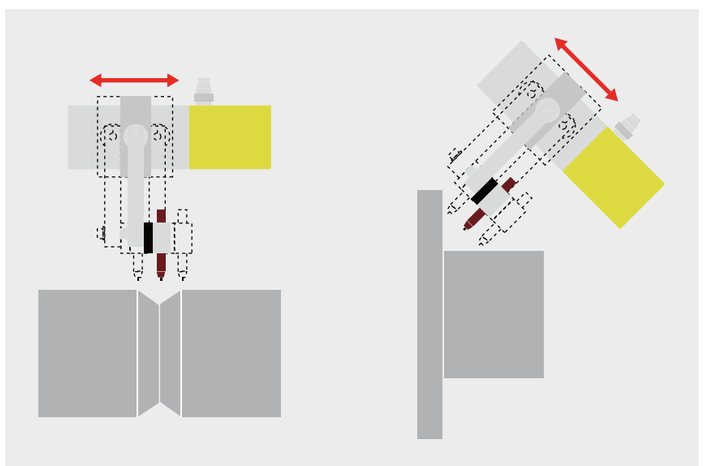
fig: LW-1A

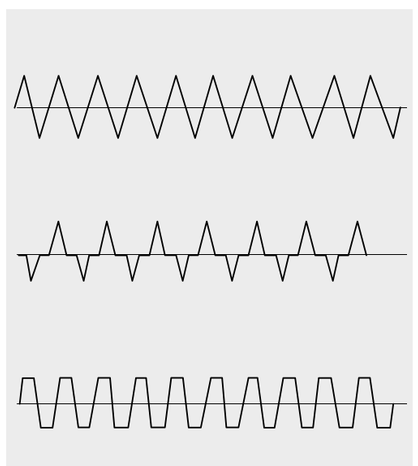
Model	LAW-1A	LAW-2A	LAW-3A
Supply voltage	AC 230V/3A, 50/60 Hz		
Step-motor	0,9 Nm	1,35 Nm	20Nm
Max. Load	5 kg	20 kg	50 kg
Oscillation speed	50 – 2500 mm/min	50 – 5000 mm/min	50 – 5000 mm/min
Stroke (middle position)	0 – 30 mm	0 – 100 mm	0 – 150 mm
Amplitude right/left	0 – 15 mm	0 – 50 mm	0 – 75 mm
Stroke steps each	0,1 mm	0,1 mm	0,1 mm
Pause times right/left/center	0 to 9,9 sec	0 to 9,9 sec	0 to 9,9 sec
Dwell time right/left/middle	0,1 sec	0,1 sec	0,1 sec
Weld mode	2-cycle	2-cycle	2-cycle
Weight	5 kg	10 kg	18 kg
Size control box (LxBxH)	350 mm x 350 mm x 190 mm		
Weight control box	8 kg		
Item no.	02.20.22.00100	02.20.22.00110	02.20.22.00120

Linear Oscillators

LAW-Serie







Adjustable oscillation curves.
The dwelling time (right, middle, left) is adjustable from 0 to 9,9 sec.

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Welding camera

Welcam 1

Movie on!
The Welcam 1 welding camera gives you a clear view of bright features of a welding arc while being able to see the surrounding darker background areas such as the weld pool and the weld seam.

The camera's robust housing and compact size means it can be used in any environment. Whether hot, cold, radioactive or simply too confined, a welding camera can be used in situations where space is at a premium or for safety reasons.





Flexible clamp arm



Magnet mounting (optional)



10 inch monitor





Welding camera

Welcam 1

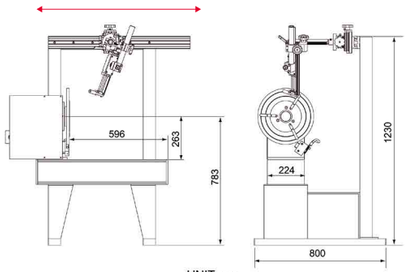
Modell	Welcam 1
Supply voltage	AC100V~240V / 2A / 50;60Hz / 1-phase
Category of camera	Hyperspectral camera
Camera Pixel	2 million pixels
Focal Length	6mm ~ 60mm
Aperture	F1.6
Viewable Angle	5° ~ 45°
Min. Focusable Distance	250 mm
Cooling Mechanism	Passive air-cooling / Active water-cooling(optional)
Additional Light	Red light LED
Camera Fixtures	11” flexible clamp arm / 12“ magnetic base(optional)
Screen Cable Length	10M / power-cable integrated
Monitor Spec.	10” / 1024*768 resolution / with base

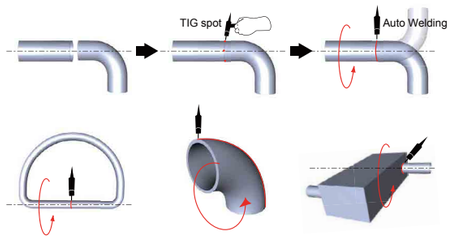
Pulse TIG with filling

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Automation – Girth Welds

Girth Welds Unit LPW







Model	LPW-260	LPW-470
Supply voltage	V1: AC 230 V / 12A / 50;60 Hz V2: AC 400 V / 10A / 50 Hz	V1: AC 230 V / 12A / 60 Hz V2: AC 400 V / 10A / 50 Hz
Permissible welding current	300 A / 100 %	300 A / 100 %
Load	180 kg	250 kg
Table diameter	340 mm	340 mm
Rotating speed	0,6 – 6,0 rpm	0,6 – 6,0 rpm
Max. Workpiece diameter	420 mm	800 mm
Torch X-Lift	75 mm	75 mm
Torch Y-Lift	100 mm	100 mm
Torch Z-Lift	100 mm	100 mm
Overlap timer (fixation point)	0 – 99 sec	0 - 99 sec
Timer (fixation point)	0 – 999 sec	0 – 999 sec
Start / crater filling	0 – 99 sec	0 – 99 sec
operation mode	2-cycle/4-cycle	2-cycle/4-cycle
Brake	magnetic	magnetic
HF-protection	100%	100%
Item no.	02.32.31.00260 (old: 71080707)	02.32.31.00470 (old: 71080714)
Item no. with PLC	02.32.31.00262	

Scope of delivery:
1 Control Unit
1 Foot switch

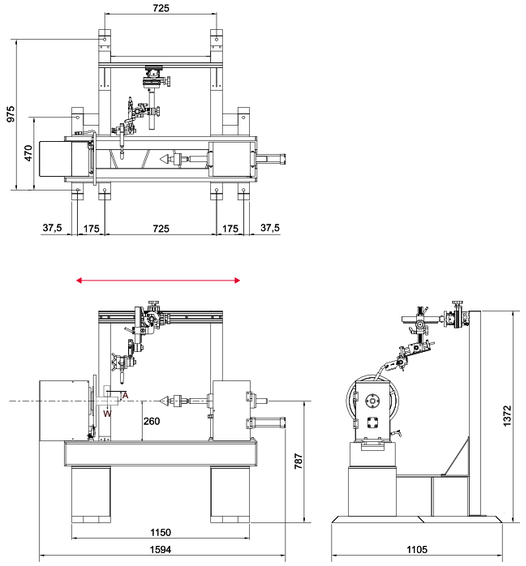
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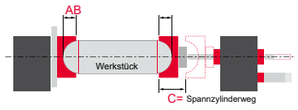
Automation – Girth Welds

Girth Welds Unit HPW

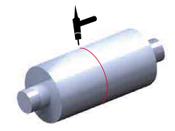
with COM 2800













Scope of delivery:
1 Control unit (integrated)
1 Foot switch

Model	HPW260 L70T1	HPW470 L70T2
Supply voltage	AC 230 Volt / 50:60 Hz	AC 230 Volt / 50:60 Hz
Permissible welding current	300 A / 100 %	300 A / 100 %
Face plate diameter	340 mm	340 mm
Hollow shaft	60 mm	60 mm
Load capacity	180 kg	250 kg
Speed / load	0,6 - 6 rpm / 120 kg-cm	0,2 - 2 rpm / 675 kg-cm
Max. workpiece diameter	420 mm	800 mm
Max. workpiece length	700 mm	700 mm
Idling centering taper dia.	125 mm	150 mm
Centering taper internal clamping	8 – 56 mm	53 – 106 mm
Support block diameter	35 mm	50 mm
Toothed rod X-lift	75 mm	75 mm
Toothed rod Y-lift	100 mm	100 mm
Toothed rod Z-lift	100 mm	100 mm
Linear slide	50 mm	50 mm
Rotating direction	cw/ccw	cw/ccw
Overlap timer (fixation point)	0 – 99 sec.	0 – 99 sec.
Timer (fixation point)	0 – 999 sec.	0 – 999 sec.
Start arc timer	0 – 99 sec.	0 – 99 sec.
Crater filling	0 – 99 sec.	0 – 99 sec.
operation mode	2-cycle/4-cycle	2-cycle/4-cycle
Brake	magnetic	magnetic
HF-protection	100 %	100 %
Item no.	02.32.30.00260 (old: 71080407)	02.32.30.00470 (old: 71080414)

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Automation – Longitudinal Seams

Longitudinal Seam Welding Unit Model OL



Productvideo on
www.javac.org




1


2


3


4


5

1

- Central control panel with digital display for welding speed and welding length.
- Presetting is possible.

2

- Linear chassis for torch mounting, max. load 50 kg.
- Adjustable sensor - switch for start and stop position.

3

- Copper chuck jaws are pressed pneumatically via pressure hose.
- Clamping force of copper chuck jaws 150N/cm at 3 bar pre-pressure.
- Chuck jaws are adjustable via adjusting screws from 5-25 mm to the middle of the welding seam.

4

- Lower beam equipped with a copper bearing rail.
- Prepared for water cooling and bottom formation.
- Turnbuckle for locking the lower beam is equipped with a safety switch.

5

- Adjustable height of lower beam according to material thickness.
- Manually adjustable torch mounting on X-Y-Z axis.
- Pivotable torch axis up to max. 60°.
- Enough space for the inclusion of a cold wire feeder.

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Automation – Longitudinal Seams

Longitudinal Seam Welding Unit Model OL

Model	OL-04	OL-06	OL-08	OL-10	OL-12
Supply voltage	V1: AC 230V/60Hz V2: AC 400V/50Hz	V1: AC 230V/60Hz V2: AC 400V/50Hz	V1: AC 230V/60Hz V2: AC 400V/50Hz	V1: AC 230V/60Hz V2: AC 400V/50Hz	V1: AC 230V/60Hz V2: AC 400V/50Hz
Workpiece length	460 mm	660 mm	860 mm	1060 mm	1260 mm
Workpiece diameter	65 – 600 mm	90 – 780 mm	110 – 780 mm	145 – 780 mm	160 – 780 mm
Wall thickness	0,6 – 6,0 mm	0,6 – 6,0 mm	0,6 – 6,0 mm	0,6 – 10,0 mm	0,6 – 10,0 mm
Lower beam	turnbuckle for locking				
Torch movement	ballscrew and linear slide				
Torch speed	100 – 1500 mm/min				
Clamping	pneumatically via pressure hose				
Gas	automatic control				
Cooling	water circulation				
Middle stop collar	pneumatically				
Arc type	Standard/crater				
Timer	0 – 9,9 sec				
Start Arc	0 – 9,9 sec				
Crater filling	0 – 9,9 sec				
Length adjustment	2 sensor switches (start position sensor + stop position sensor)				
HF-protection	96 %				
Item no.	02.32.20.01400 (old: 71080304)	02.32.20.01600 (old: 71080306)	02.32.20.01800 (old: 71080308)	02.32.20.01100 (old: 71080310)	02.32.20.01100 (old: 71080312)

Model	OL-15	OL-18	OL-20	OL-25	OL-30
Supply voltage	V1: AC 230V/60Hz V2: AC 400V/50Hz	V1: AC 230V/60Hz V2: AC 400V/50Hz	V1: AC 230V/60Hz V2: AC 400V/50Hz	V1: AC 230V/60Hz V2: AC 400V/50Hz	V1: AC 230V/60Hz V2: AC 400V/50Hz
Workpiece length	1560 mm	1860 mm	2060 mm	2560 mm	3060 mm
Workpiece diameter	200 – 1000 mm	230 – 1000 mm	250 – 1000 mm	300 – 1000 mm	350 – 1000 mm
Wall thickness	0,6 – 10,0 mm	1,0 – 12,0 mm	1,0 – 12,0 mm	1,0 – 12,0 mm	1,0 – 12,0 mm
Lower beam	turnbuckle for locking				
Torch movement	ballscrew and linear slide				
Torch speed	100 – 1500 mm/min.				
Clamping	pneumatically via pressure hose				
Gas	automatic control				
Cooling	water circulation				
Middle stop collar	pneumatically				
Arc type	Standard/crater				
Timer	0 – 9,9 sec				
Start Arc	0 – 9,9 sec				
Crater filling	0 – 9,9 sec				
Length adjustment	2 sensor switches (start position sensor + stop position sensor)				
HF-protection	96 %				
Item no.	02.32.20.01500 (old: 71080315)	02.32.20.01800 (old:71080318)	02.32.20.02000 (old: 71080320)	02.32.20.02500 (old: 71080325)	02.32.20.03000 (old: 71080330)

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Longitudinal Seam Welding Unit Model OL with SPS

Longitudinal Seam Welding Unit Model with SPS Control
The OL is a longitudinal welding bench for welding sheet metal and pipes.
Now also available with PLC control and centre stop. The central control panel with digital display allows presetting of welding speed and welding length.

Which model you choose depends on your weld seam length. Because the Ol models are available for workpiece lengths from 460mm to 3060mm, or for workpiece diameters from 65mm to 1000mm.



Longitudinal Seams
OL-12CPC
Item no.: 02.32.20.11250

Automation – Longitudinal Seams

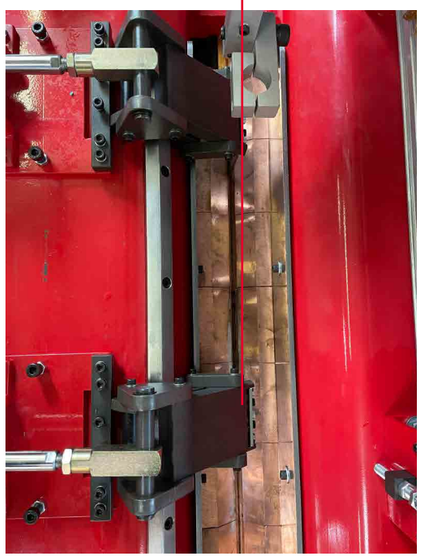
Longitudinal Seam Welding Unit Model OL with SPS

PLC control with HMI display



with middle stop





VIDEO

Welding process

Video Middle stop

Automation – Circular Weld Seams

VTW for flanges

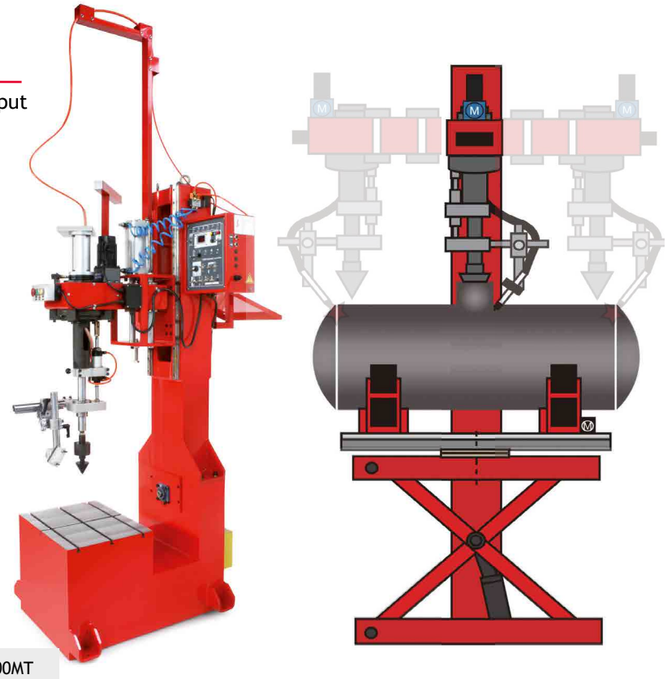
Features

- 60 mm hollow shaft. The welding torch cable can be put through the rotatory axis, thus simplifying the rotary structure and reducing torch problems.
- Welding torch driven by DC-motor; torch speed range 1,2 – 12 rpm.
- The workpiece on the base does not move.
- Runs with COM2800.
- Suitable for automatic welding, MIG/MAG, TIG and plasma welding.

Productvideo

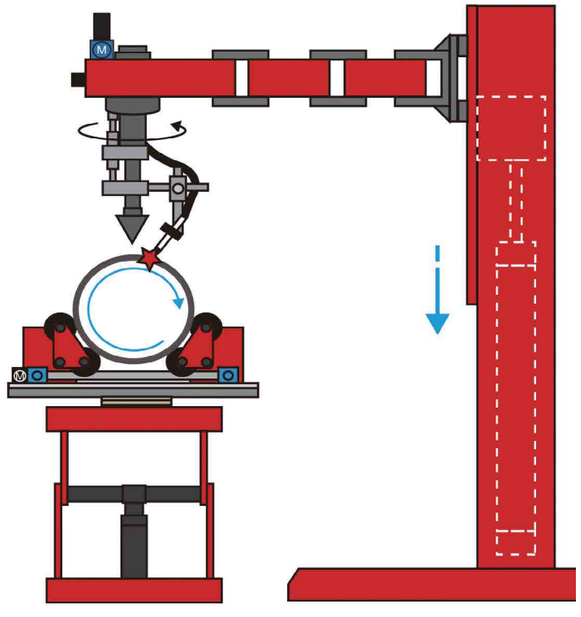
VIDEO

Scope of delivery:
1 Control unit
1 Foot switch



pic.: VTW-400MT

Model	VTW-400MT
Supply voltage	V1: AC 230V/60Hz/7A V2: AC 400V/50Hz/5A
Load capacity	800 kg
Inner base diameter	N/A
Distance rotating center/base	400 mm
Distance rotating center/ vertical shift	400 mm
Torch rotating speed	1,2 – 12 rpm
Rotating torch radius	10 – 75 mm
Idling centering taper dia.	120 mm
2D curve imitation device	Yes
Vertical 2D drop curve	12 mm
Toothed rod X-lift	100 mm
Toothed rod Y-lift	100 mm
Centering taper internal clamping	5 – 26 mm
Overlap timer	0 – 99 sec.
Timer (fixation point)	0 – 999 sec.
Start timer	0 – 99 sec.
Crater timer	0 – 99 sec.
Brake	magnetic
HF-protection	100%
Item no.	02.32.32.00042 (old: 71080514)



Example configuration according to customer

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Automation

... and more

Automate your welding processes with JAVAC



fig. RCW

Productvideo

VIDEO

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Automation – Circular Weld Seams

Rotator RCW

Features

- Ideal to weld from grounds at the front side.
- Stable and compact construction.
- Clamping without jaw chucks
- Pneumatic clamping unit as well as torch arm and limit stop.

Model	RCW-D01T1
Workpiece diameter	20 – 100 mm
Workpiece lenght	over 350 mm
Max. Load	150 kg
Rotating speed	240 – 2400 mm/min
PLC control	SIEMENS



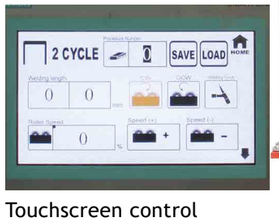
Pneumatic limit stop



pneumatic torch holder and stand



Also for internal welding



Touchscreen control

Productvideo

VIDEO

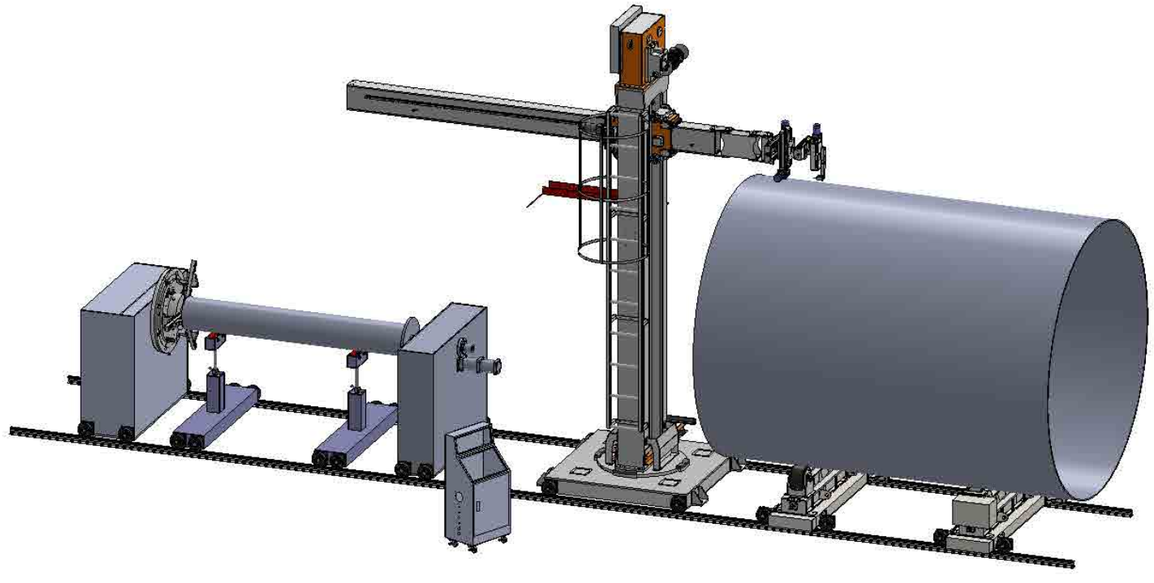


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Individual Solutions

We offer special solutions...

... from the planning to the finished system.



Manipulator with two operation slides for pipe-processing with turntable or roller block:
- 4.000 mm stroke
- 3.000 kg load
- 360° pivotable

We will be happy to help you.
Just call:
+49 (0)7331-30580

Or send us your inquiry:
info@javac-deutschland.de



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Pipe Processing Unit

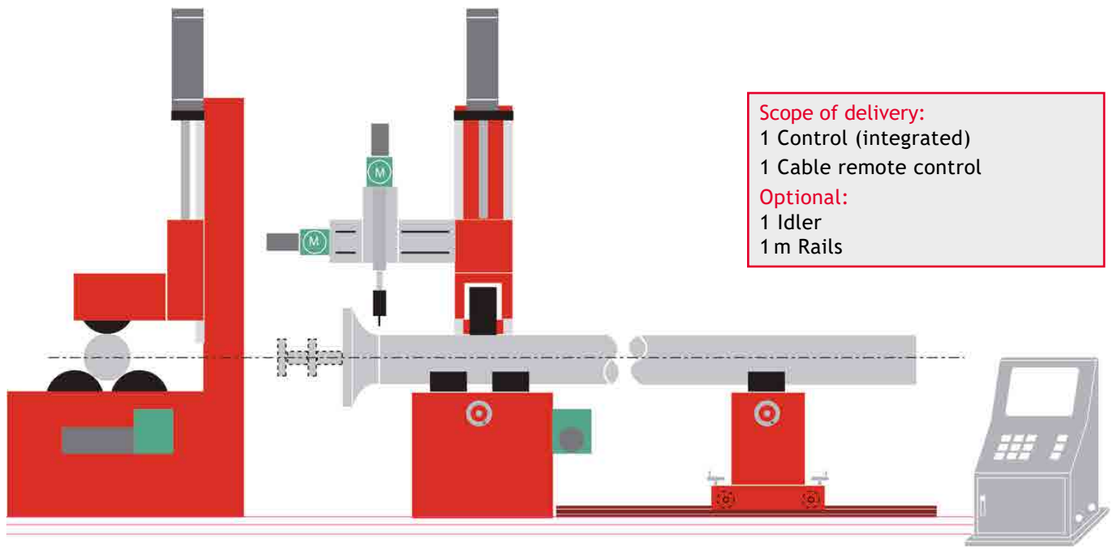
Rotator RW1T



Features

- Compact and sturdy design
- For welding, cutting and grinding
- A wide range of pipes can be processed
  Even pipe elbows or flanges are no problem
- Clamping without chuck
- lap-welding possible

Model	RW1T
Supply voltage	AC 230 V/50 Hz
Max. Load	2.000 kg
Workpiece diameter	50 – 400 mm
Min. workpiece length	450 mm
Rotation speed	200 ~ 2.000 mm/min.
Torch stroke, vertical	100 mm
Torch stroke, horizontal	200 mm
Speed control	Inverter
Item no.	02.30.21.00010

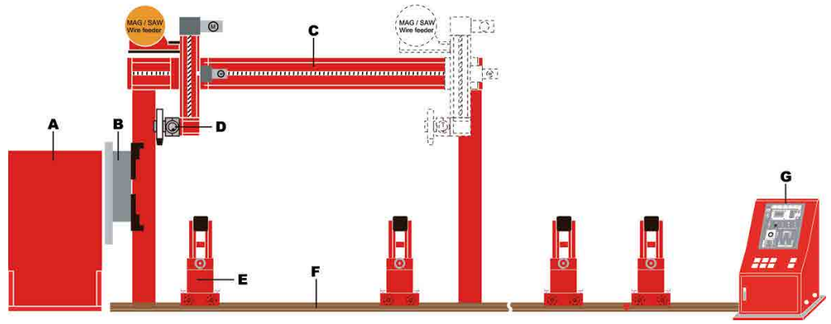


Scope of delivery:
1 Control (integrated)
1 Cable remote control
Optional:
1 Idler
1 m Rails

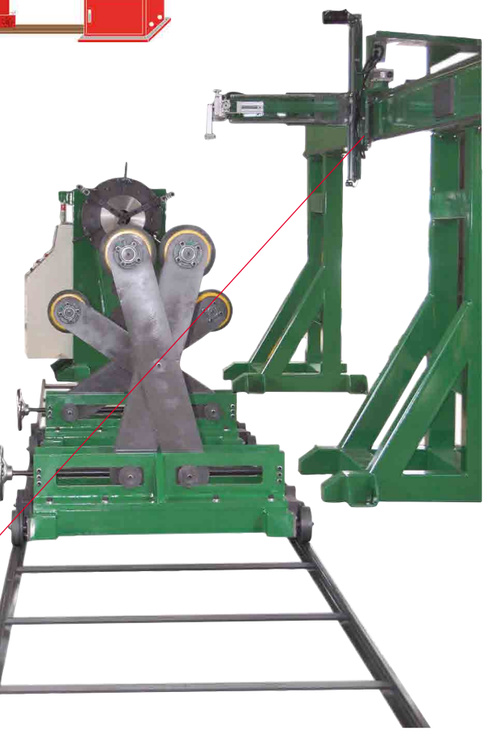
Individual Solutions

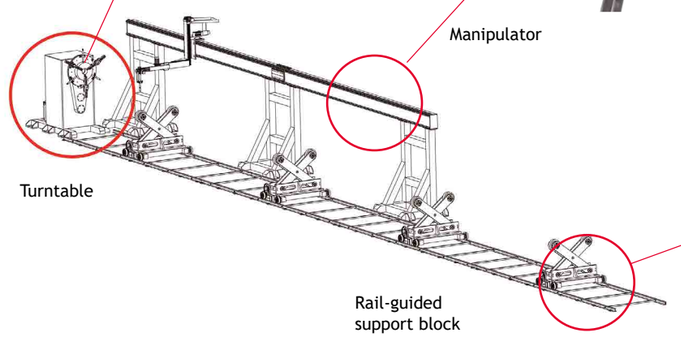
We offer special solutions...

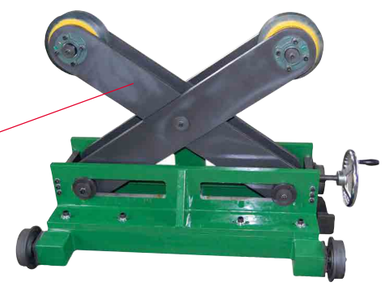
... from the planning to the finished system.











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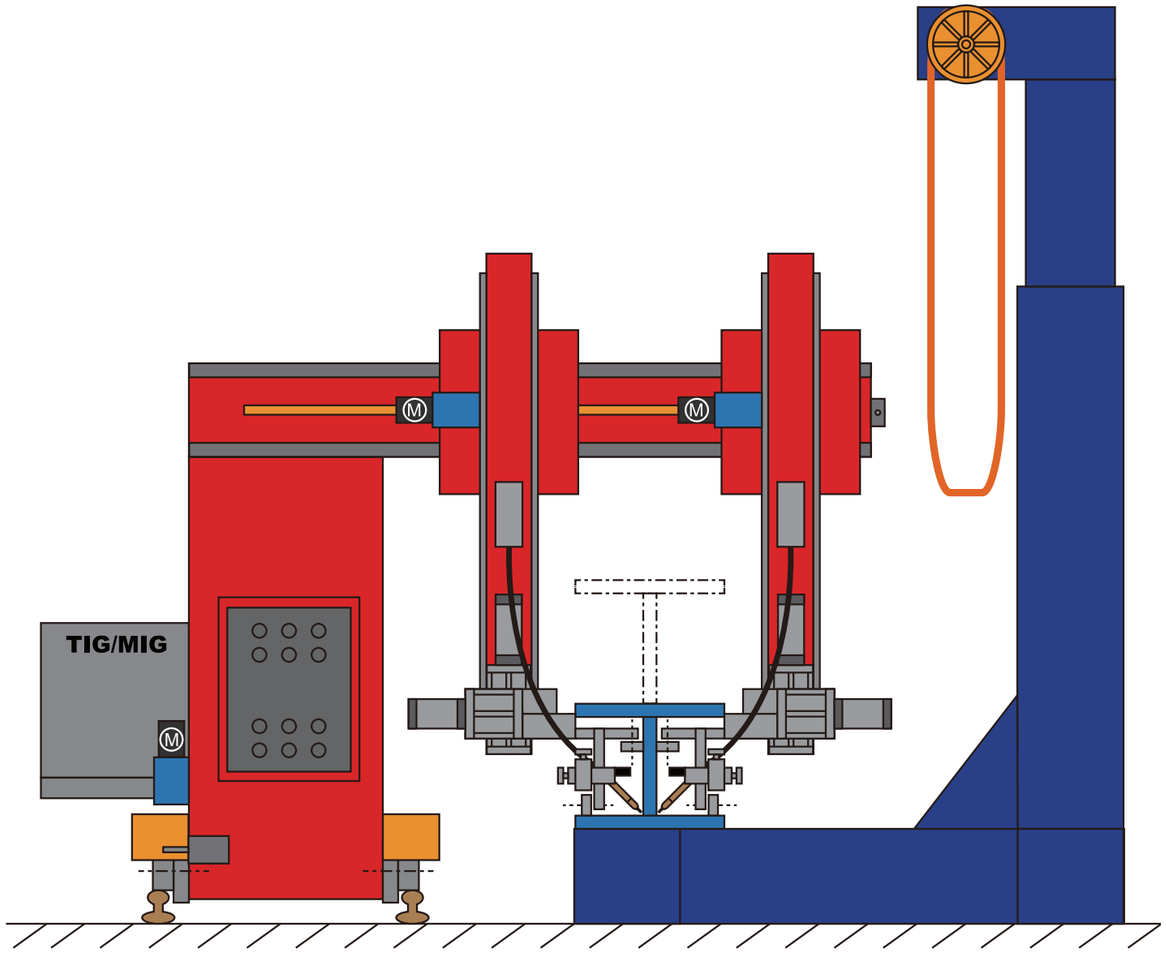
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… from the planning to the finished system:
Example H-beam

Model	LCT2-W02H14
Torch distance	0 – 200 mm
Distance workpiece/beam	1.400 mm
Max. load	1.500 kg
Movement speed	240 – 2.400 rpm
Beam load each	120 kg
Support stroke	100 mm (x-, y-, z-Axis)

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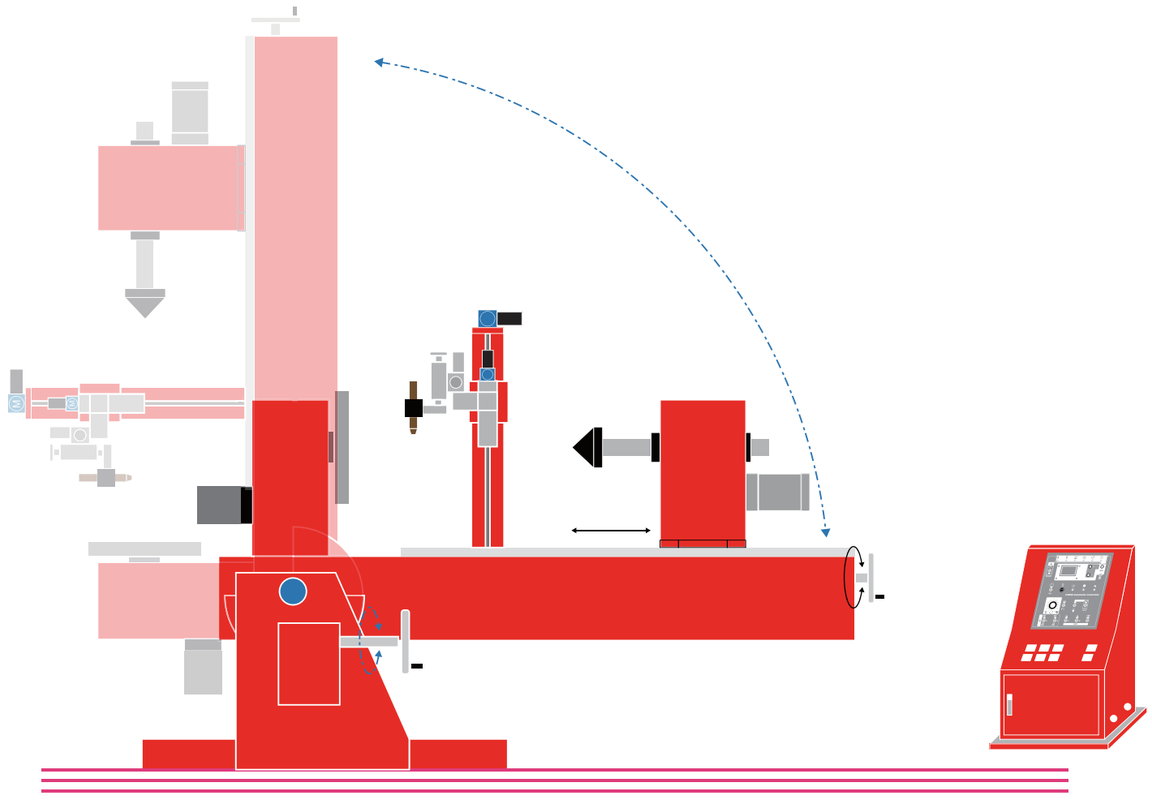
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… from the planning to the finished system:
Example circumferential weld

Model	AVPW-1400PH
Workpiece diameter	8 – 500 mm
Workpiece length	1 – 1.400 mm
Load capacity	150 kg
Rotating speed	0,07 – 6,0 rpm
Table diameter	500 mm
Hollow shaft	60 mm
AVC altitude control (Lift)	100 mm
Control	COM 2800

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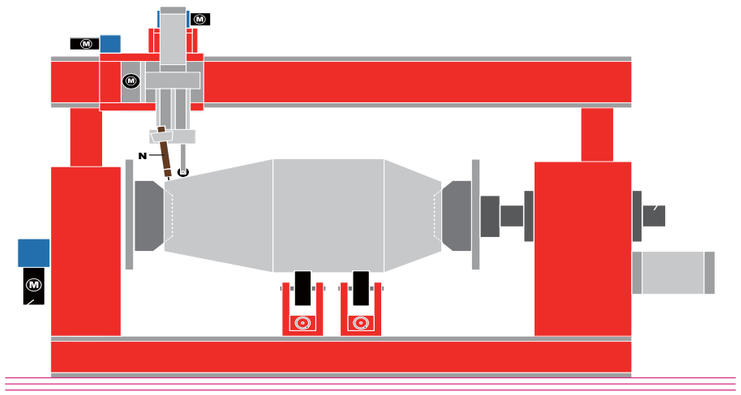
We offer special solutions...

… from the planning to the finished system:
Example combined longitudinal and circumferential seam welding machines

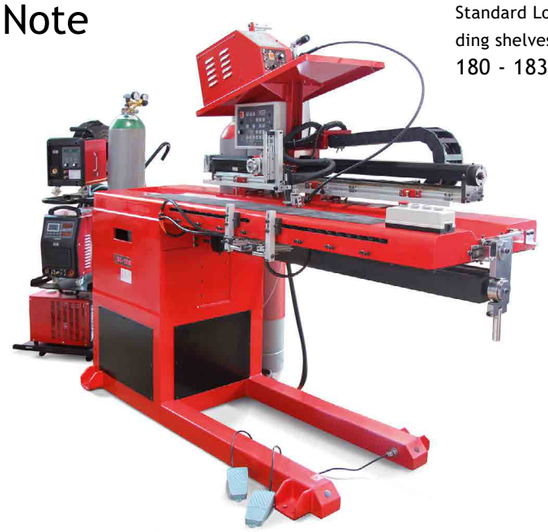
Model	LRW-D12L12T1
Workpiece diameter	150 - 1200 mm
Workpiece length	400 – 1.200 mm
Rotating speed	0,1 - 1,0 rpm
Drive motor	DC400W/90V
Movement speed	800 mm/min
Torch	MIG Torch
Control	PLC

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Note



Standard Longitudinal seam welding shelves you will find on page
180 - 183

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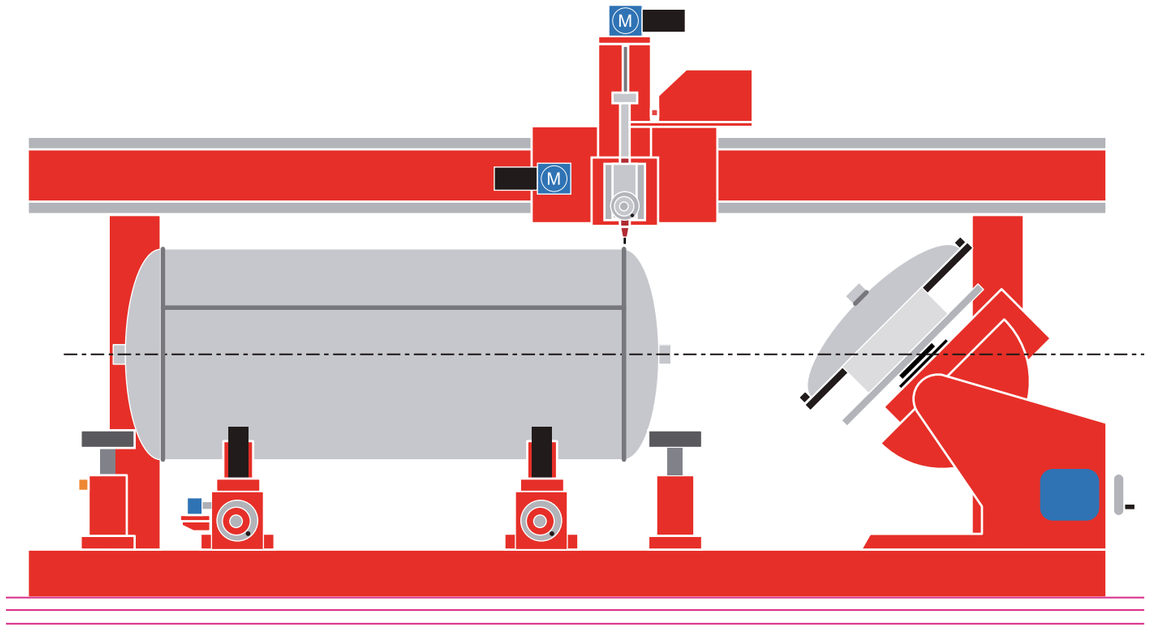
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… from the planning to the finished system:
Example combined longitudinal and circumferential seam welding machines

Model	LRP-D15L15T1
Workpiece diameter	250 – 1.000 mm
Workpiece length	400 – 3.000 mm
Load capacity	1.000 kg
Spin speed	180 – 1.800 mm/min
Torch movement speed	240 – 2.400 mm/min
Torch rotation	1,2 – 12 rpm
Loading boom	35 kg
Control	PLC

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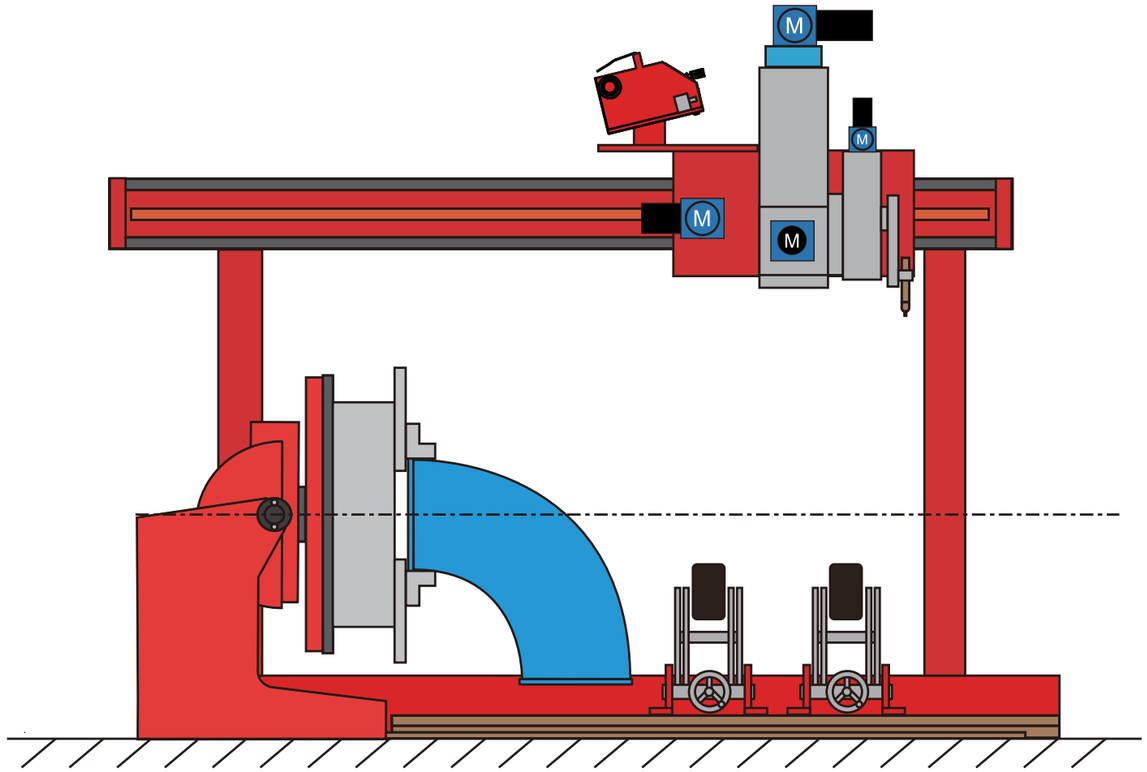
We offer special solutions...

... from the planning to the finished system:
Example combined longitudinal and circumferential seam welding machines

Model	LP-D15L30T
Workpiece diameter	80 – 1.500 mm
Workpiece length	400 – 3.000 mm
Load capacity	1.000 kg
Spinning speed	0,05 – 0,5 rpm
Torch movement speed	240 – 2.400 mm/min
Control	PLC

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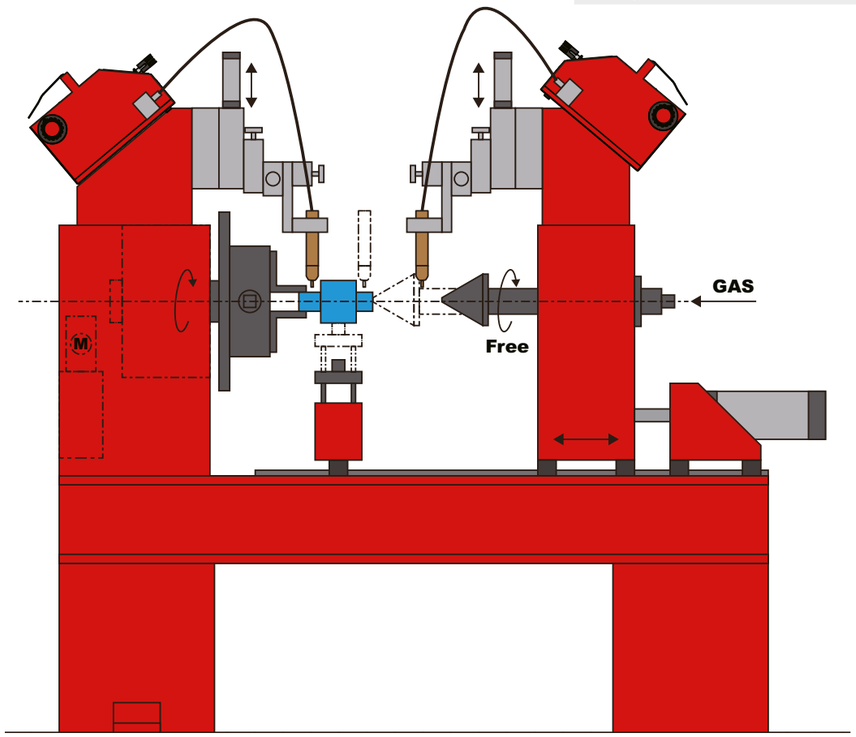
... from the planning to the finished system:
Example Overlay welding machinery

Model	SPW-D15L60T2
Drive	DC100W/90V Motor
Welding current	300A/100%
Tablediameter	340 mm
Workpiecediameter	20 - 150 mm
Workpiecelength	150 - 600 mm
Max. Load	100 Kg
Rotation speed	0,5 - 5,0 RPM
Piercing hole	50 mm
Tailstock cylinder lift	150 mm
Hollow shaft	50 mm
PLC Controller	PLC controller

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Model	PLC controller with HMI Display
Power	AC380V / 50Hz /3-phase
Welder start	2-cycle, 4-cycle
Memory data	1-99
Overlap	0.0 - 60.0 sec.
Welding length	0,0 - 1,000 mm
Start arc timer	0,0 - 10,0 Sec.
Crater arc timer	0.0 - 10.0 Sec.
Table speed	0.5 - 5.0 rpm
Wire speed (Rightside)	0 - 2,000 mm/min.
Wire speed (Left side)	0 - 2,000 mm/min.



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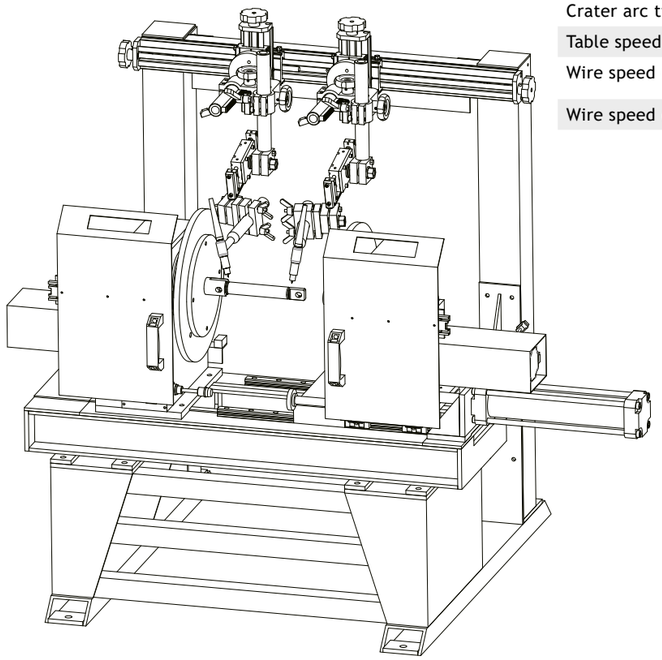
... from the planning to the finished system:
Example combined dual servo motor circular seam welding machines

Model	SHS2W-L03T2
Table diameter	340 mm
Workpiece diameter	15 - 100 mm
Workpiece length	0 - 300 mm
Max. load	100 kg
Rotation speed	0,12 - 12,0 RPM
Piercing hole	30 mm
Tailstock Cylinder lift	125 mm
Drive	AC400W Servo Motor
Drive Tailstock	AC400W Servo Motor
Controller	PLC controller with HMI Display

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Model	PLC controller with HMI Display
Power	AC380V / 50Hz /3-phase
Welder start	2-cycle, 4-cycle
Memory data	1-99
Overlap	0.0 - 60.0 sec.
Welding length	0,0 - 1,000 mm
Start arc timer	0,0 - 10,0 Sec.
Crater arc timer	0.0 - 10.0 Sec.
Table speed	0.5 - 5.0 rpm
Wire speed (Right side)	0 - 2,000 mm/min.
Wire speed (Left side)	0 - 2,000 mm/min.



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... from the planning to the finished system:
Example Screw hardface welding machine

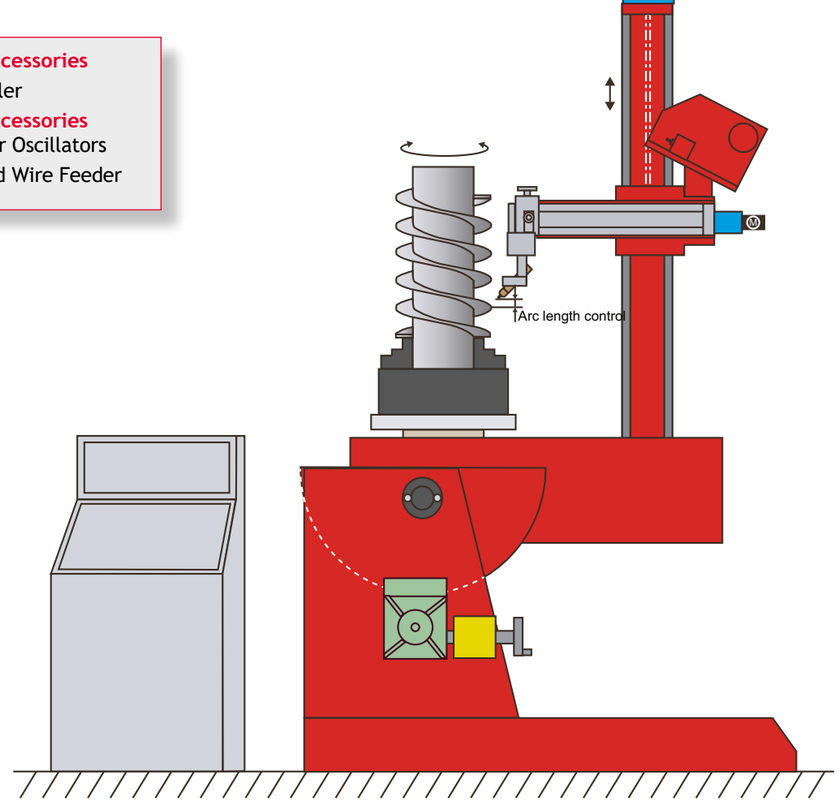
Model	SCVW-D05H10T1
Workpiece diameter	80 - 500 mm
Workpiece length	0 - 1,000 mm
Load	100 kg
Table angle	-15° to 90°

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Optional accessories
PLC Controller

Optional accessories
LW-1A Linear Oscillators
TW-4RA Cold Wire Feeder



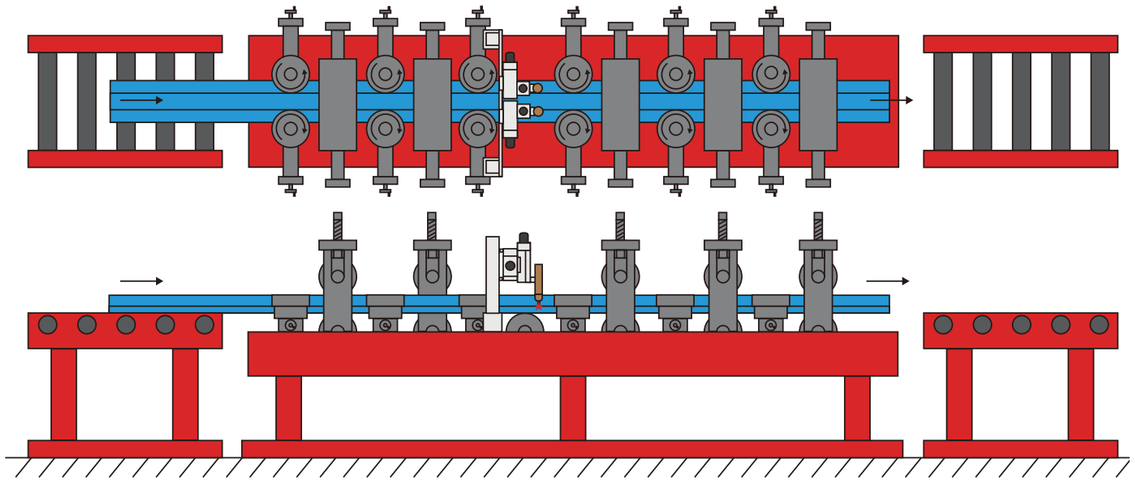
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… from the planning to the finished system:
Example Square tube welding and sliding system

Model	TTP-W20H55T4
Workpiece width	50 – 210 mm
Workpiece height	90 – 510 mm
Workpiece length	from 300 mm
Feeding speed	180 – 1.800 mm/min
Quantity MIG-Torch	4 pc. possible
Quantity UP-Torch	2 pc. possible



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Allgemeine Lieferbedingungen gegenüber Kaufleuten
(Stand: 01.09.2010)

I. **Geltung der Bedingungen**

1. Unsere Lieferungen, Leistungen und Angebote erfolgen ausschließlich auf Grund der nachstehenden Geschäftsbedingungen. Diese gelten somit auch für alle künftigen Geschäftsbeziehungen, auch wenn sie nicht nochmals ausdrücklich vereinbart werden, sofern sie dem Käufer bei einem früher von uns bestätigten Auftrag zugegangen sind. Spätestens mit der Entgegennahme der Ware oder Leistung – auch Teilleistung - gelten diese Bedingungen als angenommen. Entgegenstehende oder von unseren Verkaufsbedingungen abweichende Bedingungen des Käufers erkennen wir nicht an, es sei denn, wir hätten ausdrücklich schriftlich ihrer Geltung zugestimmt. Unsere Verkaufsbedingungen gelten auch dann, wenn wir in Kenntnis entgegenstehender oder von unseren Verkaufsbedingungen abweichender Bedingungen des Käufers die Lieferung an den Käufer vorbehaltlos ausführen.
2. Alle Vereinbarungen, die zwischen uns und dem Käufer zwecks Ausführung dieses Vertrages getroffen werden, sind in diesem Vertrag schriftlich niedergelegt.
3. Unsere Verkaufsbedingungen gelten nur gegenüber Unternehmern im Sinn von §310 BGB.

II. **Angebot – Angebotsunterlagen**

1. Ist die Bestellung des Käufers als Angebot gemäß § 145 BGB zu qualifizieren, so können wir dieses innerhalb von 2 Wochen annehmen.
2. An Abbildungen, Zeichnungen, Kalkulationen und sonstigen Unterlagen behalten wir uns Eigentums- und Urheberrechte vor. Dies gilt auch für solche schriftlichen Unterlagen, die als „vertraulich“ bezeichnet sind. Vor ihrer Weitergabe an Dritte bedarf der Besteller unserer ausdrücklichen schriftlichen Zustimmung.
3. Die in Katalogen, Preislisten oder den zum Angebot gehörenden Unterlagen enthaltenen Angaben, Zeichnungen, Abbildungen und Leistungsbeschreibungen sind branchenübliche Näherungswerte, es sei denn, dass sie in der Auftragsbestätigung ausdrücklich als verbindlich bezeichnet wurden.
4. Abreden, welche vom Vertragstext abweichen, dürfen nur mit von der Javac Deutschland GmbH schriftlich ermächtigten Personen getroffen werden und bedürfen für Ihre Gültigkeit der Schriftform. Eine Aufhebung des Schriftformerfordernisses kann und darf nur schriftlich erfolgen.

III. **Preise – Zahlungsbedingungen**

1. Soweit nicht anders angegeben, halten wir uns an die in unseren Angeboten enthaltenen Preise 14 Tage ab deren Datum gebunden.
2. Sofern sich aus der Auftragsbestätigung nichts anderes ergibt, gelten unsere Preise „ab Werk“, ausschließlich Verpackung, Fracht, Zoll, Einfuhrnebenabgaben, Versicherungsprämien, Markierung, Schutzmittel und dergleichen.
3. Die gesetzliche Mehrwertsteuer ist nicht in unseren Preisen eingeschlossen; sie wird in gesetzlicher Höhe am Tag der Rechnungstellung in der Rechnung gesondert ausgewiesen.
4. Der Abzug von Skonto bedarf besonderer schriftlicher Vereinbarung.
5. Sofern sich aus der Auftragsbestätigung nichts anderes ergibt, ist der Kaufpreis netto (ohne Abzug) sofort zur Zahlung fällig. Kommt der Käufer in Zahlungsverzug, so sind wir berechtigt, Verzugszinsen in Höhe von 8 % über dem jeweiligen Basiszinssatz p. a. zu fordern. Falls wir in der Lage sind, einen höheren Verzugsschaden nachzuweisen, sind wir berechtigt, diesen geltend zu machen. Der Käufer ist jedoch berechtigt, uns nachzuweisen, dass uns als Folge des Zahlungsverzugs kein oder ein wesentlich geringerer Schaden entstanden ist.
6. Aufrechnungsrechte stehen dem Käufer nur zu, wenn seine Gegenansprüche rechtskräftig festgestellt, unbestritten oder von uns anerkannt sind. Außerdem ist er zur Ausübung eines Zurückbehaltungsrechts insoweit befugt, als sein Gegenanspruch auf dem gleichen Vertragsverhältnis beruht.
7. Wir sind berechtigt, trotz anderslautender Bestimmungen des Käufers Zahlungen zunächst auf dessen ältere Schulden anzurechnen, und werden den Käufer über die Art der erfolgten Verrechnung informieren. Sind bereits Kosten und Zinsen entstanden, so sind wir berechtigt, die Zahlung zunächst auf die Kosten, dann auf die Zinsen und zuletzt auf die Hauptleistung anzurechnen.
8. Eine Zahlung gilt erst dann als erfolgt, wenn wir über den Betrag verfügen können. Im Falle der Annahme von Schecks gilt die Zahlung erst als erfolgt, wenn der Scheck eingelöst wird.
9. Wenn uns Umstände bekannt werden, die die Kreditwürdigkeit des Käufers in Frage stellen, wenn er insbesondere einen Scheck nicht einlöst oder seine Zahlungen einstellt, oder wenn uns andere Umstände bekannt werden, die die Kreditwürdigkeit des Käufers in Frage stellen, so sind wir berechtigt, die gesamte Restschuld fällig zu stellen, auch wenn wir Schecks angenommen haben. Wir sind in diesem Falle außerdem berechtigt, Vorauszahlungen oder Sicherheitsleistung zu verlangen.

IV. **Lieferung**

1. Erfüllungsort der Lieferung ist das Warenlager Javac Deutschland GmbH. Versendet der Verkäufer die Ware auf Verlangen des Käufers an einen anderen Bestimmungsort, geht die Transportgefahr, auch bei Lieferung „frachtfrei“, in dem Moment auf den Käufer über, in dem die Ware der Transportperson übergeben wird.
2. Liefertermine oder -fristen, welche verbindlich oder unverbindlich vereinbart werden können, bedürfen der Schriftform
3. Auch wenn eine kalendermäßig bestimmte Lieferzeit vereinbart ist, liegt noch kein Fixhandelsgeschäft im Sinne von §376 Abs.1 HGB vor. Hierfür bedarf es zusätzlich der Einigung der Vertragspartner darüber, dass z.B. bei Saisonware oder Werbeaktionen der Vertrag bei Nichteinhaltung der Lieferfrist ohne weiteres durch Rücktritt beendet und, sofern uns ein Verschulden trifft, Schadensersatz wegen Nichterfüllung verlangt werden kann. Der Beginn der von uns angegebenen Lieferzeit setzt die Abklärung aller technischen Fragen voraus. Die Lieferfrist beginnt mit der Absendung unserer Angebotsannahme, jedoch nicht vor Beibringen der vom Käufer zu beschaffenden Unterlagen sowie vor Eingang einer vereinbarten Anzahlung.
4. Wir haben Liefer-und Leistungsverzögerungen aufgrund höherer Gewalt und aufgrund von Ereignissen, die uns die Lieferung wesentlich erschweren oder unmöglich machen, insbesondere bei Arbeitskämpfen, Unruhen, behördlichen Maßnahmen und Ausbleiben von Zulieferungen unserer Lieferanten, auch bei verbindlich vereinbarten Fristen und Terminen nicht zu vertreten. Sie verändern die vereinbarten Termine und Fristen um die Dauer, der durch diese Umstände bedingten Leistungsstörung. Erst wenn die Liefer- und Leistungsverzögerung länger als 1 Monat dauert, ist der Käufer nach angemessener Nachfristsetzung berechtigt, hinsichtlich des noch nicht erfüllten Teils, vom Vertrag zurückzutreten. Verlängert sich die Lieferzeit oder werden wir von unserer Verpflichtung frei, so kann der Käufer hieraus keine Schadensersatzansprüche herleiten. Auf die genannten Umstände können wir uns nur berufen, wenn wir den Käufer unverzüglich benachrichtigen. Dies gilt sinngemäß für die Abnahmeverpflichtung des Käufers. Die Vertragspartner sind verpflichtet, dem anderen Teil Anfang und Ende von Hindernissen der vorbezeichneten Art unverzüglich mitzuteilen.
6. Teillieferungen und Teilleistungen sind, soweit handelsüblich, zulässig und werden gesondert in Rechnung gestellt. Sie sind ausnahmsweise dann unzulässig, wenn die teilweise Erfüllung des Vertrages für den Käufer kein Interesse hat.
7. Beeinflussen spätere Änderungen des Vertrages durch den Käufer die Lieferfrist, so kann sich diese in angemessenem Umfang verlängern.
8. Die Einhaltung unserer Lieferverpflichtung setzt die rechtzeitige und ordnungsgemäße Erfüllung der Verpflichtungen des Käufers voraus.
9. Wird der Versand auf Wunsch des Käufers verzögert, so werden ihm, beginnend einen Monat nach Anzeige der Versandbereitschaft, die durch die Lagerung entstandenen Kosten, bei Lagerung in unserem Werk mindestens jedoch 1/2 v. H. des Rechnungsbetrages für jeden Monat berechnet, es sei denn, der Käufer weist nach, dass uns nur geringere Kosten entstanden sind.

10. Kommt der Käufer in Annahmeverzug oder verletzt er sonstige Mitwirkungspflichten, so sind wir berechtigt, den uns entstehenden Schaden, einschließlich etwaiger Mehraufwendungen, zu verlangen. In diesem Fall geht auch die Gefahr eines zufälligen Untergangs oder einer zufälligen Verschlechterung der Kaufsache in dem Zeitpunkt auf den Käufer über, in dem dieser in Annahmeverzug gerät.
11. Wir haften nach den gesetzlichen Bestimmungen, soweit der zugrundeliegende Kaufvertrag ein Fixgeschäft im Sinn von § 323 Abs.2 Ziff.2 BGB oder von § 376 HGB ist. Wir haften auch nach den gesetzlichen Bestimmungen, sofern als Folge einer von uns zu vertretenden Lieferverzögerung der Käufer berechtigt ist geltend zu machen, dass sein Interesse an der weiteren Vertragserfüllung in Fortfall geraten ist.
12. Wir haften ferner nach den gesetzlichen Bestimmungen, sofern die Lieferverzögerung auf einer von uns zu vertretenden vorsätzlichen oder grob fahrlässigen Vertragsverletzung beruht; ein Verschulden unserer Vertreter oder Erfüllungsgehilfen ist uns zuzurechnen. Sofern die Lieferverzögerung nicht auf einer von uns zu vertretenden vorsätzlichen Vertragsverletzung beruht, ist unsere Schadenersatzhaftung auf den vorhersehbaren, typischerweise eintretenden Schaden begrenzt.
13. Wir haften auch nach den gesetzlichen Bestimmungen, soweit die von uns zu vertretende Lieferverzögerung auf der schuldhaften Verletzung einer wesentlichen Vertragspflicht beruht. In diesem Fall ist aber die Schadenersatzhaftung auf den vorhersehbaren, typischerweise eintretenden Schaden begrenzt.
14. Sofern die Lieferverzögerung lediglich auf einer schuldhaften Verletzung einer nicht wesentlichen Vertragspflicht beruht, ist der Käufer berechtigt, für jede vollendete Woche Verzögerung eine pauschalierte Entschädigung in Höhe von 3 % des Lieferwertes zu verlangen, jedoch maximal 15% des Lieferwertes.

V. Gefahrübergang

1. Die Gefahr geht auch bei frachtfreier Lieferung mit dem Verlassen des Lieferwerkes auf den Käufer über. Falls der Versand ohne unser Verschulden unmöglich wird, geht die Gefahr mit der Meldung der Versandbereitschaft auf den Käufer über. Sofern nicht anders vereinbart, wählen wir Verpackung, Versandart und Versandweg nach bestem Ermessen.
2. Auf schriftliches Verlangen des Käufers wird auf seine Kosten die Sendung durch uns gegen Diebstahl, Bruch, Transport, Feuer- und Wasserschäden sowie sonstige versicherbare Risiken versichert. Verzögert sich der Versand infolge von Umständen, die der Käufer zu vertreten hat, so geht die Gefahr vom Tage der Versandbereitschaft ab auf den Käufer über; jedoch sind wir verpflichtet, auf Wunsch und Kosten des Käufers die Versicherung zu bewirken, die dieser verlangt.

VI. Mängel der Kaufsache

1. Die Geltendmachung der Ansprüche und Rechte des Vertragspartners bei Sachmängeln setzt voraus, dass der Käufer seinen nach §§ 377, 378 HGB geschuldeten Untersuchungs- und Rügeobliegenheiten ordnungsgemäß nachgekommen ist.
2. Soweit ein Sachmangel der Kaufsache vorliegt, sind wir nach unserer Wahl zur Beseitigung des Mangels oder zur Ersatzlieferung innerhalb angemessener Frist berechtigt. Schlägt die von uns gewählte Mangelbeseitigung zweimal fehl, sind wir zur einmaligen Ersatzlieferung berechtigt. Für den Fall der Ersatzlieferung ist der Käufer zur Herausgabe der ursprünglichen Kaufsache verpflichtet. Die Kosten der Nacherfüllung werden nicht übernommen, soweit die Aufwendungen sich erhöhen, weil die Ware nach unserer Lieferung an einen anderen Ort verbracht worden ist, es sei denn, dies entspricht dem bestimmungsgemäßen Gebrauch der Ware. § 478 Abs.4 S.1 u.Abs.5 BGB bleiben unberührt.
3. Schlägt die Mangelbeseitigung/ Ersatzlieferung gem. Ziff. 2 fehl, so ist der Käufer nach seiner Wahl berechtigt, vom Vertrag zurückzutreten oder den Kaufpreis entsprechend herabzusetzen. Die §§ 323 Abs.5 S.2 BGB und § 478 Abs.4 S.1 u.Abs.5 BGB bleiben unberührt.
4. Rückgriffsansprüche des Käufers gegen uns bestehen nur insoweit, als der Käufer mit seinem Abnehmer keine Vereinbarung getroffen hat, die über die gesetzlichen Mängelansprüche hinausgehen.
5. Schlägt die Mangelbeseitigung / Ersatzlieferung gem. Ziff. 2 fehl, so ist der Käufer auch berechtigt, Schadensersatz zu verlangen (§ 281 Abs. 1 S.3 BGB bleibt unberührt), sofern wir den Mangel zu vertreten haben. Wir haften insoweit nur nach den gesetzlichen Bestimmungen, sofern der Käufer Schadensersatzansprüche geltend macht, die auf Vorsatz oder grober Fahrlässigkeit, einschließlich Vorsatz oder grober Fahrlässigkeit unserer Vertreter oder Erfüllungsgehilfen beruhen. Soweit uns keine vorsätzliche Vertragsverletzung angelastet wird, ist die Schadensersatzhaftung auf den vorhersehbaren, typischerweise eintretenden Schaden begrenzt. Wir haften auch nach den gesetzlichen Bestimmungen, sofern wir schuldhaft eine andere wesentliche Vertragspflicht als die Lieferung einer mangelfreien Sache verletzen; in diesem Fall ist aber die Schadensersatzhaftung auf den vorhersehbaren, typischerweise eintretenden Schaden begrenzt. Im übrigen ist die Schadenersatzhaftung ausgeschlossen; insoweit haften wir insbesondere nicht für Schäden, die nicht am Liefergegenstand selbst entstanden sind. Die zwingenden Bestimmungen des Produkthaftungsgesetzes bleiben unberührt.
6. Wir leisten für die Mangelfreiheit unserer Produkte Gewähr für den Zeitraum von 12 Monaten, gerechnet ab Gefahrenübergang; § 479 BGB bleibt unberührt.
7. Werden unsere Betriebs- oder Wartungsanweisungen nicht befolgt, Änderungen an den Produkten vorgenommen, Teile ausgewechselt oder Verbrauchsmaterialien verwendet, die nicht den Originalspezifikationen entsprechen, so entfällt jede Gewährleistung, wenn der Käufer eine entsprechende substantielle Behauptung, dass erst einer dieser Umstände den Mangel herbeigeführt hat, nicht widerlegt.
8. Im Falle einer Mitteilung des Käufers, daß der Kaufgegenstand mangelhaft ist, können wir verlangen, dass der Käufer nach unserer Wahl und auf unsere Kosten

a) die schadhafte Lieferung zur Reparatur und anschließender Rücksendung an uns schickt - soweit dies zumutbar ist - oder
b) der Käufer die schadhafte Lieferung bereithält und einer unserer Mitarbeiter zum Käufer geschickt wird, um die Reparatur vorzunehmen. Falls der Käufer entgegen unserem zumutbaren Verlangen den Kaufgegenstand nicht zusendet und verlangt, daß Gewährleistungsarbeiten an einem von ihm bestimmten Ort vorgenommen werden, trägt der Käufer die uns zusätzlich entstehenden Kosten, insbesondere zusätzliche Reisekosten und Arbeitszeit.

VII. Gesamthaftung

1. Hat der Käufer infolge des Mangels der Sache einen Schaden erlitten oder vergebliche Aufwendungen getätigt, so haftet der Verkäufer nach Ziff.Vl.und Ziff.Vll. Eine Haftung darüber hinaus ist ausgeschlossen.
2. Sollte der Käufer Schadensersatzansprüche geltend machen, so haftet der Verkäufer nach den gesetzlichen Bestimmungen betreff Vorsatz und grober Fahrlässigkeit. Für eine Haftung der Vertreter und Erfüllungsgehilfen gilt Ziff.Vll.2. entsprechend.Sofern kein Vorsatz auf Seiten des Verkäufers vorliegt beschränkt sich die Haftung auf den vorhersehbaren, typischerweise eintretenden Schaden.
3. Verletzt der Verkäufer schuldhaft eine wesentliche Vertragspflicht, so ist die Haftung nach den gesetzlichen Bestimmungen, auf den vorhersehbaren, typischerweise eintretenden Schaden begrenzt.
4. Die Haftung wegen schuldhafter Verletzung des Lebens, des Körpers oder der Gesundheit bleibt unberührt. Dies gilt auch für die zwingende Haftung nach dem Produkthaftungsgesetz.
5. Ziff.Vll 1., 2., 3., 4. gelten entsprechend, wenn der Einsatz von Aufwendungen geltend gemacht wird.
6. Soweit die Schadensersatzhaftung gegenüber dem Verkäufer ausgeschlossen oder eingeschränkt ist, gilt dies auch im Hinblick auf die persönliche Schadensersatzhaftung seiner Angestellten, Arbeiter, Mitarbeiter, Vertreter und Erfüllungsgehilfen. Ziff.VII.4. gilt entsprechend.

VIII. Eigentumsvorbehaltssicherung

1. Wir behalten uns das Eigentum an der Kaufsache bis zum Eingang aller Zahlungen aus der Geschäftsverbindung mit dem Käufer vor. Bei vertragswidrigem Verhalten des Käufers, insbesondere bei Zahlungsverzug, sind wir berechtigt, auch ohne Nachfristsetzung, sofort vom Vertrag zurückzutreten oder, auch ohne Rücktritt vom Vertrag, die Kaufsache herauszuverlangen. Im Herausverlangen der Kaufsache durch uns liegt kein Rücktritt vom Vertrag, es sei denn, wir hätten dies ausdrücklich schriftlich erklärt. In der Pfändung der Kaufsache durch uns liegt stets ein Rücktritt vom Vertrag. Wir sind nach Rücknahme der Kaufsache zu deren Verwertung befugt, der Verwertungserlös ist auf die Verbindlichkeiten des Bestellers abzüglich angemessener Verwertungskosten anzurechnen.
2. Der Käufer ist verpflichtet, die Kaufsache pfleglich zu behandeln; insbesondere ist er verpflichtet, diese auf eigene Kosten gegen Feuer-, Wasser-, und Diebstahlschäden ausreichend zum Neuwert zu versichern. Sofern Wartungs- und Inspektionsarbeiten erforderlich sind, muss der Vertragspartner diese auf eigene Kosten rechtzeitig durchführen. Bei Pfändungen oder sonstigen Eingriffen Dritter, hat uns der Käufer unverzüglich schriftlich zu benachrichtigen, damit wir Klage gemäß § 771 ZPO erheben können.
3. Soweit der Dritte nicht in der Lage ist, uns die gerichtlichen und außergerichtlichen Kosten einer Klage gemäß § 771 ZPO zu erstatten, haftet der Käufer für den uns entstandenen Ausfall.
4. Der Käufer ist berechtigt, die Kaufsache im ordentlichen Geschäftsgang weiter zu verkaufen; er tritt uns jedoch bereits jetzt alle Forderungen in Höhe des Faktura-Endbetrages (einschließlich MwSt) unserer Forderung ab, die ihm aus der Weiterveräußerung gegen seine Abnehmer oder Dritte erwachsen, und zwar unabhängig davon, ob die Kaufsache ohne oder nach Verarbeitung weiter verkauft worden ist. Wir nehmen die Abtretung an. Zur Einziehung dieser Forderung bleibt der Käufer auch nach der Abtretung ermächtigt. Unsere Befugnis, die Forderung selbst einzuziehen, bleibt hiervon unberührt. Wir verpflichten uns jedoch, die Forderung nicht einzuziehen, solange der Käufer seinen Zahlungsverpflichtungen aus den vereinnahmten Erlösen nachkommt, nicht in Zahlungsverzug gerät und insbesondere kein Antrag auf Eröffnung eines Insolvenzverfahrens gestellt ist oder Zahlungseinstellung vorliegt. Ist aber dies der Fall, so können wir verlangen, dass der Käufer uns abgetretene Forderungen und deren Schuldner bekanntgibt, alle zum Einzug erforderlichen Angaben macht, die dazugehörigen Unterlagen aushändigt und den Schuldnern (Dritte) die Abtretung mitteilt.
5. Die Verarbeitung oder Umbildung der Kaufsache durch den Käufer wird stets für uns vorgenommen. Wird die Kaufsache mit anderen, uns nicht gehörenden Gegenständen verarbeitet, so erwerben wir das Miteigentum an der neuen Sache im Verhältnis des Wertes der Kaufsache (Faktura-Endbetrag, einschließlich MwSt) zu den anderen verarbeiteten Gegenständen zur Zeit der Verarbeitung. Für die durch Verarbeitung entstehende Sache gilt im Übrigen das gleiche wie für die unter Vorbehalt gelieferte Kaufsache.
6. Wird die Kaufsache verarbeitet, mit anderen, uns nicht gehörenden Gegenständen untrennbar vermischt, vermengt oder verbunden, so erwerben wird das Miteigentum an der neuen Sache im Verhältnis des Wertes der Kaufsache (Faktura-Endbetrag, einschließlich MwSt) zu den anderen vermischten Gegenständen zum Zeitpunkt der Vermischung. Erfolgt die Vermischung in der Weise, dass die Sache des Käufers als Hauptsache anzusehen ist, so gilt als vereinbart, dass der Käufer uns anteilmäßig Miteigentum überträgt. Der Käufer verwahrt das so entstandene Alleineigentum oder Miteigentum für uns.
7. Der Käufer tritt uns auch die Forderung zur Sicherung unserer Forderungen gegen ihn ab, die durch die Verbindung der Kaufsache mit einem Grundstück gegen einen Dritten erwachsen. Wir nehmen die Abtretung an.
8. Wir verpflichten uns, die uns zustehenden Sicherheiten auf Verlangen des Käufers insoweit freizugeben, als der realisierbare Wert unserer Sicherheiten die zu sichernden Forderungen um mehr als 10 % übersteigt; die Auswahl der freizugebenden Sicherheiten obliegt uns.

IX. Konstruktionsänderung

Wir behalten uns das Recht vor, jederzeit Konstruktionsänderungen vorzunehmen; wir sind jedoch nicht verpflichtet, derartige Änderungen auch an bereits ausgelieferten Produkten vorzunehmen.

X. Abtretung

Wir sind berechtigt, die Ansprüche aus unserer Geschäftsverbindung abzutreten.

XI Schuldbefreiung

Zahlungen mit befreiender Wirkung bei Warenlieferungen mit Zahlungsziel können nur an den Factor geleistet werden, an den wir unsere Ansprüche aus unserer Geschäftsverbindung aufgrund eines Factoring Vertrages übertragen und verkauft haben.

XII. Anwendbares Recht, Gerichtsstand, Teilnichtigkeit

1. Für diese Geschäftsbedingungen und die gesamten Rechtsbeziehungen zwischen den Vertragspartnern gilt ausschließlich das Recht der Bundesrepublik Deutschland. Insbesondere ist die Anwendung des Übereinkommens der Vereinten Nationen vom 11. April 1980 über Verträge über den Warenkauf (CISG – „Wiener Kaufrecht“) ausgeschlossen.
2. Für alle Rechtsstreitigkeiten, auch im Rahmen eines Wechsel- und / oder Scheckprozesses, ist unser Geschäftssitz Erfüllungsort und der Gerichtsstand ist das Amtsgericht / Landgericht Ulm, soweit der Käufer Kaufmann, eine juristische Person des öffentlichen Rechts oder ein öffentlichrechtliches Sondervermögen ist. Wir sind auch berechtigt, am Sitz des Käufers zu klagen.
3. Sollte eine Bestimmung in diesen Geschäftsbedingungen oder eine Bestimmung im Rahmen sonstiger Vereinbarungen unwirksam sein oder werden, so wird hiervon die Wirksamkeit des Vertrages im Übrigen nicht berührt. In diesem Fall sind die Vertragspartner verpflichtet, die unwirksame Bestimmung durch eine ihr im wirtschaftlichen Erfolg möglichst gleichkommende Regelung zu ersetzen.

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