



PLASTIC PIPE WELDING TECHNOLOGY

ROWELD

Welcome to the world of ROWELD

ROWELD — Plastic pipe welding technology by ROTHENBERGER stands for precision, durability, and innovation. Our comprehensive technology portfolio brings together the leading methods of plastic pipe joining — including electrofusion, butt welding, and socket welding — to ensure secure, long-lasting connections across a wide range of applications.

ROWELD offers high-performance solutions tailored to the exact demands of professional users. From compact socket welders for confined spaces to fully automated butt welding systems, every machine is engineered for reliability and efficiency.

Because no job site is like an other one, our welding equipment can be custom-configured to meet specific operational needs — ensuring maximum performance, ergonomic handling, and compliance with international standards.

With ROWELD, you're not just choosing tools — you're choosing a global partner in quality and precision plastic pipe welding.

Your global partner in PLASTIC PIPE WELDING



CHINA: NUCLEAR POWER PLANTS

Tailored made CNC solutions
Cooling waterlines



BRAZIL: MINING

P630 CNC
Water supply and washout



CHILE: DESALINATION PLANT

P2000 CNC
Seawater intake



UAE: DECARBONISATION

P1200 CNC
Firefighting and cooling waterlines



Hydraulic butt welding machines

Hydraulic butt fusion welding represents state-of-the-art technology for joining thermoplastic pipes. The powerful hydraulic system guarantees perfect pressure control and flawless alignment, creating welds that are consistent, repeatable, and built to last.



ROTHENBERGER provides robust, low-maintenance solutions designed for large-scale pipeline projects.

**SUITABLE
FOR PIPES UP
TO Ø 3.2 m**

Technical Data	Type Premium CNC	Type Professional	Type Standard
Working range Ø mm	63–630 mm	40–1,200 mm	40–3,200 mm

TYPE PREMIUM CNC



TYPE PROFESSIONAL



TYPE STANDARD



Model	Working range	Weight	50 Hz No.	60 Hz No.
ROWELD P250B Premium CNC SA basic set	90–250 mm	125.900 kg	1000000560	1000000884
ROWELD P250B Premium CNC VA basic set	90–250 mm	132.900 kg	1000000561	1000000885
ROWELD P355B Premium CNC SA basic set	90–355 mm	131.800 kg	1000000563	1000000886
ROWELD P355B Premium CNC VA basic set	90–355 mm	148.400 kg	1000001081	1000001082
ROWELD P500B Premium CNC SA basic set (50/60 Hz)	200–500 mm	389.000 kg	1000000565	1000000565
ROWELD P630B Premium CNC SA basic set (50/60 Hz)	315–630 mm	526.000 kg	1000000567	1000000567
ROWELD P160B Professional basic set	40–160 mm	76.300 kg	1000000997	1000000823
ROWELD P250B Professional basic set	90–250 mm	120.000 kg	1000001080	1000000864
ROWELD P355B Professional basic set	90–355 mm	125.900 kg	1000000383	1000000824
ROWELD P500B Professional basic set, 400 V	200–500 mm	377.000 kg	53415	1000000825
ROWELD P500B Professional basic set, 230 V	200–500 mm	241.000 kg	53425	1000000820
ROWELD P630B Professional basic set	315–630 mm	527.000 kg	53355	1000000865
ROWELD P800B Professional basic set (50/60 Hz)	500–800 mm	747.000 kg	54190	54190
ROWELD P1200B Professional basic set (50/60 Hz)	710–1,200 mm	1,210.000 kg	54274	54274
ROWELD E160B Standard set	40–160 mm	57.400 kg	1000003642	—
ROWELD E250B Standard set	90–250 mm	82.200 kg	1000003643	—
ROWELD E315B Standard set	160–315 mm	124.400 kg	1000003644	—
ROWELD E355B Standard set	160–355 mm	140.700 kg	1000003645	—
ROWELD E450B Standard set	200–450 mm	327.000 kg	1000003646	—
ROWELD E500B Standard set	200–500 mm	482.000 kg	1000003647	—
ROWELD E630B Standard set (50 Hz)	315–630 mm	502.000 kg	1000003648	—

Discover our full product range in the main or ROWELD catalog. Other sizes on request.

Butt welding workshop machine



The ROTHENBERGER butt welding workshop machines can be used to process pipes made of PE, PP and PVDF into T-pieces, bends, angles or Y-pieces. The workshop machines cover a working range from 90–1,200 mm. They are available with both manual control and CNC control. In addition to logging the welding parameters, the CNC control also enables consistent, continuously good quality of the welds.

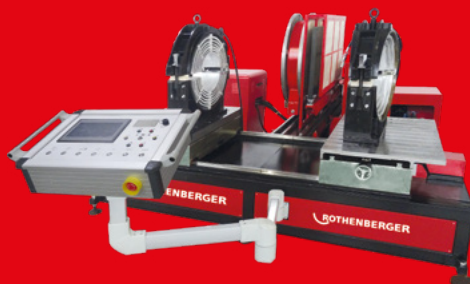
Perfectly engineered for precision and reliability, ROTHENBERGER workshop machines deliver consistently flawless welds every time.

Technical Data	Workshop machine W315	Workshop machine W500	Workshop machine W800
Working range Ø mm	90–315 mm	200–450 mm	45–800 mm
Power	7.250 KW	17.400 KW	47.230 KW
Voltage	380 V, 50 Hz	380 V, 50 Hz	380 V, 50 Hz
Working area temperature	< 270 °C	< 270 °C	< 270 °C

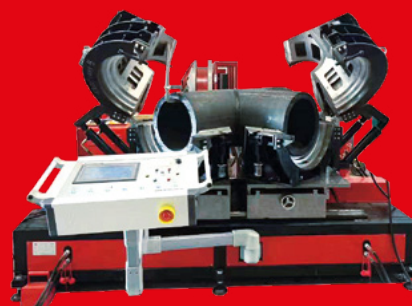
WORKSHOP MACHINE W315



WORKSHOP MACHINE W500



WORKSHOP MACHINE W800



Production of a Y-piece on a workshop machine



Production of an angle with a CNC-controlled CNC machine



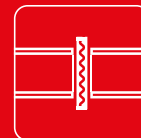
Manual workshop machine with tool and reducers

Model	Weight	Packaging unit	No.
Workshop machine W315	884.000 kg	1	1500004038
Workshop machine W500	3,510.000 kg	1	1500004345
Workshop machine W800	4,900.000 kg	1	1500003965

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Manual butt welding machines

Butt welding is among the most reliable and efficient techniques for joining thermoplastic pipes and fittings. In this process, two pipe ends are precisely trimmed aligned, heated, and fused without overlap — creating a seamless, high-strength joint as durable as the pipe itself. Whether in pipeline construction, water supply systems, or industrial installations, butt welding ensures maximum flow and long-term leak resistance.



To meet the highest standards, ROTHENBERGER offers a range of high-performance manual butt welding machines engineered for professional use.

Technical Data	ROWELD P110	ROWELD P160 SANILINE	ROWELD P250A	ROWELD HE heating plates
Input power	800 W	1,850 W	2,700 W	500 W / 800 W / 1,500 W
Voltage	220–240 V	220–240 V	230 V	110 V
Working area diameter	40–110 mm	40–160 mm	40–250 mm	0–300 mm
Working area temp.	160–285 °C	5–60 °C	5–60 °C	5–60 °C
Power plug type	Plug type F (CEE 7 / 4)	Plug type F (CEE 7 / 4)	Plug type F (CEE 7 / 4)	Plug type B
Mains frequency	50 / 60 Hz	50 Hz	50 Hz	50 / 60 Hz
Welding material	PE, PP, PVDF	PE, PP, PVDF	PE, PP, PVDF	PE, PP, PVDF

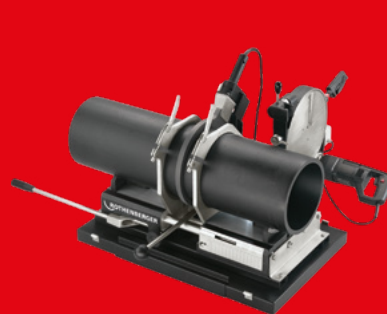
ROWELD P110



ROWELD P160 SANILINE



ROWELD P250A



ROWELD HE



Model	Weight	Packaging unit	No.
ROWELD P110 set 40–110 mm, 230 V	43.000 kg	1	55844
ROWELD P110 bare tool with table mounting bracket	6.800 kg	1	55787
ROWELD P160 Saniline, basic tool	34.400 kg	1	54005
ROWELD P160 Saniline, 40–160 mm	68.000 kg	1	54004
ROWELD P250A set 40–250 mm, 230 V	131.000 kg	1	55795
ROWELD P250A bare tool 230 V	57.070 kg	1	55768
ROWELD P250A bare tool 110 V	36.000 kg	1	55738
Heating plate electronic, 120 mm, 45°, 230 V	1.800 kg	1	55518
Heating plate electronic, 200 mm, 230 V	1.920 kg	1	55316
Heating plate electronic, 300 mm, 230 V	5.350 kg	1	55317
Heating plate electronic, 120 mm, 45°, 110 V	1.800 kg	1	55517
Heating plate electronic, 200 mm, 110 V	1.920 kg	1	55851
Heating plate electronic, 300 mm, 110 V	5.350 kg	1	55854

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Electrofusion machines

In the process of resistive implant welding, pipe connections are permanently and securely fused using specially designed fittings with integrated heating coils. Once the pipe ends are inserted into the fitting, an electric current is passed through the embedded metal coils — the resulting heat melts the material, creating a homogeneous and stable joint.



These powerful electrofusion welding machines from ROTHENBERGER are engineered to deliver professional results at the highest level.

Technical Data	ROFUSE SANI 160 / 315	ROFUSE 400/1200 TURBO	ROFUSE TURBO S
Input power	1,200–2,500 W	3,600 W	1,600 W
Voltage	180–280 V	220–240 V	230 V
Working area diameter	40–315 mm	20–1,200 mm	20–160 mm
Working area temperature	-5–60 °C	-20–50 °C	-20–50 °C
Output current	5 A	76 A	max. 60 A
Welding material	PE	PE, PP	PE, PP

ROFUSE SANI



ROFUSE 400 TURBO



ROFUSE 400 TURBO S



Model	Weight	Packaging unit	No.
ROWELD ROFUSE SANI 315 230 V	1.500 kg	1	1500002598
ROWELD ROFUSE SANI 315 in ROCASE	3.900 kg	1	1000002631
ROFUSE SANI 160 / 315 230 V, CH	1.200 kg	1	054230Z
ROWELD ROFUSE SANI 160 in ROCASE	2.400 kg	1	1000002630
ROWELD ROFUSE 400 TURBO	21.500 kg	1	1000000999
ROWELD ROFUSE 1200 TURBO	21.500 kg	1	1000001000
ROWELD ROFUSE TURBO S	10.000 kg	1	1000004403
Adapter pair FF round, 4 mm for ROFUSE 400/1200 TURBO	0.040 kg	1	54058

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Socket welding machines



Socket welding offers a fast, clean, efficient way to join thermoplastic pipes. By evenly heating pipe end and fitting, a secure, uniform bond forms without adhesives. The result is a permanent, leak-free joint with long service life. Easy to handle, reliable, and cost-effective, socket welding is ideal for piping in water, industrial, and chemical use.

ROTHENBERGER also offers a wide range of products for this process.

Technical Data	ROWELD P63 S-6 Sword	ROWELD P125
Voltage	110 V / 230 V	115 V / 230 V
Working area diameter	20–63 mm	40–160 mm
Welding material	PE, PP	PE, PP

ROWELD P63 S-6 SWORD



HEATING SPIGOTS AND SOCKETS



ROWELD P125



Model	Weight	Packaging unit	No.
ROWELD P63 S-6 Sword bare tool electronic, 230 V	1.780 kg	1	053896X
ROWELD P63 S-6 Sword bare tool thermostatic, 230 V	1.780 kg	1	053897X
ROWELD P125 bare tool electronic, 110 V	3.100 kg	1	55322
ROWELD P125 bare tool electronic, 230 V	3.100 kg	1	55321
Heating spigots / Heating sockets, form A, 20 mm	0.110 kg	1	53511
Heating spigots / Heating sockets, form A, 25 mm	0.143 kg	1	53512
Heating spigots / Heating sockets, form A, 32 mm	0.188 kg	1	53513
Heating spigots / Heating sockets, form A, 40 mm	0.285 kg	1	53514
Heating spigots / Heating sockets, form A, 50 mm	0.406 kg	1	53515
Heating spigots / Heating sockets, form A, 63 mm	0.775 kg	1	53516
Heating spigots / Heating sockets, P125, 16 mm	0.060 kg	1	55585
Heating spigots / Heating sockets, P125, 18 mm	0.080 kg	1	55587
Heating spigots / Heating sockets, P125, 19 mm	0.080 kg	1	55588
Heating spigots / Heating sockets, P125, 20 mm	0.080 kg	1	55589
Heating spigots / Heating sockets, P125, 25 mm	0.100 kg	1	55590
Heating spigots / Heating sockets, P125, 32 mm	0.170 kg	1	55591
Heating spigots / Heating sockets, P125, 40 mm	0.260 kg	1	55592
Heating spigots / Heating sockets, P125, 50 mm	0.370 kg	1	55593
Heating spigots / Heating sockets, P125, 63 mm	0.600 kg	1	55594
Heating spigots / Heating sockets, P125, 90 mm	1.330 kg	1	55596
Heating spigots / Heating sockets, P125, 110 mm	2.070 kg	1	55597
Heating spigots / Heating sockets, P125, 125 mm	2.330 kg	1	55598

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Plastic pipe welding accessories

ROTHENBERGER delivers a full range of premium accessories to make plastic pipe welding faster, easier, and more reliable.



No. 70033



No. 55063



No. 1500000789



No. 1500004346



No. 1500004347



No. 1500004348



No. 1500004349

Model	Weight	Packaging unit	No.
TUBE CUTTER PL Automatic, 110–168 mm (4–6.5/8")	1.700 kg	1	70033
ROCUT 160 set, 110, 125, 160 mm (4–6")	5.600 kg	1	55063
ROCUT XL 125 mm 4"	7.300 kg	1	1500000789
Peeling device, 20–75 mm	2.300 kg	1	1500004346
Peeling device, 90–315 mm	6.900 kg	1	1500004347
Peeling device, 180–400 mm	9.900 kg	1	1500004348
Rotary peeling chain, 200–800 mm	9.600 kg	1	1500004349

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