

Hydraulic Butt Fusion Welding Machine for PE Pipes

This hydraulic butt fusion welding machine is designed for joining PE pipes using a butt welding technique. It creates strong, leak-proof joints by heating and fusing pipe ends under controlled pressure.



ADDITIONAL IMAGES



Overview



The hydraulic control system allows for precise pressure application during the fusion process.

TECHNICAL DISPLAY

	<p>Fix the pipe</p> <p>Fix the pipe on the machine frame, add 5cm gaps between the two pipe ends.</p>
	<p>Milling cutter</p> <p>Put the milling cutter in the machine frame, adjust the pressure of the milling cutter and cut the two pipe ends. After finished continuous cutting, release the cutting pressure and withdraw the cutter in order to keep the smooth of the pipe's end.</p>
	<p>Welding the two pipe's end</p> <p>When the welding plate keep the stable temperature, put it in the machine frame and weld the pipe, please following the pipe size and environment to adjust the welding time and pressure.</p>
	<p>Fusion</p> <p>Finished welding, loosen the pipe at the first time, please follow the pipe size to adjust the pressure.</p>
	<p>The last step</p> <p>When the temperature of fusion side reduce an environment, loose the pipe from the machine frame, the strength of perfect welding side will be the same as pipe even above.</p>

Step-by-step technical workflow from pipe preparation to final fusion.

Professional Hydraulic Butt Fusion Welding Machine

This hydraulic butt fusion welding machine is engineered for the precise joining of polyethylene (PE) pipes, delivering strong, leak-proof connections essential for water supply, gas distribution, and industrial piping projects. The system features a robust frame, a hydraulic power unit for consistent pressure control, and a comprehensive set of components including a milling tool and heating plate. Designed for both workshop and on-site applications, it ensures reliable welding results across a wide range of pipe diameters.

Technical Specifications



Complete assembly including hydraulic unit, heating plate, and pipe clamps for secure alignment.

Welding Range

- 50
- 63
- 75
- 90
- 110
- 125
- 140
- 160
- 180
- 200

Power Rating

3.25 kw
Power

220 V
Voltage

Weight Metrics

96.4 kg
Net Weight

110 kg
Gross Weight

Component Details

Component Specifications

Component	Dimensions (cm)	Weight (kg)
Rack	82 x 44 x 40	42
Heating Plate	37 x 5 x 40	3.8
Milling Tool	35 x 36 x 35	7
Hydraulic Station	58 x 47 x 47	41.5
Basket	33.5 x 18.5 x 46	2.1

Features



Robust frame construction designed for consistent and leak-proof welds.

Key Features

Hydraulic Control System, Precise Pressure Adjustment, On-site Compatible, Leak-proof Welding, Robust Frame Design