

Hydraulic PE Pipe Butt Fusion Welder

This hydraulic butt fusion welding machine joins polyethylene (PE) pipes, creating strong, leak-proof connections. It utilizes hydraulic pressure for precise alignment and consistent fusion of pipe ends.



Overview



Core components: Hydraulic control system, racks, heating plate, and milling tool. Designed for reliable and efficient joining of PE pipes in water and gas applications.

Professional Hydraulic Butt Fusion Welder

This hydraulic butt fusion welding machine is specifically designed for joining polyethylene (PE) pipes with precision and reliability. It utilizes a robust hydraulic system to ensure consistent pressure, alignment, and fusion quality, making it an ideal solution for water, gas, and industrial pipeline projects. The system includes essential components such as a heating plate, milling cutter, and hydraulic unit, ensuring durable, leak-proof connections for pipes ranging from 50mm to 200mm.

Technical Specifications

Power Rating

3.25 kW
Power

220 V
Voltage

Component Weights

Component	Weight
Racks	42 kg
Heating Plate	3.8 kg
Milling Tool	7 kg
Hydraulic Station	41.5 kg
Basket	2.1 kg

Logistics Data

- Total Volume: 0.446 m³
- Net Weight: 96.4 kg
- Gross Weight: 110 kg

Welding Range

50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm, 200mm

Operation & Process

TECHNICAL DISPLAY



Step-by-step technical guide for the butt fusion welding process.

PROJECT DISPLAY



The machine in a real-world project environment, demonstrating versatility and alignment capabilities.

Standard Welding Procedure

- Fix pipes on the frame with 5-8cm gap
- Mill pipe ends to ensure smooth surfaces
- Heat pipe ends using the temperature-controlled plate
- Apply hydraulic pressure for fusion
- Cool and remove pipe from frame