

315mm PE Pipe Butt Fusion Welding Machine

This 315mm PE pipe welding machine uses the butt fusion method to join polyethylene pipes. It features four clamps to securely hold the pipes during the welding process.



ADDITIONAL IMAGES



Overview



Portable design suitable for on-site water and gas pipeline installations.

Professional PE Pipe Welding Solution

The 315mm 4-Clamp Manual Butt Fusion Welding Machine is a robust and reliable tool designed for high-quality joining of polyethylene (PE) pipes. Utilizing thermofusion technology, it creates leak-proof joints that are as strong as the pipe itself, making it ideal for critical water supply, gas distribution, and industrial piping projects. Its manual operation provides operators with precise control over the fusion process in both workshop and on-site environments.

Key Performance Metrics



Robust four-clamp configuration ensures perfect pipe alignment for leak-proof joints.

Key Performance Metrics

315 mm

Maximum Pipe Diameter

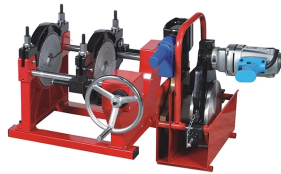
4

Clamping Points

80 mm

Max Clamp Gap

Technical Capabilities



The manual handwheel allows for precise pressure control during the fusion and cooling stages.

Primary Applications

- Water Supply Systems
- Gas Distribution Networks
- Sewage and Drainage
- Industrial Piping

Welding Method

Butt Fusion Thermofusion

Operation Mode

Manual with Handwheel Control

Compatible Materials

PE, Polyethylene

Operational Workflow

Welding Process Steps

Step	Action	Key Detail
Pipe Preparation	Fix pipe on frame	Maintain 5cm-8cm gap between ends
Surface Facing	Milling cutter alignment	Cut until continuous shavings are received
Heating	Insert heating plate	Adjust time/pressure based on pipe size
Fusion	Join pipe ends	Apply pressure for initial fusion
Cooling	Maintain position	Cool to ambient temperature before removal

Equipment Components



Full setup including the machine frame, heating plate, and milling cutter for pipe preparation.

Standard Components

- Basic Machine Frame
- 4-Clamp Set
- Electric Milling Cutter (Facer)
- Heating Plate
- Manual Pressure Adjustment System

Logistics & Protection

PACKING AND DELIVERY



Professional wooden crate packaging ensures the machine is protected during international transit.

Available Shipping

Land Transport • Sea Freight • Air Freight

Packaging Method

Robust Wooden Crates