

# Hydraulic Butt Fusion Welding Machine for Plastic Pipes

This hydraulic butt fusion welding machine is designed for joining plastic pipes. It utilizes a hydraulic system to apply consistent pressure, ensuring strong and reliable joints.



## ADDITIONAL IMAGES



## Overview



Complete hydraulic butt fusion system including frame, power unit, and control panel.

### High-Efficiency Hydraulic Pipe Fusion

This hydraulic butt fusion welding machine is a professional-grade solution for joining thermoplastic pipes including PE, PP, and PVDF. It features a robust frame with a high-precision hydraulic system to ensure consistent pressure and leak-proof joints. Designed for both on-site construction and workshop environments, it provides a reliable and cost-effective method for plumbing, gas, and water distribution projects.

## Core Components



Detailed view of the control box, hydraulic system, milling unit, and heating plate.

### System Components

- Hydraulic Control System
- Basic Machine Frame with Clamping Racks
- Electric Milling Unit (Facing Tool)
- Heating Plate with Temperature Control
- Control Box

## Technical Capabilities

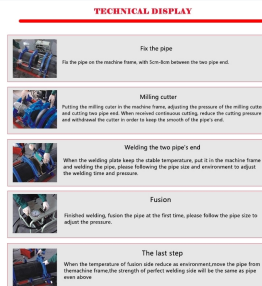
### Applications

Plumbing • Gas Pipelines • Water Supply • Industrial Piping

### Compatible Materials

PE, PP, PVDF, Thermoplastics

## Operation Process



Visual guide showing the sequential steps from pipe fixing to final fusion.

### Standard Operating Procedure

Step	Action	Key Detail
Pipe Fixing	Secure pipes in the frame	Maintain 5cm-8cm gap between ends
Milling	Use milling cutter to plane ends	Continue until shavings are continuous and ends are smooth
Heating	Insert heating plate	Adjust time and pressure based on pipe size and environment
Fusion	Apply hydraulic pressure	Join pipe ends at the specified fusion pressure
Cooling	Reduce temperature naturally	Remove pipe only after cooling to ensure joint strength

## Product Features



Robust frame with multiple clamping rings ensures secure alignment during the welding process.



Integrated control panel allows for precise adjustment of temperature and hydraulic pressure.

### Key Features

- Multiple clamping rings for precise pipe alignment
- Portable design for field use
- Hydraulic cylinders for consistent fusion force
- Integrated control panel with pressure gauges
- Robust metal construction

## Logistics

### PACKING AND DELIVERY



Machines are packed in reinforced wooden crates for international shipping via sea or air.

### Packaging

Protective wooden crates for safe transportation