

# Manual Butt Fusion Welding Machine for Polyethylene Pipes

This manual butt fusion welding machine is designed for joining polyethylene pipes. It provides a reliable method for creating strong, leak-proof pipe connections.



## ADDITIONAL IMAGES



## Overview

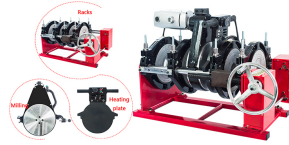


Designed for flexibility and control, ideal for on-site pipe joining applications.

## Professional Butt Fusion Welding

This manual butt fusion welding machine is engineered for the reliable joining of polyethylene (PE) pipes in various industrial, plumbing, and irrigation applications. Featuring a robust frame and precise alignment mechanisms, it ensures consistent, leak-proof connections that match the strength of the original pipe. The portable, hand-operated design provides field technicians with full control over the welding process, including pressure and heating time, making it an essential tool for high-quality on-site piping installations.

## Key Components



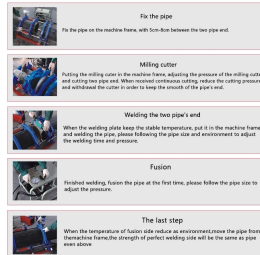
Key components: Robust frame, milling tool, and heating plate for precise pipe preparation.

### Core Components

- Robust machine frame
- Adjustable pipe clamping system
- Electric heating plate
- Manual milling cutter (facing tool)
- Alignment racks
- Hand-operated pressure wheel

## Technical Process

### TECHNICAL DISPLAY



Step-by-step technical guide for the fusion process, from pipe alignment to final cooling.

### Welding Workflow

Step	Action
Preparation	Secure pipes in frame with 5-8cm gap
Milling	Use cutter to face pipe ends for smooth surface
Heating	Apply heating plate at controlled temperature
Fusion	Join pipe ends under adjusted pressure
Cooling	Allow joint to cool to ambient temperature

## Applications

Suitable Applications

Plumbing Systems, Gas Pipelines, Industrial Piping, Irrigation Systems, Water Supply

## Operation & Features



Precise clamping system ensures perfect alignment for strong, leak-proof joints.

### Operational Features

Manual Operation • Portable Design • Adjustable Pressure • Precise Alignment • Leak-Proof Joints