

# Manual HDPE Pipe Butt Fusion Welding Machine

This manual welding machine is designed for butt joint welding of HDPE plastic pipes. It ensures precise alignment and fusion, resulting in strong and leak-proof connections.



## ADDITIONAL IMAGES



## Overview



A complete view of the welding system, including the frame, heater, and facer.

### Professional HDPE Butt Fusion Welding

This high-quality manual butt fusion welding machine is engineered for creating strong, leak-proof joints in High-Density Polyethylene (HDPE) pipes. Designed for versatility, it is suitable for both on-site and workshop environments, making it an essential tool for plumbing, irrigation, gas, and water pipeline installations. The system utilizes a robust frame with precise alignment mechanisms, ensuring consistent and durable pipe connections.

## Technical Specifications



The robust clamping system ensures precise alignment for pipes between 63mm and 160mm.

### Supported Pipe Diameter

**63 mm**

Minimum Diameter

**160 mm**

Maximum Diameter

### Included Components

- Robust machine frame
- Adjustable pipe clamps
- Facing tool (milling cutter)
- Temperature-controlled heating plate
- Manual handwheel carriage

### Operation Method

Manual

## Applications & Use



Designed for reliable performance in plumbing and industrial applications.

### Primary Applications

Plumbing, Irrigation, Gas Pipeline, Water Supply, Industrial Piping

## Operation Process

### Standard Welding Procedure

Step	Action
1. Preparation	Fix pipes in the frame with 5-8cm gap
2. Facing	Use milling cutter to ensure smooth pipe ends
3. Heating	Apply heating plate at stable temperature
4. Fusion	Apply controlled pressure to join ends
5. Cooling	Allow joint to cool before removal

### PACKING AND DELIVERY



The machine is securely packaged for safe transport via land, sea, or air.

### Shipping Packaging

Wooden Crate • Secure Packaging • Truck/Ship/Air Ready