

315mm-355mm HDPE PE Pipe Butt Fusion Welding Machine

This hydraulic butt fusion welding machine joins HDPE and PE pipes. It is suitable for 315mm and 355mm pipe sizes, ensuring strong and reliable welds.



ADDITIONAL IMAGES



Product Overview



A robust hydraulic system designed for precise alignment and consistent welding of large diameter HDPE pipes.

High-Performance Hydraulic Butt Fusion Welding

The HDC355 is a robust hydraulic butt fusion welding machine specifically engineered for joining HDPE and PE pipes with precision. It features a comprehensive system including a hydraulic station, milling cutter, and heating plate to ensure leak-proof, high-strength joints that meet or exceed the pipe's original integrity. This versatile machine is ideal for critical infrastructure projects in water supply, gas distribution, and industrial piping.

Key Performance Metrics

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4.95 kW
Total Power

220 V
Voltage

210 kg
Gross Weight

0.74 m³
Total Volume

Technical Specifications



The heavy-duty frame ensures stability and accurate pressure control during the fusion process.

Compatible Materials

HDPE • PE • Polyethylene

Welding Range (Diameter)

160mm, 180mm, 200mm, 225mm, 250mm, 280mm, 315mm, 355mm

Component Details

System Components & Dimensions

Component	Dimensions (cm)	Weight (kg)
Machine Rack	94 x 64 x 62	111.5
Milling Cutter	60 x 39 x 63	32
Heating Plate	50 x 6 x 57	10.3
Hydraulic Station	58 x 47 x 47	41.5
Support Basket	52.5 x 28.5 x 59	5.9

Operational Process



Suitable for various infrastructure applications including water and gas pipelines.



Demonstration of the machine's capability in creating reliable, high-strength pipe joints.

Welding Procedure

- Fix pipes in the frame with a 5cm-8cm gap
- Use milling cutter to smooth and square pipe ends
- Insert heating plate once stable temperature is reached
- Apply hydraulic pressure for fusion according to pipe size
- Allow joint to cool naturally to ensure maximum weld strength

Logistics

Packaging Details

- Package 1: 99 x 65 x 61 cm
- Package 2: 74 x 71 x 66 cm
- Total Net Weight: 201.2 kg