



Hydraulic Buttfusion Welding Machines 450-800mm

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Hydraulic Butt Fusion Welding Machines: Heavy-Duty Solutions for Industrial-Scale Pipelines

Engineered for the most demanding applications, our Hydraulic Butt Fusion Welding Machine series delivers unmatched strength and precision for large-diameter pipelines. From municipal infrastructure to heavy industrial projects, these machines are built to handle the toughest welding challenges with ease. Explore our four powerhouse models, each designed to tackle specific pipeline scales while sharing advanced features for flawless, code-compliant welds.

Machine-450: Mid-Range Industrial Power

- **Working Range :** 280–450 mm
- **Max Power :** 8.7 kW | **Weight :** 388 kg
- Perfect for municipal water systems, gas distribution, and mid-sized industrial pipelines, this machine balances power and portability for projects requiring reliability and efficiency.

Machine-500: Heavy-Duty Versatility

- **Working Range :** 315–500 mm
- **Max Power :** 10.3 kW | **Weight :** 400 kg
- Tackle larger pipelines with confidence. Ideal for wastewater treatment plants, chemical transport, and high-pressure utility networks, this model combines robust performance with precise temperature control.

Machine-630: Ultra-Wide Range Performance

- **Working Range :** 400–630 mm
- **Max Power :** 12.35 kW | **Weight :** 617 kg
- Built for industrial-scale projects like mining infrastructure, oil and gas pipelines, and large-diameter ducts, this machine delivers exceptional power and stability for critical applications.

Machine-800: Maximum Capacity for Extreme Projects

- **Working Range :** 630–800 mm
- **Max Power :** 16.9 kW | **Weight :** 1440 kg
- Our flagship model dominates the largest pipelines, including power plant installations, offshore systems, and mega-infrastructure projects. Its rugged 1440 kg frame ensures unwavering stability under extreme loads.

Shared Features for Superior Results

- **Materials :** Welds HDPE, PP, PB, and PVDF with ease.
- **Power Supply :** 380V/415V (50Hz/60Hz) for industrial-grade performance.
- **Temperature Control :** Maintains 170–250°C ($\pm 7^\circ\text{C}$) with a max of 270°C for flawless joints.
- **Optional Accessories :** Stub end holder, data logger, and custom inserts for enhanced precision and compliance.

Why Choose Our Series?

- **Scalability :** From 280 mm to 800 mm—engineered for projects of any scale.
- **Durability :** Heavy-duty frames and industrial-grade components for long-lasting reliability.
- **Precision :** Advanced thermal management and hydraulic systems for leak-proof welds.

Transform Your Industrial Pipeline Projects

Whether you're building critical infrastructure or expanding industrial networks, our Hydraulic Butt Fusion Welding Machines set the standard for efficiency and strength.

Ready to Elevate Your Welding Capabilities?

Contact us today to discuss your project requirements, request a quote, or schedule a live demonstration. With four models designed for excellence, we've got your pipeline welding needs covered.

Product Specifications :

- **Machine-450 :** 280–450 mm | 8.7 kW | 388 kg
- **Machine-500 :** 315–500 mm | 10.3 kW | 400 kg
- **Machine-630 :** 400–630 mm | 12.35 kW | 617 kg
- **Machine-800 :** 630–800 mm | 16.9 kW | 1440 kg

Shared Features :

- **Materials :** HDPE, PP, PB, PVDF
- **Power Supply :** 380V/415V, 50Hz/60Hz
- **Temperature Range :** 170–250°C ($\pm 7^\circ\text{C}$), Max 270°C
- **Optional Accessories :** Stub end holder, Data logger, Special inserts

From industrial pipelines to mega-projects—engineered to weld bigger, stronger, smarter.

Model	450	500	630	800
Working Range	280-450Mm	315-500Mm	400-630Mm	630-800 Mm
Welding Material	HDPE, PP, PB, PVDF	HDPE, PP, PB, PVDF	HDPE, PP, PB, PVDF	HDPE, PP, PB, PVDF
Power Supply	380V/415V 50Hz/60Hz	380V/415V 50Hz/60Hz	380V/415V 50Hz/60Hz	380V/415V 50Hz/60Hz
Max total power absorbed	8.7 KW	10.3 KW	12.35 KW	16.9 KW
Working Temperature	170-250°C($\pm 7^\circ\text{C}$)MAX 270°C	170-250°C($\pm 7^\circ\text{C}$)MAX 270°C	170-250°C($\pm 7^\circ\text{C}$)MAX 270°C	170-250°C($\pm 7^\circ\text{C}$)MAX 270°C
Total weight	388 kgs	400 kgs	617 kgs	1440 kgs



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