

Automatic Submerged Arc Welding Machine

This automatic submerged arc welding machine is designed for various welding applications. It is widely used in industries such as petroleum, chemical, power supply, and metallurgy.



Overview

High-Performance Submerged Arc Welding

The MZ1000/1250 is a heavy-duty automatic submerged arc welding machine designed for industrial-grade applications, including petroleum, chemical, and aerospace sectors. Utilizing sophisticated full-bridge inverter technology with dual IGBTs, it offers stable welding performance even with fluctuating input voltage. Its precise closed-loop control system and intelligent wire feeding ensure high-quality welding seams, energy efficiency, and reliable operation in demanding environments.

Technical Specifications

Input Power Voltage	380V \pm 15% 50/60Hz
Rated Input Capacity	17 KVA
Duty Cycle	60 %

Performance Metrics

Output Current Range

113 A

Min Current

1000 A

Max Current

Arc Force Adjustment	0-100 A
Efficiency	85 %
Power Factor	>0.93

Physical Attributes

Protection Class	IP21S
Insulation Class	F
Dimensions	755 x 365 x 700 mm
Weight	85 Kg

Application Details

Applicable Materials

- Carbon Steel
- Stainless Steel
- Heat-Resistant Steel

Welding Manners

Thick Wire SAW, Carbon Arc Air Gouging, Electrode Welding