

# Automatic Submerged Arc Welding Machine

This automatic welding machine is designed for efficient and high-quality welding. It features inverter full bridge soft switch technology.



## Overview

### Advanced Submerged Arc Welding Technology

This new-generation inverter submerged arc welding machine utilizes advanced 20KHZ soft-switching inverter technology based on IGBT and microcrystal magnetic cores. It features digital circuit control for high-precision regulation of current, voltage, and speed, ensuring stable arcs and superior weld formation. Designed for rugged environments, the unit includes waterproof shell protection and high-efficiency power consumption, making it an ideal choice for demanding industrial welding applications.

## Technical Performance

### Minimum Arc Static Current

**20 A**

Arc Static Current

Inverter Frequency	20 KHZ
Power Consumption Efficiency	90 %
Power Factor	0.89

## Operational Features

### Welding Versatility

- Submerged Arc Welding
- Manual Arc Welding
- Carbon Arc Air Gouging

### Key Capabilities

Voltage Fluctuation Compensation, Arc-Starting Current Adjustment, Thrust Current Adjustment, Digital Circuit Control, Manual Arc-Welding Compatible

## Safety & Standards

### Compliance & Protection

CCC Certified • GB15579.1-2004 Standard • IP21S Protection Grade • F Insulation Grade

### Environmental Suitability

Suitable for field use; waterproof design for rugged environments.