

Gantry Automatic Submerged Arc Welding Machine

This automatic welding machine utilizes a gantry structure for stability and precision when working with large workpieces. It integrates seam tracking, wire feeding, and flux recovery systems with an electrical control system and SAW welding power.



ADDITIONAL IMAGES



Product Overview

Automated Gantry Welding Solution

This Gantry Automatic Submerged Arc Welding (SAW) machine is engineered for high-efficiency welding of H-beam steel. The system features a robust gantry structure equipped with dual welding heads for simultaneous operation, ensuring consistent weld quality and increased productivity. It integrates advanced components, including a seam tracking device, wire feeding system, and an automatic flux recovery mechanism to streamline the welding process.

Technical Parameters

| | |
|---------------------|-------------------|
| Gantry Frame Gauge | 4000 mm |
| Welding Method | Boat-type welding |
| H-Beam Height Range | 200-1500 mm |
| Flange Plate Width | 200-800 mm |

Performance Metrics

Welding Velocity

0.25 M/min

Min Welding Speed

1.5 M/min

Max Welding Speed

Return Speed

3 M/min

Power Requirements

System Power Ratings

| Component | Power | Unit |
|---------------|-------|------|
| Main Machine | 3.3 | KW |
| Flux Recovery | 3 | KW |

System Components

Included Components

- Trolley
- Vertical column
- Upper platform
- Tool carriage mechanism
- Seam tracking device
- Wire feeding device
- Wire reel supporter
- Flux recovery system
- Electrical control system
- SAW welding power