

Gantry Submerged Arc Welding Line

The Gantry Submerged Arc Welding Line is an automated welding system designed for high-deposition-rate welding of thick materials. It features a gantry structure that supports one or more welding heads, allowing for precise and efficient welding along long seams.



ADDITIONAL IMAGES



Overview

High-Efficiency Gantry Welding System

This Gantry Submerged Arc Welding (SAW) line is an automated system engineered for the high-deposition-rate welding of thick materials, such as box-shaped columns, H-beams, and T-beams. It utilizes a gantry structure to support one or more welding heads, ensuring precise and efficient longitudinal seam welding. Designed for heavy-duty applications, the system provides deep-penetration welds with minimal spatter and distortion, making it an essential solution for industries requiring high-quality structural steel fabrication.

Technical Capabilities

System Features

- Automatic wire feeding
- Flux delivery and recovery system
- Replaceable welding gun parts for H/T type steel
- Programmable control system
- Arc shields and emergency stop mechanisms

Welding Process	Submerged Arc Welding (SAW)
Welding Configuration	Unipolar, Multipolar
Compatible Materials	Carbon Steel, Stainless Steel, Alloy Steels

Compliance & Standards

Certifications

CE • ISO 9001:2000 • UKAS

Industry Applications

Primary Industries

- Shipbuilding
- Pressure vessel fabrication
- Heavy equipment manufacturing
- Construction
- Chemical industry