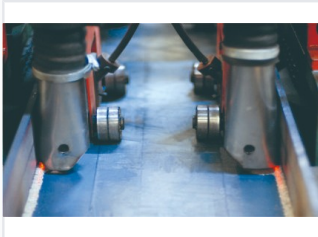


H-Beam Welding Line

The H-beam welding line assembles, welds, and transmits H-beams using an automated system. This system is capable of completing 180° turnover operations with an annual welding capacity of 8000 tons.



ADDITIONAL IMAGES



Overview

Automated H-Beam Fabrication

This H-beam welding line is a sophisticated, automated system engineered for the efficient and precise fabrication of structural steel beams. By integrating material handling, pre-processing, welding, and post-processing stages into a seamless workflow, it significantly streamlines production while minimizing manual intervention. The system utilizes programmable logic controllers to optimize welding parameters, ensuring consistent, high-quality results across a wide range of beam sizes and thicknesses.

Technical Specifications

Web Width	300-1500 mm
Web Thickness	3-12 mm
Flange Width	150-500 mm
Flange Thickness	5-20 mm
H-Beam Length Capacity	4000-15000 mm
Max H-Beam Weight	4000 kg
Inclination of H-Beam	d15°

Power and Performance

Total Power Requirement	64KW + 90KVA x 4
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Features

Key Capabilities

- Automated material handling and conveyor system
- Programmable logic controller (PLC) integration
- Real-time weld quality monitoring sensors
- Integrated safety light curtains
- Emergency stop safety systems