

H-Beam Horizontal Welding Production Line

The horizontal H-beam production line is a specialized welding system for assembling and welding H-beams. It offers higher production efficiency and reduced welding deformation compared to vertical lines, making it suitable for light-duty H-beam welding.



ADDITIONAL IMAGES



Overview

Horizontal H-Beam Production Efficiency

This horizontal H-beam production line is engineered for high-efficiency assembly and welding, specifically optimized for light-duty H-beams. By utilizing a horizontal configuration, the system significantly reduces welding deformation compared to traditional vertical methods while enabling simultaneous two-seam welding. The line integrates assembly, welding, overturning, and conveying into a streamlined process that requires minimal operator intervention.

Performance Metrics

Welding Speed

1.2 m/min

Welding Speed

Max Workpiece Weight

4000 kg

Required Operators

4-5 operators

Technical Specifications

Web Dimensions

| Parameter | Range |
|---------------|-------------|
| Web Height | 300-1500 mm |
| Web Thickness | 4-16 mm |

Flange Dimensions

| Parameter | Range |
|------------------|------------|
| Flange Width | 150-500 mm |
| Flange Thickness | 5-20 mm |

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|----------------------|-----------------|
| Beam Length Capacity | 4000 - 15000 mm |
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|----------------------------------|--------|
| Max Variable Cross Section Angle | 15 deg |
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Features

Key Features

- Integrated assembly, welding, overturning, and conveying
- Dual-wire, single-arc welding configuration
- Horizontal orientation reduces welding deformation
- Suitable for variable H-beam sections
- High level of automation

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| System Highlights | Horizontal Welding, Automated System, High Efficiency, Reduced Deformation |
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