

# 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

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

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