

# H-Beam Assembly Welding Straightening Machine

The assembling welding and straightening integral machine is designed for direct assembling, welding, and straightening of H-beam flanges and web plates. It combines the functions of assembling, gantry welding, and straightening into a single machine for efficient H-beam and T-beam production.



## ADDITIONAL IMAGES



## Overview

### Integrated H-Beam Fabrication

This H-beam assembly, welding, and straightening integral machine streamlines production by combining three critical processes into one efficient system. Designed for both H-beam and T-beam manufacturing, it significantly reduces production time, floor space requirements, and labor costs. The equipment features a robust, automated design that ensures high precision and consistent quality for structural steel applications.

## Capacity & Dimensions

Web Height	200 mm
Web Thickness	6 mm
Flange Width	200 mm
Flange Thickness	6 mm
Workpiece Length	4000-15000 mm

## Performance

### Assembling & Welding Speed

**0.3 m/min**

Min Speed

**3 m/min**

Max Speed

## Technical Specifications

### Power Consumption Table

Component	Power Rating
Main Machine	4 kW
Conveyor Roller	2.2 kW
Flux Recycling System	6 kW
Hydraulic Station	5.5 kW

### Welding Source Power

- Lincoln DC-1000: 138 kW
- Zhouxiang MZ-1250: 120 kW

## Components

### Included Systems

Assembling & Welding Main Machine, Assistant Straightening Machine, Pre-centering System, Driving Roller Conveyor, Idle Roller Conveyor, Flux Recycling System, Hydraulic System, Electrical Controlling System