

# H-Beam Assembly Machine

The H-beam assembly machine quickly spot welds flanges and webs together. This process ensures accurate alignment, improving the production efficiency and quality of finished H-beams.



## ADDITIONAL IMAGES



## Overview

### Precision H-Beam Assembly

The H-Beam Assembly Machine is engineered to streamline the production of structural H-beams by accurately positioning and spot-welding flanges and webs. This robust system utilizes a draw bar centering system, hydraulic clamping, and integrated conveyors to ensure consistent alignment and high production efficiency. Designed for versatility, the machine supports both automatic and manual welding configurations to suit specific operational requirements and budget considerations.

## Technical Specifications

H-Beam Height Range	200 mm
Web Thickness Range	6 mm
Flange Width Range	200 mm
Flange Thickness Range	6 mm
Workpiece Length Range	4000 mm

## Performance Metrics

### Assembly Speed

**0.5 m/min**

Minimum Speed

**6 m/min**

Maximum Speed

### Power Consumption

**5.5 kW**

Main Machine Power

**4 kW**

Hydraulic Station Power

## System Components

### Included Components

- Main assembly machine
- Draw bar centering system
- Input roller conveyor
- Output roller conveyor
- Hydraulic system
- Electric control system
- CO2 Gas Shielded Welding machines

### Welding Modes

Automatic Welding, Manual Welding