

# Hydraulic Flange Straightening Machine

This hydraulic straightening machine is designed for rectifying deformed flanges. It utilizes hydraulic cylinders to press straightening wheels against the flange, correcting the deformation.



## ADDITIONAL IMAGES



## Overview

### Hydraulic H-Beam Flange Straightening Machine

This hydraulic straightening machine is specifically engineered for rectifying deformations in H-beam flanges. Utilizing a precise hydraulic system, it applies controlled pressure through upper and lower straightening wheels to restore structural integrity. The equipment is built with a comprehensive set of components including cycloid and column gear reducers, universal couplings, and a robust conveying system, making it an essential tool for high-precision industrial metalworking.

## Technical Specifications

Plate Thickness Range	60 mm
Flange Width Range	200-1000 mm
Minimum Web Height	350 mm
Straightening Speed	6.15 m/min
Working Pressure	25 MPa

## Performance Metrics

### Main Transmission Motor

<b>22 kW</b> Main Motor Power	<b>5.5 kW</b> Hydraulic Station Motor
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Compatible Material	Q345, 16Mn
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## Capacity Table

### Flange Thickness and Width Relations

Flange Thickness (S) mm	Flange Width (B) mm
20-30	200-1000
30-40	400-1000
40-50	600-1000
50-60	800-1000

## System Components

### Included Components

- Cycloid reducer
- Column gear reducer
- Universal coupling
- Hydraulic system
- Electrical control system
- Conveying roller