

H Beam Straightening Machine

JINFENG WELDCUT is a professional China manufacturer and supplier of H beam straightening machines with affordable price. The H beam straightening machines are high performance machines to press the flange of the H beam to be straight level, to remove the mushroom deforming of the flange of H beam , which is caused by the welding shrinking from the heat

created by submerged arc welding.

JZ40/YJZ60A/YJZ60B/YJZ80 H Beam Straightening Machine

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For all the **H Beam Straightening Machines** that manufactured by JINFENG WELDCUT will have 2 years warranty, which are the highest efficiency machine to increase the productivity for End-users from steel structure, bridge, construction.

Specifications

Model	JZ40	YJZ60A	YJZ60B	YJZ80B	YJZ80C
Type	Mechanical	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Flange width(mm)	200-800	200-800	200-800	200-800	200-1200
Web height (mm)	200-1500	200-1800	220-2500	450-1800	450-3000
Flange thickness	Q235	6-40mm	6-60mm	6-80mm	6-100mm
	Q345	6-30mm	6-40mm	6-60mm	6-80mm
Input roller table	10m, idler	12m, idler	12m, power	12m, Hydraulic	
Output roller table	10m, idler	12m, idler	12m, power	12m, Hydraulic	
Straightening speed	11m/min	8.5m/min	6.7m/min	6.0m/min	4.7m/min
Hydraulic station	NO	YES	YES	YES	YES
Machine power	11kw+1.1kw*2 =13.2KW	11kw+4KW =15KW	11KW+4KW =15KW	15KW+7.5KW +2.2KW*2 =26.9KW	22KW+7.5KW +3KW*2 =35.5KW



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Hydraulic pressure	NO	16 Mpa	16 Mpa	16 Mpa	16 Mpa
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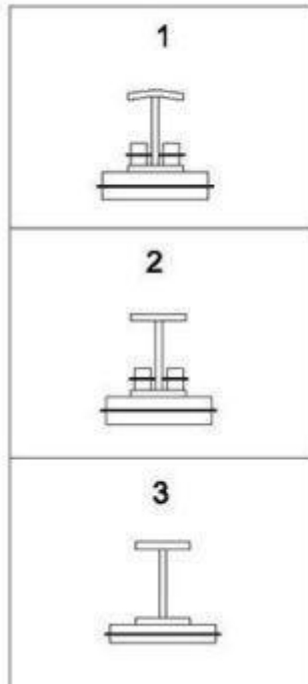
Feature And Application

H-beam straightening machines is suitable for straightening the welded "T" and "H" profiles. After the profile is welded, the flange plate is deformed due to the shrinkage of the weld, it must be corrected to become a qualified workpiece. So this machine is a better flange straightening equipment. The machine has large straightening force, fast straightening speed, small footprint, low energy consumption, easy operation, and reliable work. It is especially suitable for steel construction, shipbuilding industry and other mass production enterprises of "T" or "H" beam.



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Straightening



1. use overhead crane to H beam that after SAW welding fully on 4 seams from A to D. Then use overhead crane to lift the H-beam and put on the roller of JZ40 machine at vertical position as Picture 1 showed. And operate JZ40 to straighten on the 1st flange in forward and backward direction several times until the flange is straight.

2. after the 1st flange is straightened, then use overhead crane to turn the H-beam at put the 2nd flange on the rollers of JZ40 as picture 2 showed. Then operate the JZ40 to straighten the 2nd flange as the 1st flange.

3. after straightening, then the flange of H beam will like Picture 3 showed.

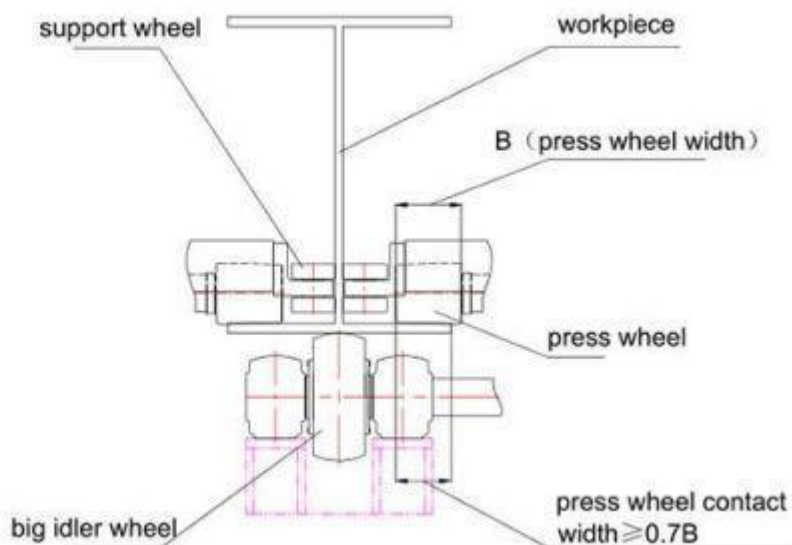
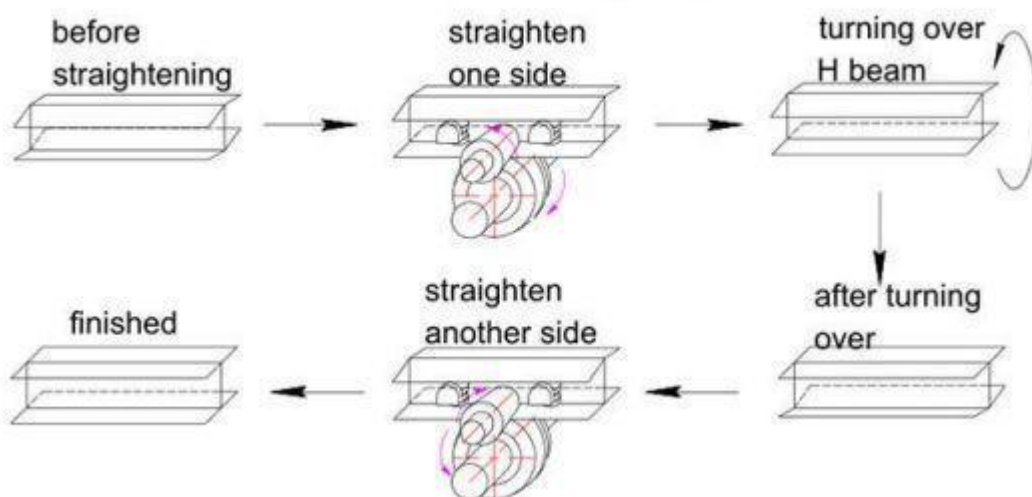


Fig 1: Working principle



Details

The H-beam straightening machines consists of base seat, left/right box structure, web clamping device, main transmission mechanism, hydraulic and electrical control system, and transporting conveyor roller etc.

Structure view

1. JZ40 H beam flange straightening machine

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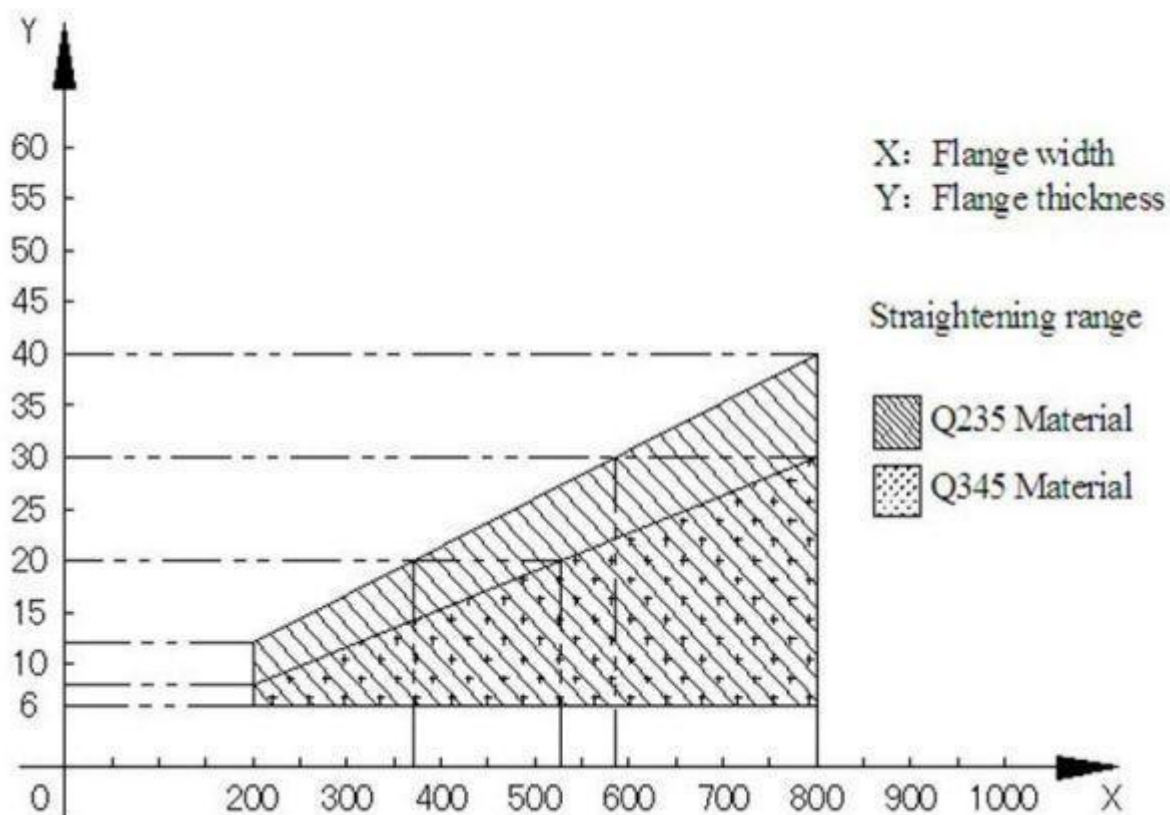
Straightening capability: Y is flange thickness, X is the flange width

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JZ40 Straightening Data



2. YJZ60A Hydraulic H beam flange straightening machine



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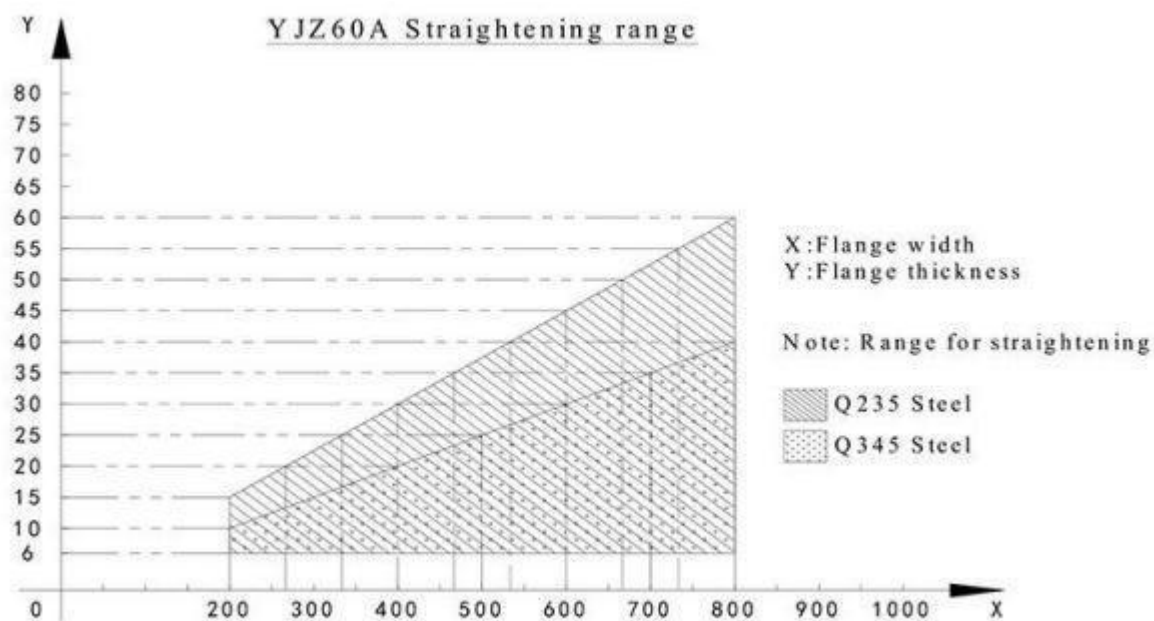
Straightening capability: Y is flange thickness, X is the flange width

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3. YJZ60B Hydraulic H beam flange straightening machine



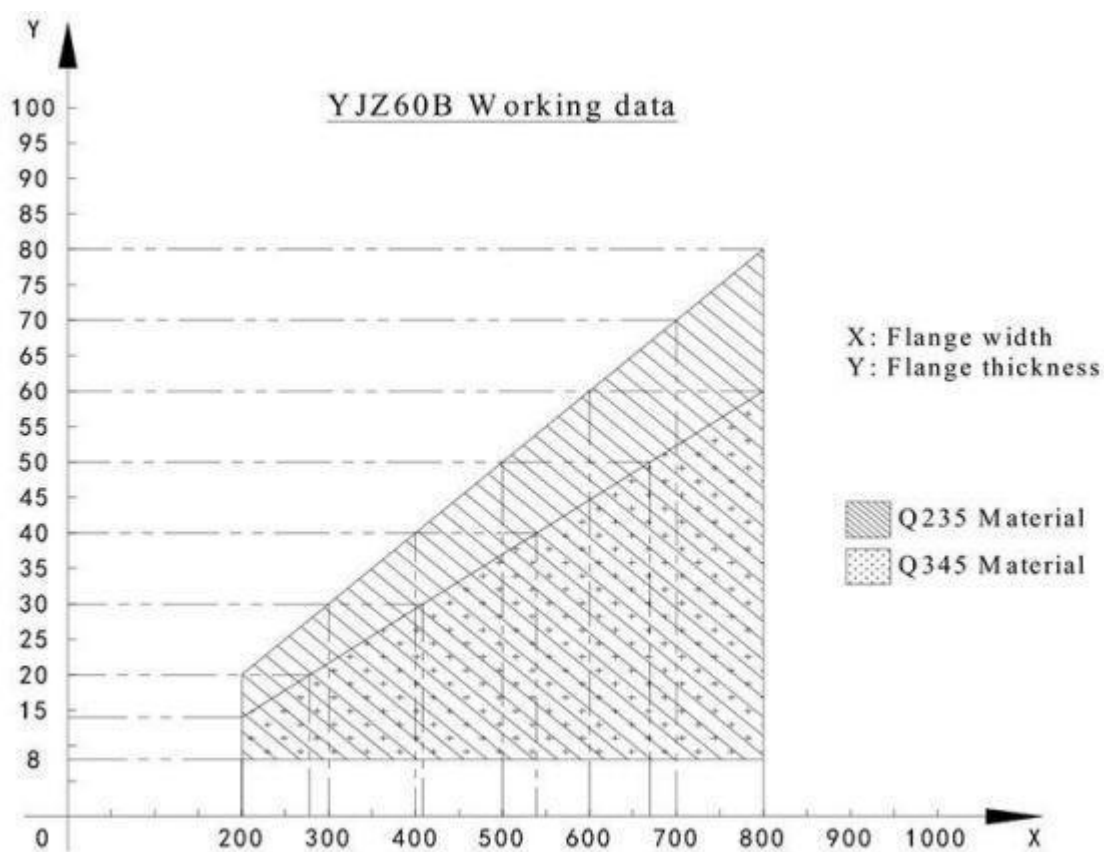
Straightening capability: Y is flange thickness, X is the flange width

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4. YJZ808 Hydraulic H beam flange straightening machine



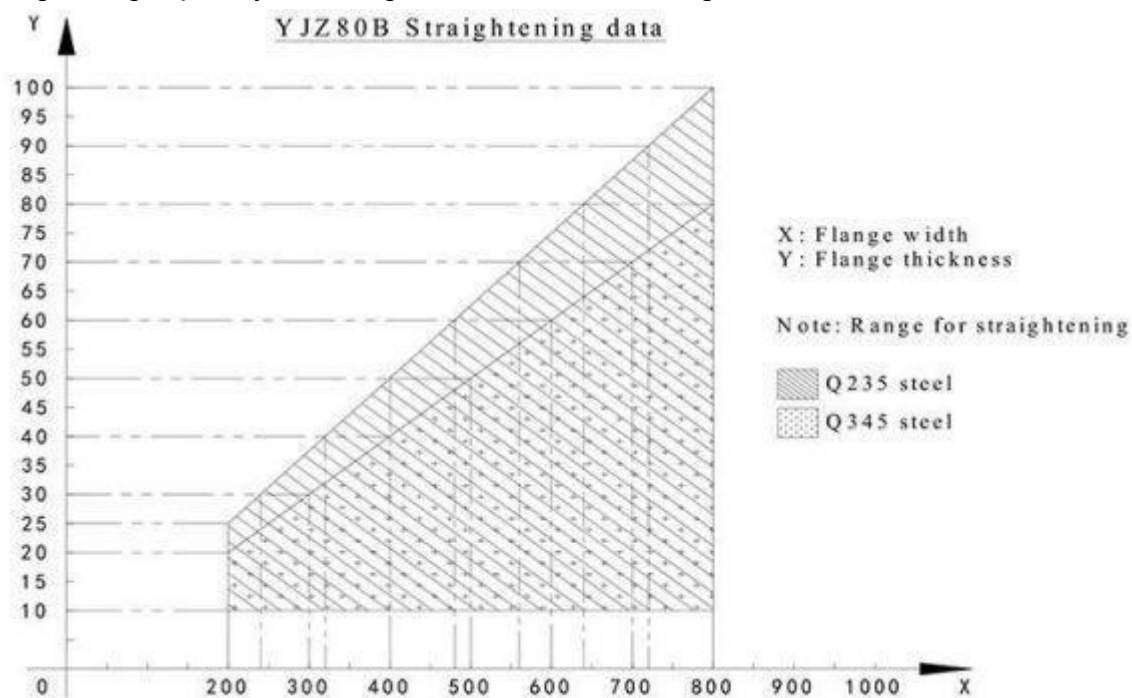
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Straightening capability: Y is flange thickness, X is the flange width



H-beam straightening machines installed in Users' factory

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