

Model	STS-150	STS-200	STS-300	STS-350
Max. material width	150mm	200mm	300mm	350mm
Material thickness	0.4-2.2mm			
Straightening speed	16m/min			
Motor	1HP*4P	2HP*4P	2HP*4P	3HP*4P
Rough straightening roller diameter	Φ45mm			
Rough straightening roller quantity	2/3(up/down)			
Precise straightening roller diameter	Φ34mm			
Precise straightening roller quantity	7/8(up/down)			
Guide roller	Φ80*4mm			
Size	1.6*1.0*1.5m <sup>3</sup>	1.6*1.05*1.5m <sup>3</sup>	1.6*1.15*1.5m <sup>3</sup>	1.6*1.2*1.5m <sup>3</sup>

#### Feature of STS straightener

1. This is a special designed straightener for medium thick products that need improving the high precision punching treatment. As we all know, coil materials can not produce good products without the flattening and stress relieving treatments; therefore, the performance of the straightener is critical in the production process.
2. Since the curvature of each point is different, it's difficult to reach high precision straightening requirement by only rectifying roll laying. STL adopts rough straightening for the wide rows, precise straightening for narrow rows and diverse laying principle. The rough straightening brings the material the same bend arcs, then use the precise straightening to meet the customer punching requirement.
3. The flattening and the straightening secondary wheels adopt the imported SUJ2, milling after HRC60°heat treatment and starts production after plating the hard chrome to ensure evenness of the chrome layers and the form tolerances of each bearing.
4. Rough straightening adopts the worm wheel and screw synchronous pushing down dial mechanism, with dial indicator which can find the leveling point rapidly.
5. The precise straightening adopts the floating four-point balancing equipment, with the dial indicator which can find the leveling point rapidly.
6. Adopts the cardan joint and the gear transmission, suitable for straightening high precision requirement products.
7. Except the straightening roller the additional feeding wheel improves the punching precision.
8. Each straightening wheel of the S series precision straightener adopts the flattening satellite wheel to prevent the distortion in the manufacturing process from happening, which improved the products flatness quality.
9. With the fixed top and bottom secondary roller enhanced the top and bottom wheel rigidity and prevent it distorts.
10. Due to the differences of the material quality, width and thickness, there are no fixed values as the preferences; therefore, taking some materials for pilot run before the mass production and start the continuous assembly after it reaches the standard.