

CNC Busbar Punching Shearing Machine

HQ600-S-7/8P Series

数控母线冲剪机

Functions

Processing copper and aluminum busbars involves cutting, punching, chamfering, and (including round, square, irregular holes, and slots).

Features

- This machine specializes in processing copper and aluminum busbars for high and low voltage systems, offering high efficiency, low energy consumption, precision, ease of use, and a modern design.
- This machine features unique processing principles, a patented hydraulic cylinder system, and a daily capacity of several tons, making it the top choice for busbar processing.
- It allows single clamping for long busbars, automating punching and shearing without manual intervention through automatic clamp switching. Optional 7/8-punch and 1-shear inline die sets; embossing available.
- Cutting dies is a single pole type hedge Scissor, no waste after shearing.
- The machine comprises a feeding table, mould base, conveying system, servo control unit, and assistant design system, delivering stable and reliable performance.
- Featuring a user-friendly interface and the self-developed BMC busbar processing design system, it provides real-time monitoring of program operations.
- The mould base, made of ductile iron, offers excellent wear resistance, ensuring long-term Concentricity of punching molds.



模具库
Mold Library



拉料夹钳
Pulling Clamp



移动缸伺服系统
Moving Cylinder Servo System

Technical Parameters

型号 Model	HQ400-S-7P/8P	HQ600-S-7P/8P	
Nominal Pressure	400KN	600KN	
Maximum Processing Size	12 × 160mm	15 × 200mm	
Punching Range	Φ4.3-25mm	Φ4.3-35mm	
Maximum Number of Molds	<input type="checkbox"/> 8punch 1shear <input type="checkbox"/> 7punch +1emboss 1shear	<input type="checkbox"/> 8punch 1shear <input type="checkbox"/> 7punch +1emboss 1shear	
Parameter Comparison	X-Axis Max Travel	2000mm	2000mm
	X-Axis Positioning Speed	60m/min	75m/min
	Y-Axis Max Travel	860mm	960mm
	Y-Axis Positioning Speed	35m/min	35m/min
	Z-Axis Max Travel	200mm	310mm
	Z-Axis Positioning Speed	35m/min	35m/min
	Punching Accuracy	±0.2mm	±0.2mm
	Positioning Accuracy	0.10/500mm	0.10/500mm
Punching Speed	100 times/min	120-150 times/min	
Number of Control Axes	6 Axis	6 Axis	
Machine Dimensions (L x W x H)	10500mm × 2750mm × 1700mm	10500mm × 2900mm × 1800mm	

Optional Accessories

Main Motor	Juli	ABB
Hydraulic Pump	Taiwan Hydromax	American Albert
Solenoid Valve	Taiwan Litand	German Rexroth
Guides/Screws	HIWIN / TBI/PMI	HIWIN / TBI/PMI
Servo System	Exton	German Rexroth
Industrial Computer	Taiwan PanelMaster(Touch Scteen)	Beijing Qiyang

Random Accessories

8 sets of punching dies, 1 shear blade, 1 set of maintenance tools, and manuals with certificates included.