CNC Busbar Milling Machine

CNCMN–200A

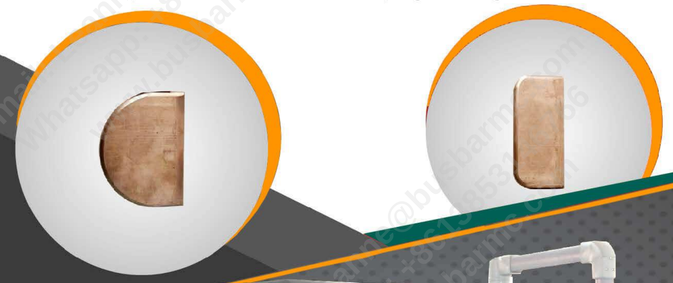
母线圆弧加工中心

Functions

The main function of the busbar arc machining center is to mill corners (arcs) on the ends of copper and aluminum busbars.

Features

- It is mainly used for milling corner arcs on busbars with a thickness of 4–16mm, width of 30–200mm, and length of 150–6000mm.
- It features a gantry–style structure, simple design, smooth operation, and good structural rigidity.
- It is equipped with a six–position inline tool changer, automatically adjusting tool changes based on busbar width.
- It features an automatic work hour counter that cannot be reset, along with a production counter that can be reset.
- The machine uses BT40 tool holders for easy tool change, high rigidity, and precision. A two–axis CNC system is used, offering simple operation and easy maintenance.
- It supports simulated operation and manual online programming.



人机界面
Control Interface HMI

刀库
Knives Mold Base

夹紧机构
Clamping device

Technical Parameters

Item	Parameter Name	Units	Value	备注 Remarks
Cutting section	Spindle speed	r/min	6000	
	Main motor power	KW	3.7	
	Spindle tool holder model		BT40	
Working stroke	Y–axis	mm	500	Ensure that copper busbars within a width range of 160mm can be processed.
	X–axis	mm	525	Ensure that copper busbars within a radius of 100mm can be processed.
Process range	Workpiece thickness	mm	4–16	
	Workpiece width	mm	30–200	
	Workpiece length	mm	150–6000	
Pneumatic system	System working pressure	MPa	0.4–0.6	
Dimensions	Length x Width x Height	mm	2260x1580x2100	
Weight		KG	2100	

Optional Accessories

序号 NO	名称 Name	数量 Quantity	品牌 Brand
1	Ball screw	4套 set	TBI
2	Linear rolling guide rail	4副 pair	上银 Hiwin
3	Servo motor	4台 unit	汇川 Inovance
4	Servo driver	4套 set	汇川 Inovance
5	Pneumatic components	1套 set	汇丰 HSF
6	Spindle	1台 unit	景耀 Jingyao
7	PLC	1台 unit	汇川 Inovance

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