CNC Double–Head Busbar Milling Machine

CNCDMN–200A

数控双头圆弧加工机

Functions

This machine is a high–efficiency, automated busbar corner milling machine controlled by a computer (11–axis CNC), specifically designed for fully CNC–controlled corner milling of copper and aluminum busbars.

Features

- The equipment uses a dual–gantry spindle processing method, and during the busbar processing, no manual intervention is required. It offers advantages such as fast processing speed, high precision, and high efficiency.
- This equipment is mainly used for production lines but can also be used as a standalone machine.
  The conveyors at both ends can be aligned with upstream and downstream equipment for seamless integration, fully achieving automated production line operations. It is widely used in industries such as low and high–voltage switchgear, switch cabinets, and box–type substations.

人机界面
Control Interface HMI

刀库
Knives Mold Base

夹紧机构
Clamping device

Technical Parameters

名称 Name	单位 Units	参数 Parameter
控制轴数 Control axes	轴 axis	11轴 axis
X轴最大有效行程 Max X–axis travel	mm	220（最大加工行程）(Max processing travel)
Y轴最大有效行程 Max Y–axis travel	mm	900
最大装刀数量 Max tool holders	把 set	12（各6把）(6 each)
最大允许板材 Max sheet size	mm	200*16（宽X厚）(Width x Thickness)
最小允许板材 Min sheet size	mm	30*3（宽X厚）(Width x Thickness)
最短允许板材 Min sheet length	mm	200
主机站地面积：Floor area	mm	8000×2100（长×宽）含输送 (Length x Width) including conveyor
电源总功率 Total power consumption	kW	20Kw

Optional Accessories

序号 NO	名称 Name	品牌 Brand
1	加工主轴 Processing spindle	景耀 Jingyao
2	可编程控制器 Programmable controller	汇川 Inovance
3	伺服电机 Servo motor	汇川 Inovance
4	伺服驱动器 Servo driver	汇川 Inovance
传动、液压系统： Drive and hydraulic system:		
1	电磁换向阀 Electromagnetic directional valve	德国力士乐 Rexroth
2	精密滚珠丝杠 Precision ball screw	台湾上银 / TBI
3	精密直线导轨 Precision linear guide rail	台湾HIWIN/银泰