MingD®

广东铭雕数控

Product

Configuration

Details

MD-F450SG

设备名称：斜直一体封边机　　设备型号：MD-450SG

Equipment name: straight edge sealing machine　　Equipment model: MD-450SG

设备品牌：广东铭雕数控　　设备产地：中国、广东、佛山

Equipment brand: MingD　　Equipment origin: China, Guangdong, Foshan

一、设备主要技术参数(PARAMETER)

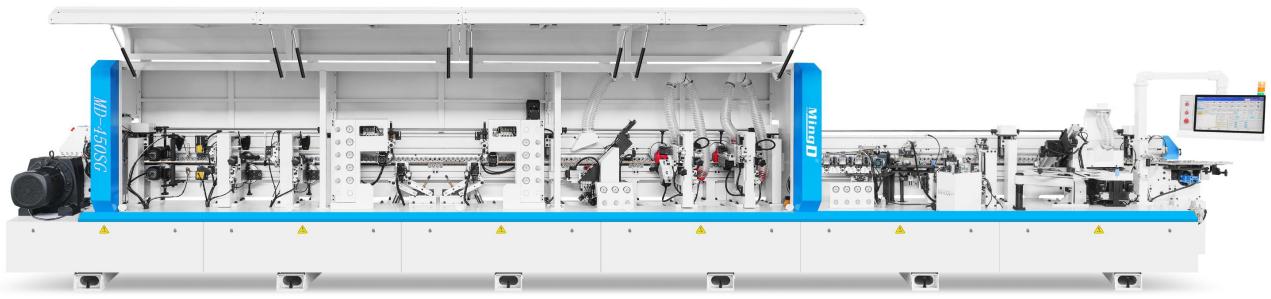
型号 Model	MD-450SG		
设备尺寸 DIMENSION	10350*970*1750mm	设备总功率 TOTAL POWER	22KW
设备气压 AIR PRESSURE	0.6PA　12mm*2	封边带厚度 THICKNESS OF EDGE	0.4-2mm
板材厚度 THICKNESS OF BOARD	直边 8-50mm 斜直边 15-25mm	板材宽度 WIDTH OF BOARD	直边≥60mm 斜直边≥100mm
板材长度 LENTH OF BOARD	≥120mm	进给速度 FEED SPEED	13/20/22 米/min
设备净重 WEIGHT	3500KG	吸尘口 DUST SUCTION HOLE	100mm*4 个
电压 VOLTAGE	380V 50HZ 3PH	语言 LANGUAGE	Chinese&English

二、设备功能（FUNCTIONS）

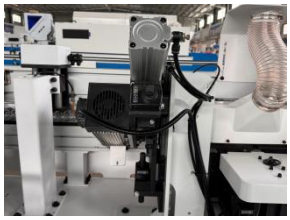
1.上下分离剂 2.双电机预铣 3.45 ° 斜切→4.斜边涂胶→5.直边涂胶→6.V 形封边带刻槽→7.斜直边压贴→8.斜边修边→9.直边修边→10.齐头齐尾→11.斜边刮边→12.直边刮边→13.四电机跟踪倒角→14.平刮→15.上下清洁剂→16.斜边抛光→17.直边抛光

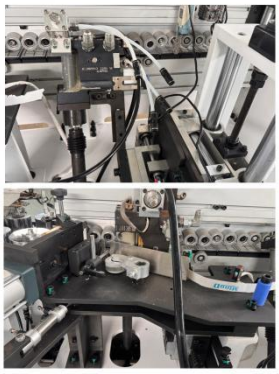
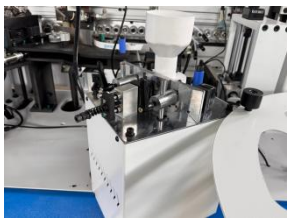
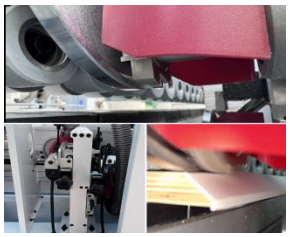
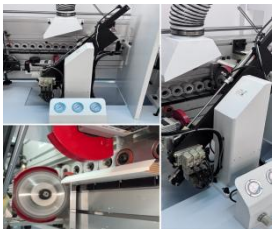
1. Upper/lower separation agent 2. Dual-motor pre-milling 3. 45° bevel cutting → 4. Bevel adhesive application → 5. Straight edge adhesive application → 6. V-shaped edge band groove carving → 7. Beveled-straight edge pressing → 8. Bevel edge trimming → 9. Straight edge trimming → 10. Edge alignment → 11. Bevel edge scraping → 12. Straight edge scraping → 13. Four-motor tracking chamfering → 14. Flat scraping → 15. Upper/lower cleaning → 16. Bevel polishing → 17. Straight edge polishing

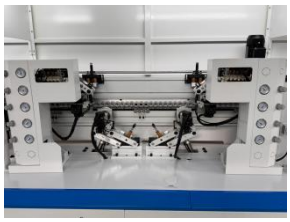
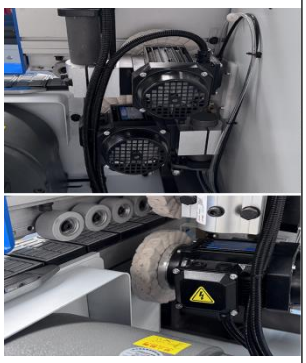
三：设备图片(EQUIPMENT SHOT)



四：功能单元介绍(INTRODUCTION OF FUNCTIONS)

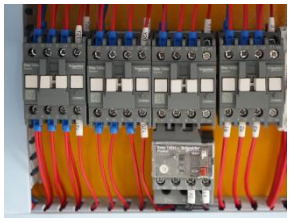
功能单元 FUNCTION	图片 PICTURE	备注	NOTED
触摸屏 TOUCH SCREEN		21 英寸高清触摸屏封边机行业领先的触摸屏供应商，零误触反应灵敏	A leading touch screen supplier for 15-inch high-definition touch screen edge banding machines, with zero false touch and sensitive response
预铣单元 PRE-MILLING UINT		电机功率：2.2KW*2 台 12000R/min 标配铣刀：125*30 H35 高 金刚石预铣刀铣去板材切割时的毛刺，使边带能更好的粘贴板材，增加附着力，双电机一正一反加工，减少崩边。	Motor power: 2.2KW * 2 units, 12000R/min Standard milling cutter: 125*30, H35 height The diamond pre-milling cutter removes burrs during the cutting of the board, enabling the edge tape to adhere better to the board and increasing adhesion. The dual motors, one rotating in the forward direction and the other in the reverse direction, reduce chipping.
45 度锯片 45-degree Saw Blade		直边板材进，自动斜 45 度叠加式锯片粉碎切割，保留 3mm-5mm 直边，斜面干净整洁，不爆边	For straight-edged plates, the system automatically applies a 45-degree inclined layered saw blade for crushing and cutting, preserving a straight edge of 3 – 5 mm with a clean, smooth surface without edge splintering.

斜直边涂胶 Flat&Bevel Gluing		电机功率：0.75KW*2 台 EVA 或 PUR 涂胶使用于批量生产，胶仓容积 1.5L，具有可排胶功能，避免胶水长期在胶锅中加热变色变质，涂胶轴采用 0.8mm 网纹，具有涂胶均匀、胶线小的特点。	Motor power: 0.75 kW (two units). EVA or PUR adhesive is used for mass production; the adhesive reservoir has a capacity of 1.5 L and features an automatic drainage system to prevent color fading or degradation due to prolonged heating in the tank. The coating roller employs a 0.8 mm mesh pattern, ensuring uniform application with fine lines.
斜直边压贴 Bevel& straight edge pressing		使板材和密封带两侧压贴，自动弯折形成 45 度斜边	Press the plate and sealing tape against both sides, then automatically bend them to form a 45-degree bevel.
封边带 V 型开槽 Edge banding with V-shaped groove		电机功率：0.55kw*1 台 在封边带上水平开槽使封边带在后续压贴时不坍塌	Motor power: 0.55kw*1 Cut a horizontal groove on the edge banding to prevent it from collapsing during subsequent lamination.
烤灯 Bake Lamp		用烤灯加热密封带，使其软化，压贴更牢固;	Heat the sealant with a heat lamp to soften it, for a more secure press fit;
斜/直精修单元 Rough&fine trimming UNIT		电机功率：0.75KW*4 台 12000R/min 刀具规格：56*16*H14*6Z 刀具规格：69*16*H13*6Z*R2 六把 R 刀修复多余的边缘，形成一个圆角，使边缘更美观	Motor power: 0.75KW*4 units 12000R/min Tool specification: 56*16*H14*6Z Tool specification: 69*16*H13*6Z*R2 The six-blade R knife repairs the redundant edge to form a rounded corner, making the trim more beautiful
齐头齐尾单元 END CUT UNIT		电机功率：0.37KW*2 台 12000R/min 锯片规格：104*22*30T 切断板材头尾多余的封边带，此功能单元增加了快速泄压阀和高低双气路设计，有效避免刻板。	Motor power: 0.37KW*2 units 12000R/min Saw blade specification: 104*22*30T Cutting the excess edge band at the head and tail of the plate, this function unit adds a quick pressure relief valve and high and low dual air circuit design, effectively

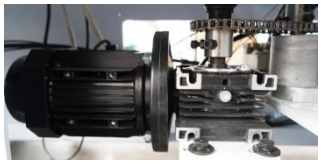
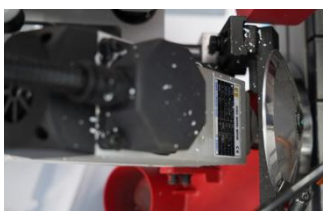
			avoiding the plate.
跟踪倒角单元 CORNER ROUNDING UNIT		电机功率：0.37KW*4 台 12000R/min 刀具规格：70*16*H16*6Z*R2.5 把板材 4 个端头进行仿形跟踪，使 4 个尖角圆润，跟踪结构采用钢结构，更加稳定。	Motor power: 0.37 kW × 4 units; rotational speed: 12,000 R/min. Tool specifications: dimensions 70 × 16 × H16 × 6Z × R2.5 mm; four end edges of the plates are shaped with contour-following technology to achieve smooth corners; the tracking mechanism employs a steel structure for enhanced stability.
斜/直刮边单元 SCRAPING UNIT		刀具规格：20*12*R2 超硬合金刮平封边条细纹。	Tool specifications: 20 × 12 × R2 ultra-hard alloy edge smoothing strip with fine grooves.
斜/直抛光 Diagonal/Linear Polishing		电机功率：0.37KW*4 台 2840R/min 抛光轮会快速抛光密封边缘，使其更光滑、更美观。	Motor power: 0.37 kW × 4 units. The 2840 R/min polishing wheels rapidly polish sealing edges, making them smoother and more aesthetically pleasing.
自动升降高压梁 Automatic lifting high-pressure beam		电机功率：0.37KW*1 台 2840R/min 25cm 铝合金高压梁经久耐用;触控屏电动升降，保证板材不变形，不脱离，封边稳定	Motor power: 0.37 kW (per unit); 2840 R/min high-speed rotation; 25 cm aluminum alloy high-pressure beam for durability; touch-screen controlled electric lifting ensures plate integrity without deformation or detachment, with stable edge sealing.
输送单元 TRANSFER UNIT		电机功率：5.5KW*1 台 输送电机采用大扭矩大功率电机，保证板材输送有力，不卡板，输送平稳静音	Motor Power: 5.5 kW (per unit). The conveying motor employs a high-torque, high-power model to ensure robust plate transportation without jamming, providing smooth and quiet operation.and quiet conveying

五、品牌部件配置

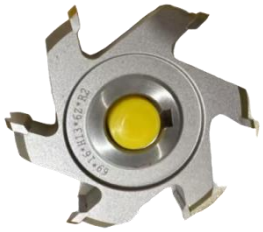
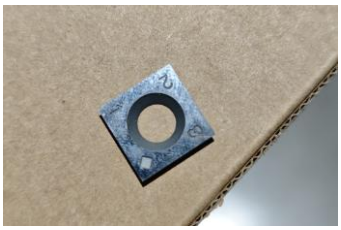
部件名称 PART NAME	图片 PICTURE	国家地区 COUNTRY	品牌 BRAND	备注	NOTED
编码器 ENCODER		韩国 KOREA	Autonics 奥拓尼克斯	编码器将信号或数据进行编制、转换为可用以通讯、传输和存储的信号形式的设备，让封边机可以高精度运行。	The encoder is a device that compiles and converts signals or data into a form of signal that can be used for communication, transmission and storage, so that the edge sealing machine can operate with high precision.
气源处理器 AIR SOURCE PROCESSOR		美国 USA	Pneulead 纽立得气动 扭力得	通过滤芯将空气中水分过滤。	The moisture in the air is filtered through the filter
气压开关 AIR PRESSURE SWITCH		中国 CHINA	MingD 广东铭雕数控	控制气压开启与关闭	Control the opening and closing of the air pressure
电磁阀		美国 USA	Pneulead 纽立得气动 扭力得	控制设备工作精度和运行灵活性	Control the working precision and operational flexibility of the equipment
调压阀 PRESURE VALVE		中国 CHINA	MingD 广东铭雕数控	调节气压大小	Adjust the air pressure

行程开关 LIMIT SWITCH		日本 JAPAN	OMRON 欧姆龙	限制机械运动的位置或行程，使运动机械按设定位置或行程自动停止、反向运动、变速运动或自动往返运动等。	To limit the position or stroke of a mechanical movement, so that the mechanical movement automatically stops at the set position or stroke, reverse motion, variable speed motion or automatic round trip motion.
PLC		中国 CHINA	Inovance 汇川	可编程逻辑控制器通过数字式或模拟式的输入输出来控制设备。	Programmable logic controllers control devices through digital or analog input and output.
接触器 CONNECTOR		法国 FRANCE	Schneider Electric 施耐德	所有电机加热控制，在电路中起着自动调节、安全保护、转换电路作用。	All motor heating control plays the role of automatic adjustment, safety protection and conversion circuit in the circuit.
变频器 INVERTER		中国 CHINA	Inovance 汇川	通过改变电机工作电源频率方式来控制交流电动机的电力控制设备。	An electric control device that controls an AC motor by changing the frequency of the power supply to the motor.
输送电机 TRANSMISSION MOTOR		中国 CHINA	TUO 拓升传动	功率:5.5KW 数量： 1 个	Power: 5.5KW Quantity: 1 pcs

MD-F450SG

升降电机 LIFTING MOTOR		中国 CHINA	LEIPAIDIANJI 镭牌	功率:0.37KW 数量：1 个	Power:0.37KW quantity: 1pcs
涂胶电机 GLUING MOTOR		中国 CHINA	LEIPAIDIANJI 镭牌	功率:0.75KW 数量：2 个	Power:0.75KW quantity: 2pcs
抛光电机 POLISHING MOTOR		中国 CHINA	LEIPAIDIANJI 镭牌	功率:0.37KW 数量：4 个	Power:0.37KW quantity: 4pcs
齐头电机 END CUT MOTOR		中国 CHINA	CC 长川电机 CC MOTOR 长川	功率:0.37KW 数量：2 个	Power:0.37KW quantity: 2pcs
45 ° 斜切电机 45 ° BEVEL CUT MOTOR		中国 CHINA	CC 长川电机 CC MOTOR 长川	功率:3KW 数量：1 个	Power:3KW quantity: 1pcs
修边电机 TRIM MOTOR		中国 CHINA	CC 长川电机 CC MOTOR 长川	功率:0.75KW 数量 4 个	Power:0.75KW quantity: 4pcs
刻槽电机 V-SLOTTING MOTOR		中国 CHINA	CC 长川电机 CC MOTOR 长川	功率:0.55KW 数量：1 个	Power:0.55KW quantity: 1pcs

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直修刀 FLAT TRIM BLADES		中国 CHINA	MingD 广东铭雕数控	材质：合金 尺寸： 56*16*H14*6Z 数量：1 个	Material: alloy Size: 56*16*H14*6Z quantity: 1pcs
精修刀 FINE TRIM BLADES		中国 CHINA	MingD 广东铭雕数控	材质：合金 尺寸： 69*16*H13*6Z-R2 数量：1	Material: alloy Size: 69*16*H13*6Z-R2 quantity: 1
齐头锯片 END CUT SAWS		中国 CHINA	QIDI SAWBLADE 启迪锯片	材质:合金 尺寸:104*3.0*22*30T 数量:2 个	Material: alloy Size:104*3.0*22*30T quantity: 2
刮边刀 SCRAPING BALDES		中国 CHINA	MingD 广东铭雕数控	材质:双刃合金 尺寸:12*20 *2*R1.5 数量:1	Material: double-edge -alloy size:20*12*2*R2 quantity: 1
刮边刀 SCRAPING BALDES		中国 CHINA	MingD 广东铭雕数控	材质:双刃合金 尺寸:14*14*2 30 ° 数量:1	Material: double-edge -alloy size:14*14*2 30 ° quantity: 1
抛光轮 POLISHING WHEEL		中国 CHINA	MingD 广东铭雕数控	参数:150*50*23 数量:2 个	Parameter: 150*50*23 Quantity: 2