

MD530X CNC Single-sided Saw-Milling-Drilling Machine

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meter

Technical parameter :

45 Grinding width range	30-120mm	Saw spindle speed	7600r/min
Processing thickness range	12-50mm	Milling spindle speed	7300r/min
Total installation power	33.85kW	Drill spindle speed	2880r/min
Rated current	68A	Outline dimension	4800mmx2250x1560mm
Source	380V 3P 50Hz	Weight About	2500Kg

Processing efficiency: 3-4 operating cycles per minute

Sawing tools: Chiseling saw (to prevent surface splitting);

Double milling: Two sets of milling tools are used to prevent splitting;

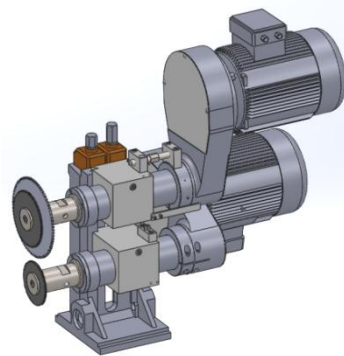
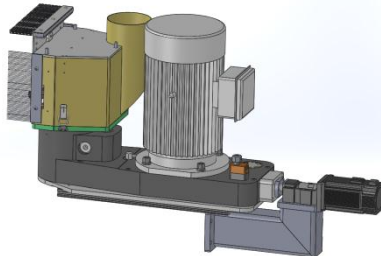
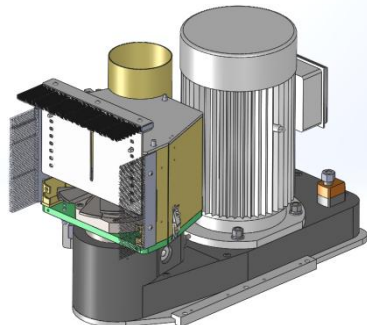
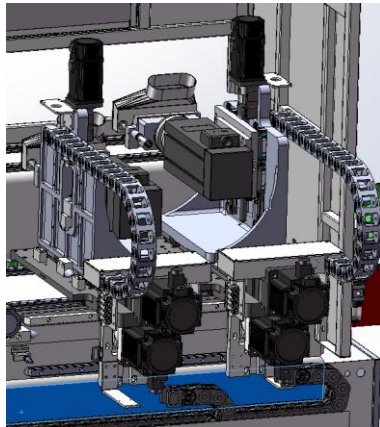
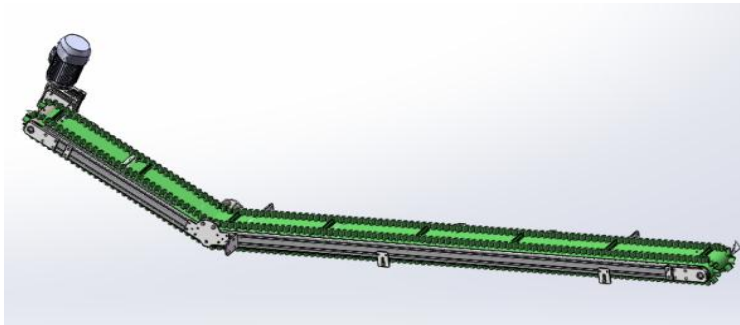
Double Diamond System: No drill bit replacement is required when the hole position changes; hole position adjustment is performed via computer servo control.

Worktable: Equipped with servo-driven feed system, offering high accuracy of $\pm 45^\circ$.



Function

45 degrees for cutting, milling, and drilling cabinet doors.

			
Saw motor power: 3.0 kW / 1 unit Lower saw motor power: 3.0 kW / 1 unit Spindle speed: 7600 r/min Spindle diameter: 30 mm Shaper saw blade diameters: 180 mm / 125 mm Lower saw blade diameter: 150 mm Spindle adjustment range (axial): 50 mm Radial: 60 mm	Servo motor power: 1 kW / 1 unit Motor power: 5.5 kW / 1 unit Spindle speed: 7300 r/min Spindle diameter: $\Phi 35$ mm Milling cutter outer diameter: $\phi 130$; inner hole: $\phi 35$; forward rotation. Spindle adjustment range: Axial: 10 mm Radial: 50 mm	Motor power: 5.5 kW / 1 unit Spindle speed: 7300 r/min Spindle diameter: $\Phi 35$ mm The milling cutter has an outer diameter of $\phi 130$ and an inner hole of $\phi 35$; the adjustable range for the reverse-spindle is: Axial: 10 mm Radial: 50 mm	Drilling motor: 4 kW / 2 units X-direction servo motor: 1 kW / 2 units Y-direction servo motor: 1 kW / 2 units Z-axis servo motors: 1 kW / 2 units Servo-controlled drilling feed ensures high precision and high efficiency;
			
Servo motor: 1 kW Rack: Taiwan brand Servo-controlled feed with constant-length advancement, offering high precision and high efficiency;	Waste Material Conveyor Belt Motor power: 0.75 kW		

Comparison of Advantages of the MD530X Over Traditional Equipment

Using a double-top-and-bottom chiseling saw effectively prevents surface tearing of the workpiece.

Worktable: Equipped with servo-driven feed system, featuring high precision at 45°.

The cylinder-driven feed system for sawing and milling effectively prevents material dragging during backfeeding.

Milling cutter with intermittent cutting: servo feed system effectively prevents cracking.

Dual servo drilling system: eliminates the need to change drill bits when the hole position changes; allows for computer-controlled servo adjustment of hole positions and dimensions.

Waste Material Conveyor Belt: Reduces equipment waste cleaning time

