



Emerald F550

5 Axis Cutting & Machining Centre





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- **Features:**

Online ERP software allowing barcode scanning for automatic processing.

Completes sawing, milling, angular notching and drilling in one process avoiding double handling and extrusion damage.

Moving tool magazine ensures short tool change times and improved production efficiency.

Tool holder carries 10 tools and 2 saw blades, Ø300mm and Ø500mm.

Powerful and stable Hiteco 12kw Electrospindle with max 24000rpm ensures precision and quality.

Light Curtain technology for operator safety.

Customised lengths available, UPS and AC supplied as standard.



Main Accessory	
CNC system	Siemens(German brand) or OSAI (Italian brand)
Servo motor	YASKAWA (Japanese brand)
Reducer (X axis)	APEX(Taiwan brand)
Spindle	HSD or Hiteco (Italian brand)
Square rail	HIWIN (Taiwan brand)
Ball screw	PMI (Taiwan brand)
Rack	APEX (Taiwan brand)
Electrical button and switcher	Swiss CONTRINEX or Japan Omron
Low-voltage apparatus	Schneider (French brand)
Connecting terminals	Weidmüller(German brand)
Electromagnetic valve	AirTAC(Taiwan brand)
Pressure switch	AirTAC(Taiwan brand)
Spindle air source drying filter	SMC (Japanese brand)
Spindle supercharger	SMC (Japanese brand)
Air cylinder	AirTAC (Taiwan brand)



Parameter:			
Power supply	3N~50HZ 380V or customized	Power	28KW
Air pressure	0.5~0.8Mpa	Air consumption	50L/min
Spindle power/ speed	12kw/ 24000r/min	Taper hole of spindle	HSK-63F
X-axis stroke	7000mm	Y-axis stroke	1000mm
Z-axis stroke	550mm	B-axis rotation range	±185°
C-axis rotation range	±320°	X-axis moving speed	0~60m/min
Y-axis moving speed	0~30m/min	Z-axis moving speed	0~30m/min
B-axis working speed	Max7°/"	C-axis working speed	Max7°/"
Tool magazine type	Carrousel type	Tool magazine capacity	11
Lubrication / cooling system	Self-lubrication / Micro atomization cooling	Dimension	9500×3000×2500mm
Weight	11000kg		

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