

Specification		Model	VMC750E	VMC850E
Travel	X axis	mm	762	850
	Y axis	mm	510	
	Z axis	mm	560	
Work table size		mm	1000×580	1100×580
T-slot size (number-width*distance)		mm	3-18×200	
Max. loading capacity		kg	450	
Spindle nose to table		mm	150~710	
Spindle center to column		mm	603.4	
Moving speed		mm/min	24000	
Feeding speed		mm/min	3~15000	
Spindle	Spindle	rpm	60~8000	
	Taper		7:24 No.40	
	Diameter	mm	Φ70	
	Max. Torque	Nm	35.8	
Tool Magazine	Type		Disk	
	Capacity		21	
	Selection Method		Random	
	Time	sec.	6	
	Max. Tool Dia.	mm	Φ80	
	Max. Tool Dia. w/o tool on side	mm	Φ160	
	Max Tool length	mm	304	
	Max Tool weight	kg	6.8	
	Load capacity	kg	68	
Accuracy	Positioning	mm	X/Y/Z:0.016	X:0.020 Y/Z:0.016
	Repeatability	mm	X/Y/Z:0.012	X:0.015 Y/Z:0.012
Motor power	Spindle motor		7.5/11 KW, 35.8Nm	
	X/Y/Z axis motor		1.4KW, 11Nm	
	Tool magazine motor	W	40	
Electric Power			380 (1±10%) V 50HZ	
Compress air Pressure		mpa	0.6	
Single air consumption		m <sup>3</sup> /min	0.07~0.1	
Full load current		A	80	
Overall Size		mm	2882×2347×2878	3282×2347×2878mm
Occupation Dimension		mm	4064×3280	4464×3280
Net weight		kg	5500	6000

Features:

- Bed Type structure with fixed column;
- X and Y Axis go through cross moving table;
- Each linear motion axis use imported rectilinear rolling guide ,ball screws and servo motor , with semi closed loop control
- Disk type tool magazine is fixed on the colum ,realizing automatic tool change
- Closed protective cover with injected plastic on the surface is used. Stainless steel telescoping protective cover is used to protect each axis guide and ball screw
- Electric cabinet with dual door is connected with the main body of machine tool as a whole , unnecessary to disassemble during transportation or installation
- Guide runs through X axis with slide plece fixed, which enlarges the space of Z axis and reduces the weight of moving parts through Y axis.
- Spindle used is the imported high-quality one. Its components are with no rotation vibration after strict motion balance. Tool storage uses steel ball collect and disk spring to get tools tied and untied . Pulling force is from disk spring .unclamping force is from cylinder.
- Spindle configuration can satisfy various combinations of shank and ingot puller
- Various feelers can be installed additionally.

#### Application:

E series Vertical Machining Centers use FANUC Oi MATE system. Each linear motion axis, spindle as well as additional rotation axes are driven by servo motors , 3-axis ganged, milling, boring , drilling ,rigid threading ect , which is suitable for light and general processing . Digital precision positioning can be achieved. With motion axes plugging and ganged , processing large screw and curved surface can be realized. Various working procedure of rough and précised machining can be achieved with one-time clam on the same machine tool . Meanwhile , mutiplier typical cycle programme is installed in the NC system as options during processing .Pre-set programme controls cutting , coolant supply , and tool change , etc. In the process of tool change ,air will be blown from spindle center automatically to keep shank and taper-bore clean . Clips produced by cutting can be cleaned manually to the clip collector.