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Q7
VERTICAL HI-SPEED MACHINING CENTERS

- Hardware, molds, automotive parts, communication and medical devices

Highlight：

- The short nose spindle presents outstanding rigidity. It also increases efficiency while lowering tool wear.
- 48 meters rapid traverse on three axes greatly reduces machining time.
- High speed, silent ball screw and roller type linear way exhibit high speed, high accuracy and high rigidity features.
- Stable automatic tool change system not only reduces non-cutting time, but also extends spindle life.
- Front side chip exhaust with optimal chip exhausting angles and extra large chip flushing rate.

Specification

Mitsubishi Controller M80					
Travel	X-axis travel	700mm	Table	Table size (mm)	800x450
	Y-axis travel	500 mm		T-slot (WXNo.XPitch)	18x3x130 mm
	Z-axis travel	550 mm		Table loading capacity	400 kg
Spindle	Spindle nose to table	120670 mm	ATC	Tool selection method	Arm type
	Type of spindle	BT-40		No. of tools	24 pcs
	Spindle transmission	Belt Drive		Max. tool weight	7 kgs
	Spindle R.P.M.	10,000 rpm	Coolant system and power	Coolant tank capacity	220 L
	Spindle motor	7.5 kw		Air pressure	6 kg
Feedrafe	X/Y/Z rapid traverse	48 / 48 / 48 M/min		Power requirement	15 KVA
	Three axes ball screws (mm)	ø 32 / P16 / C3			
	Three axes linear guide(P class)	X, Y, Z-axis linear guide:roller type 35 mm x 4 blocks	Machine size	machine size (LxWxH) (mm)	2000 X 2450 X 3100
	Three axes transmission method	Direct drive		Max. machine weight	4500 kg
	Cutting feed rate	1ł0,000 mm/min			