



## Q10 VERTICAL MACHINING CENTERS

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

### Highlight:

- The optional bed construction design is able to resist inertia generated by high "G" with maximum stability.
- The short nose spindle presents outstanding rigidity. It also increases efficiency while lowering tool wear.
- 36 meters rapid traverse on three axes greatly reduces machining time.
- 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 M70					
Travel	X-axis travel	1000mm	Table	Table size (mm)	1200x550
	Y-axis travel	600 mm		T-slot (WxNo.xPitch)	18x5x95 mm
	Z-axis travel	600 mm		Table loading capacity	600 kg
Spindle	Spindle nose to table	120720 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.	8,000 rpm	Coolant system and power	Coolant tank capacity	250 L
	Spindle motor	11 kw		Air pressure	6 kg
Feedrate	X/Y/Z rapid traverse	36 / 36 / 36 M/min	Coolant system and power	Power requirement	20 KVA
	Three axes ball screws (mm)	∅ 40 / P12 / C3		Machine size	machine size (LxWxH) (mm)
	Three axes linear guide(P class)	X-axis linear guide: roller type 35 mm x 4 blocks Y, Z-axis linear guide: roller type 45 mm x 4 blocks	Max. machine weight		
	Three axes transmission method	Direct drive			
	Cutting feed rate	140,000 mm/min			