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SEARCH

Vertical Machining Centers

Precision Machine & Tool

machine introduction


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TMV-850A / 1050A Series

- Big diameter pre-loaded ball screw prohibits heat extension. The servo motors are directly coupled with the ball screws. This ensures the machine rigidity.
- Belt driven spindle is well balanced dynamically to minimize vibration and maintain appropriate motor heat.
- Spindle Bearing Protection uses maze type mechanical seal and air-blowing to prohibit coolant entry.

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Machine structure		Spindle	ATC	Specification		
Item	Specification	Unit	TMV-850A	TMV-1050A	TMV-850AII	TMV-1050AII
Table	Table size	mm	950x500	1100x500	950x600	1100x600
	Max. loading capacity	kg	800			
Spindle	Spindle speed	rpm	Std. 8000(Belt type)		Std. 8000(Belt type)	
		rpm	Opt. 10000(Belt type)		Opt. 10000(Belt type)	
		rpm	-		Opt. 12000(Direct drive)	
Stroke	X axis stroke	mm	850	1050	850	1050
	Y axis stroke	mm	500		600	
	Z axis stroke	mm	530			
Feed	X/Y/Z axis rapid traverse	m/min	36/36/30			
	Cutting feedrate	mm/min	1~10000			
ATC	Tool shank		BT 40			
	Tool capacity	pc	24			
	Max. tool diameter	mm	Ø89			
	Max. tool diameter (w/o adjacent tool)	mm	Ø125			
	Max. tool length	mm	250			
	Max. tool weight	kg	7			

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