

VTC 110R

High Quality CNC Vertical Turning Center

High Quality CNC Vertical Turning Lathe Equipped with Multi-use, Rationality, and Flexibility!

- One-piece cast iron bed & column of high-rigid construction
- Induction hardened and precision ground box type guide ways
- Rapid traverse speed (X/Z) 12m/min
- Heavy duty machining capacity with high torque 512kgf.m spindle
- Machining progress intensiveness available by the complex machining of turn-mill function



Machine Specifications

Items		Unit	VTC-110R	
Capacity	Maximum swing	mm(inch)	1250(49.2)	
	Maximum turning diameter	mm(inch)	1100(43.3)	
	Maximum turning height	mm(inch)	850(33.5)	
	Maximum load on table	kg(lbs)	1000(2200)	
	Standard chuck size	mm(inch)	800(32")	
Spindle	Spindle speed	rpm	10~800	
	Spindle speed range	step	Automatic 2	
	Maximum spindle torque	kgf.m(N.m)	512(5020)	
	Dia. of spindle front bearing	mm(inch)	Ø200(7.9)	
	Spindle nose	ASA	A2-15	
Turret	Turret type	-	BMT 75(Turn-mill turret)	
	No. of tool		12(Turn:6, Mill:6)	
	Tool size	mm	□32×32/Ø60	
	Rotary tool	Drilling	mm	Ø25
		End mill	mm	Ø40
		Tapping	mm	M22
	Rotary tool max. speed	rpm	Max. 4000	
Index speed (1-step/Full)	sec	0.25		
Travel & Feedrate	X-axis travel (Saddle cross)	mm(inch)	635(25)	
	Z-axis travel (Ram vertical)	mm(inch)	950(37.4)	
	X/Z-axis rapid traverse	m/min(ipm)	12(472)	
Motors	Spindle motor	kW(Hp)	AC 45/55(60/75)	
	X-axis servo motor	kW(Hp)	AC 7(9.3)	
	Z-axis servo motor	kW(Hp)	AC 7(9.3)	
	Rotary tool motor	kW(Hp)	AC 7.5/11(10/15)	
Machine Size	Machine height	mm(inch)	3950(155)	
	Floor space (W×L)	mm(inch)	2800×5200(110×205)	
	Machine Weight	kg(lbs)	23,000(50,700)	
CNC Controller		-	FANUC 0i-TD	

Standard Accessories

- Hydraulic chuck & cylinder Ø32"
- Soft & hard jaw
- Spindle index (0.001°)
- Turn-mill Turret
- C-axis scale
- Hydraulic unit & Coolant system
- Splash guard
- Chip pan
- X/Z-axis telescopic steel cover
- Foot switch for hydraulic chuck
- Work light & Patrol lamp
- Chip shower equipment
- High-low chucking system
- Foundation bolt & seat plate
- Tool box with necessary tools

Optional Accessories

- Hydraulic chuck & cylinder Ø28", Ø32"
- Automatic front door
- Work probe
- Tool setter
- X-axis scale
- Z-axis scale
- Chip air blow system
- Oil mist collector
- High pressure coolant system
- Chip conveyor & bucket
- Special tool holder
- Transformer
- High torque gear box (2-speed)

Specifications and features are subject to change without prior notice.



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