



Applications of VTL1350 CNC Vertical Lathe

VTL1350 CNC Vertical Lathe machine is a CNC controlled Vertical lathe machine suitable for turning heavy cylindrical and taper faces, boring, grooving and cutting threads (including taper threads).

Features of VTL1350 CNC Vertical Lathe

1. VTL1350 CNC Vertical Lathe adopts FANUC 0i-TD CNC system and servo motors;
2. The main drive adopts combination of big power spindle servo motor and German ZF two range transmissions to increase spindle speed range and output torque for heavy load cutting;
3. THK cross roller bearings are selected for spindle bearings. Their inner diameter reaches $\Phi 500\text{mm}$ so that the spindle system is of high rigidity and suitable for machining large work pieces and asymmetric parts;
4. The cross rail can be moved up and down at will. Clamping and releasing of the cross rail are affected by mechanical (springs) and hydraulic respectively. The operation is easy and reliable;
5. X/Z axes adopt symmetric box type rectangular guides which are supersonic frequency hardened;
6. Automatic timely lubrication system is designed for VTL1350 Vertical CNC Lathe;

Standard equipments & accessories of VTL1350 CNC Vertical Lathe

1. Manual 4-jaw chuck;
2. 6-station vertical tool post;
3. Half sealed fencing system;

Optional equipments of VTL1350 CNC Vertical Lathe

1. Auto chip conveying system;

Specifications of VTL1350 CNC Vertical Lathe

Model		VTL1350
CNC system		FANUC 0i-TD
Capacity	Max. swing	Φ1600mm (63")
	Max. cutting diameter	Φ1350mm (53")
	Max. height of turning	1200mm (47")
	Max. weight of work piece	5000kg
Spindle	Manual 4-jaw chuck	Φ1250mm (49")
	Speed range (in low)	2~142 rpm
	Speed range (in High)	142~350 rpm
	Diameter of bearing	Φ500mm (19.7")
	Max. torque of spindle	7800Nm
Travel	Travel of X-axis	1300+50mm (51.2"+1.97")
	Travel of cross rail	800mm (31.5")
	Travel of Z-axis	900mm (35.4")
Feed	Rapid feed of X-axis	12 m/min
	Rapid feed of Z-axis	10 m/min
Tool post	Type of tool post	CNC vertical
	Number of tool stations	6
	Tool shank size (square)	32×32mm (1.3"×1.3")
	Tool shank size (round)	Φ50mm (2")
Motor	Main motor power	37/45 kW
	Servo motor of X-axis	9 kW
	Servo motor of Z-axis	6 kW
	Motor of lifting rail	2.2 kW
	Hydraulic motor	3.75 kW
	Coolant pump power	1.17 kW x2
Others	Overall dimensions (L×W)	5200×3900mm (205"×154")
	Height of machine	4200mm / 5000mm (165" /197")
	Net weight	19000kg