



VTL650 VTL850 Vertical Turning Lathe



Applications of VTL650 VTL850 Vertical CNC Lathe

VTL650 VTL850 Vertical CNC Lathe 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 VTL650 VTL850 Vertical Turning CNC Lathe

1. FANUC 0i-TD; integrated box-like construction with a column of rectangular section. It has good rigidity and can undertake heavy duty cutting with long term precision maintenance;
2. VTL650 VTL850 Vertical CNC Lathe large spindle and bearing arrangement make the component rigid and suitable for heavy and precision cutting;
3. Longitudinal and cross feeds are affected by means of cross-like slides with a self-balancing system for the longitudinal movement on VTL650 VTL850 Vertical CNC Lathe;
4. VTL650 VTL850 Vertical CNC Lathe totally sealed guard structure with a rigid side chip removal conveyor;

Standard equipments & accessories of VTL650 VTL850 Turning CNC Lathe

1. Automatic Chip conveying system;
2. Solid hydraulic chuck;
3. 8-stations hydraulic tool post;
4. Total sealed fencing system;

Specifications of VTL650 VTL850 Vertical CNC Lathe

Model		VTL650	VTL850
CNC system		FANUC 0i-TD	FANUC 0i-TD
Capacity	Max. swing	Φ900mm (35.4")	Φ1000mm (40")
	Max. cutting diameter	Φ650mm (25.6")	Φ850mm (33.5")
	Max. height of turning	650mm (25.6")	850mm (33.5")
Chuck	Solid hydraulic chuck	Φ20" Solid hydraulic chuck	Φ21" Solid hydraulic chuck
Spindle	Spindle nose	A ₂ -11	A ₂ -11
	Front spindle bearing ID	Φ180mm (7")	Φ220mm (8.7")
	Spindle speed range	50-2000rpm	50-1200rpm
	Steps of spindle speeds	2 steps (stepless within step)	2 steps (stepless within step)
Travel	Travel of X axis	-60; +460mm	-50; +600mm
	Travel of Z axis	650mm (17.7")	900mm (17.7")
Feed	Rapid feed of X axis	12m/min	12m/min
	Rapid feed of Z axis	16m/min	16m/min
Tool post	Type of tool stations	Hydraulic tool post	Hydraulic tool post
	Number of tool stations	8	8
	Tool shank size (square)	32x32mm (1.3"x1.3")	32x32mm (1.3"x1.3")
	Tool shank size (round)	Φ50mm (2")	Φ50mm (2")
Motor	main motor	20/26kW	30/37 kW
	Servo motor of X axis	22Nm	22Nm
	Servo motor of Z axis	22Nm	22Nm
	Hydraulic pump motor	1.5 kW/2.2kW	1.5 kW/2.2 kW
	Coolant pump power	370W x2	370W x2
	Overall dimensions (L x W x H)	2970x2440x3350mm	3170x2300x3750mm
	Net weight	11500kg	14000kg