



PRECITEC - VERTICAL TURNING LATHES

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- Hydraulic operated chuck or special fixtures
- Large diameter mm through bore Spindle
- Rigid Preloaded taper roller bearing support for spindle
- Designed specially for Mass production requirements
- Modular construction with high configurability and customization features
- Rapid strokes upto 20m/min

SALIENT FEATURES INCLUDE

- ◆ Rigid fabricated steel base and column
- ◆ Unique large through bore spindle with A2-11 spindle nose , Standard Rigid turn table with T- Slots (optionally 3JAW/4JAW special chucks, fixturing with hydraulic clamping etc. can be provided)
- ◆ Well-designed gearbox drive with case hardened and ground helical gears to spindle located and rigidly mounted on the base.
- ◆ Horizontal slides with LM guides & Vertical with hardened & guide strips.
- ◆ Wide choice of spindle speed ranges to suit customer requirements. infinitely variable speed control with AC motors or AC spindle motors.
- ◆ Horizontal & vertical slide units with hydraulic cylinders with rapid and feed control or Servo feeds with Precision ball screw and nut.
- ◆ Choice of more than one vertical slide depending upon machining requirements
- ◆ Automatic cycles with either CNC or PLC controls
- ◆ Choice of different tooling system like, Turret (6 or 8 position) with fixed tooling or with live tools, single point tooling of different types
- ◆ Centralized lubrication for slides.
- ◆ Well designed coolant systems with chip handling system providing smooth chip flow and its transfer to chip bin
- ◆ Electrical cabinet and hydraulics are mounted at rear of the machine. Easy shifting, positioning of machine on shop floor.
- ◆ Custom built job loading and unloading to suit a particular job or a family of jobs provided on request.
- ◆ Choice of different controls for the CNC version. Fanuc Oi/18T / Fanuc Oimate-TC/ Siemens 802D/ 810D /840D

Description	Model		
	VTL 500	VTL 800	VTL1250
Max recommended job dia mtr ,mm	500	800	1250
Turn Table dia, mm	400	800	1000
Table top to tool bottom (Daylight),mm	400 / 600 / 900	(other values on request)	
Feed stroke horizontal Max ,mm	630	950	1400
Feed stroke Vertical (Tool slide), mm	500 / 800	(other values on request)	
Rapid feed Max for CNC version only),mm	20	20	16
Horizontal feed AC servo motor (opt. Feature) Nm	12	12	12
Vertical Feed AC servo motor (opt. Feature) Nm	22	22	28
Spindle power Max, KW	30	30	40
Spindle speed (Infinitely variable),Rpm Min/suspended/Max	80-300 (other ranges on request)		
Coolent flow Max, l/min	50	50	50
Max pr.	3 bar / (10 bar)		
Hydraulic system working pressure	40	40	40
Power of hydraulic system for used job clamp only, KW	0.75	0.75	0.75
Hydraulic system power if used for feed control of this light & job clamping KW	2.2/3.7	11/15	22/30

All Specification is for information only and subjected to change and improvement during development.