VERTICAL CNC LATHE

Excellent option for large, heavy, thin-walled or complicated parts

Advantages of the VT Series Compared to a Horizontal CNC Lathe:

VT Series Advantage	NO	YES
Smallest floor space – required footprint?	/	✔ Footprint 50% smaller
Easiest parts loading and unloading?	/	✔ Requires 50% less set-up
Best parts machining roundness results?	/	✔ No deflection from gravity
Strongest foundation for heavy cutting?	/	✔ Twice the weight, power tripled
Best for turning complicated parts?	/	✔ Simpler clamping process

VT320

Outstanding Efficiency & Accuracy

Machine Characteristics

- Standard 8-Station Turret – Stands up to versatile production requirements.
- Compact design, PLUS, square base casting minimizes floor space requirements and increases anti-vibration forces.
- High speed spindle unit with powerful servo drive motor – offers high speed finish cutting, AND low speed heavy duty cutting in the same compact machine.

VT400

VT600

Standard Features

- Hydraulic 3-jaw Chuck
- 8-station Turret
- Chip Conveyor
- Fully Enclosed Guard
- Hydraulic System
- Heat Exchanger of Electric Cabinet

Optional Features

- Driven Tool Turret
- Gear Box
- Multi Tool Cutting
- Oil Mist Collector
- Air Conditioner of Electric Cabinet
- Grinding Function

Specifications

		Unit	VT320	VT400	VT600	VT800
Capacity	Max. swing dia.	mm	Φ490	Φ630	Φ730	Φ950
	Max. cutting dia.	mm	Φ350	Φ450	Φ600	Φ800
	Max. cutting height	mm	400	420	600	750
Chuck	Chuck type		Hydraulic chuck	Hydraulic chuck	Hydraulic chuck	Hydraulic chuck
	Chuck size	inch	10"	12"	21", 18", 24"	21", 24"
Spindle	Spindle speed	rpm	2500	2500, *Gear box	1000, *Gear box	1500, *Gear box
	Max. power of spindle	kW	18	18	18, *18.5, *22	30
	Spindle nose		A2-6	A2-8	A2-11	A2-11
Turret	Turret center height	mm	100	125	160	160
	No. of tools	nos	8, *12	8, *12	8, *12	8, *12
	Tool shank size	mm	25×25, *BMT35	32×32, *BMT65	40×40, *BMT65	40×40, *BMT65
Axis	X/Z axis travel	mm	305/265×305/400	355/330×405/450	455/380×455/600	505/430×505/780
	X/Z axis rapid traverse	m/min	15/18	15/18	15/18	16/16
Others	Power consumption	kVA	18	22	35	35
	Dimension (LxWxH)	mm	1700×1200×2150	1900×1050×2000	2100×1450×2300	2210×1875×2385
	Weight (About)	kg	3400	7000	10000	13000

Note: *** means optional.

Wheel Hub

Steering Knuckle

Differential Case

Motor Case

Brake Hub

Brake Disc

Flange

Impeller

Bearing