Z-MaT®

VT400 VT600

Smart CNC Solutions

VERTICAL CNC LATHE

Outstanding Efficiency & Accuracy

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 or 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

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.

Specifications

		Unit	VT400	VT600
Capacity	Max. swing dia.	mm	Φ550	Φ750
	Max. cutting dia.	mm	Φ450	Φ600
	Max. cutting height	mm	420	600
Chuck	Chuck type		Hydraulic chuck	Hydraulic chuck
	Chuck size	inch	12"	21" * 18"
Spindle	Spindle speed	rpm	2500	1000, *Gear box
	Main motor power	kW	15/18	15/18, *18.5,*22
	Spindle nose		A2-8	A2-11
Turret	Turret center height	mm	125	160
	No. of tools	nos	8-station	8-station
	Tool shank size	mm	32X32	40X40
Axis	X/Z axis travel	mm	350(+300:-50)/450	450(+400:-50)/600
	X/Z axis rapid traverse	m/min	15/18	15/18
Accuracy	Positioning X/Z	mm	0.015/0.015	0.015/0.015
	Repeatability X/Z	mm	0.005/0.008	0.005/0.008
	Machining	IT	IT6	IT6
Others	Power consumption	kVA	22	35
	Dimension (LxWxH)	mm	1850X1700X2500	2300X2000X3400
	Weight (About)	kg	7500	11500

Note: "*" means optional.

Z-MaT ZHEJIANG ZHENHUAN CNC MACHINE TOOL CO., LTD.

Zhejiang Headquarter and Plant:
Add: Mechanical & electrical industrial zone,Yuhuan, Zhejiang, 317600 China
Phone: +86-576-87226292 Fax: +86-576-87226290
www.zmat.cn E- mail:info@zmat.cn

Jiangsu Z-MaT NO.2 Plant:	Nanjing Zhenhuan Machinery Co., Ltd.	No.1 Tuqiao Industrial Zone, Jiangning District, Nanjing, Jiangsu.
Shandong Precision Spindle Unit Plant:	Weihai Giessen Seiki Co., Ltd.	No. 39-3 Hi-tech Industrial Zone, Weihai, Shandong.
Hong Kong Commercial Center:	Kimway Dragon Holdings limited	701A Caroline Centre, 2-38 Yun Ping Road, Hong Kong.
Taiwan R&D Center:	GreaMaT Machinery Co.,Ltd.	No. 955, Section 4, Wenxin Rd., Beitun District, Taichung, Taiwan.