



DT400 DT500E DT500

Smart CNC Solutions

Performance For Multiple Axes Turning

TURNING CENTER SERIES WITH Y AXIS UNIT

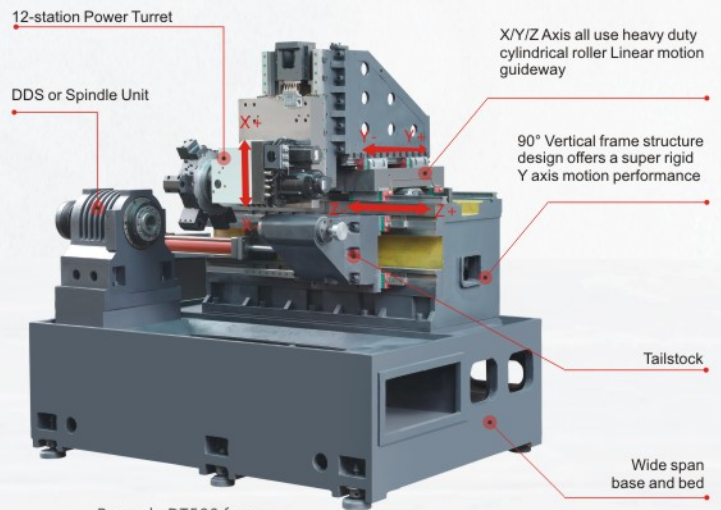




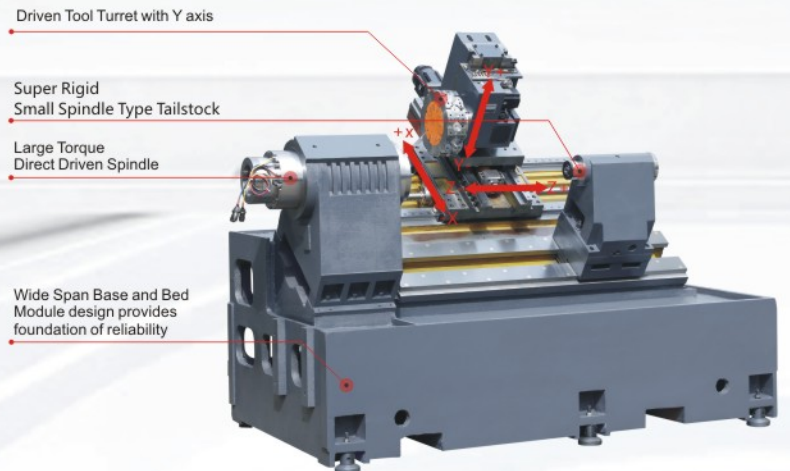
Machine Characteristics

Z-MaT DT series turning centers provide DDS spindle or Belt spindle units, Driven tool turret and Y axis features. This Series extremely extends machining capability for combining turning and off center milling. With Y axis, customers can replace more than 90% secondary machining process by milling machine for turned parts. It will save the labor time, increase accuracy and efficiency.

Thanks for mass production, Z-MaT work hard to make every customer own an excellent turning center at an affordable price. You don't need 1 CNC lathe and 1 milling/drilling/tapping machine any more. In most instances, one unit of DT series turning center solves all your problems in one setup.



Remark: DT500 frame.



Remark: DT500E frame, DT400E is similar.

SHORTEN YOUR PROCESS WITH DT400/DT500E

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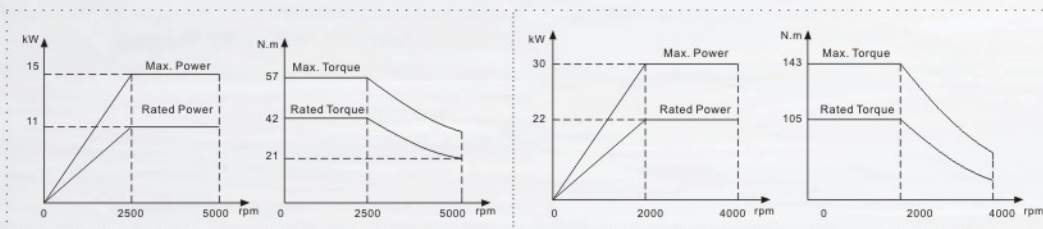
Built-in Motor Spindle

PMSM(spindle permanent magnet synchronous motor) type Direct Driven Spindle provides high-precision C axis motion.



BMT Turret

Less interference BMT type tool disc Servo driven, bi-directional and non-lifting.



Specifications

	Unit	DT400E	DT500E	DT500	
Capacity	Max. turning diameter	mm	160	320	280
	Max. length of workpiece	mm	320	650, *1000, *1500	400
	Max. swing dia. over bed	mm	500	600	550
	Max. swing dia. over slide	mm	350	430	250
Spindle	Hydraulic chuck	Inch	6	8	8
	Dia. of spindle bore	mm	Φ55	Φ66	Φ66
	Max. dia. of through-hole	mm	Φ46	Φ52	Φ52
	Spindle nose		A2-5	A2-6	A2-6
	Max. spindle speed	rpm	5000	4000	4000
	Main motor	kW	11/15	22/30	22/30
Structure	Slant bed degree	degree	30°	35°	90°
	Guideway type	mm	LM	LM	LM
	X axis travel	mm	230	250	160
Axis	Z axis travel	mm	320	650, *1000, *1500	400
	Y axis travel	mm	70 (±35)	100 (±50), *140 (±70)	100 (±50)
	X/Z/Y axis rapid traverse	m/min	20/20/12	20/20/12	20/20/20
	Type of turret		BMT40	BMT45, *BMT55	BMT45
Turret	No. of tool		12	12	12
	OD tool shank size	mm	16×16	20×20 *25×25	20×20
	Boring tool shank size	mm	Ø25	Ø32	Ø32
	Max. speed of live tooling	rpm	4000, *6000	4000, *6000	4000, *6000
	Type of tailstock		*Hydraulic	SPT, *SST	HPT
Tailstock	Taper of tailstock quill		*MT4	MT3(spindle unit type)	MT4
	Travel of tailstock	mm	*320	100-650	400
	Weight (about)	kg	4000	4800	5800
Others	Overall dimension (L×W×H)	mm	2730×2050×2280	3000×1780×2050	2450×1850×2200

Note: "*" means optional

Catalog content is subject to change without notice. Z-MaT is not responsible for typographical errors.



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