

STAR DT SERIES FULL RANGE OF X.Z.C.Y. 4-AXIS TURNING CENTERS

Dual Processes Turning Center With Y Axis

Standard Features

- Hydraulic 3-Jaw Chuck
- 12 station BMT Power Turret
- Y axis
- Hydraulic Tailstock
- Work Light
- Tri-Color Alarm Light
- Automatic Lubrication System
- Automatic Coolant System

Optional Features

- Different Chucks and Collets
- Different CNC Control Systems
- Different Spindle Bore Diameters
- Chip Conveyor
- Tool Setter
- Bar Feeder
- Steady Rest

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.

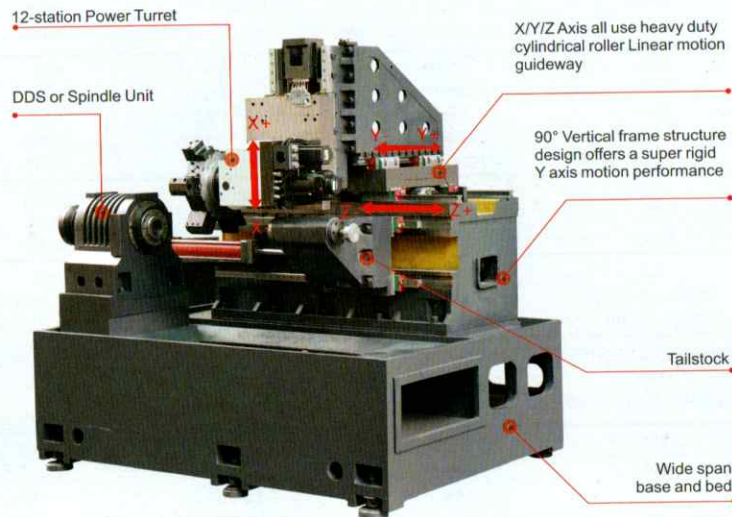


DT500



Specifications

	Unit	DT500
Capacity	Max. turning diameter	mm 280
	Max. length of workpiece	mm 400
	Max. swing dia. over bed	mm Φ 550
	Max. swing dia. over slide	mm Φ 250
Spindle	Hydraulic chuck	inch 8
	Dia. of spindle bore	mm Φ 66
	Max. dia. of through-hole	mm Φ 52
	Spindle nose	A2-6
	Max. spindle speed	rpm 4000
Structure	Main motor	kW 22/30
	Slant bed degree	degree 90°
	Guideway type	mm LM
Axis	X axis travel	mm 160
	Z axis travel	mm 400
	Y axis travel	mm 100 (\pm 50)
	X/Z/Y axis rapid traverse	m/min 20/20/20
Turret	Type of turret	BMT45
	No. of tool	12
	OD tool shank size	mm 20 \times 20
	Boring tool shank size	mm Φ 32
	Max. speed of live tooling	rpm 4000, *6000
Tailstock	Type of tailstock	HPT
	Taper of tailstock quill	MT4
	Travel of tailstock	mm 400
Others	Weight (about)	kg 5800
	Overall dimension (L \times W \times H)	mm 2450 \times 1850 \times 2200



Remark: DT500 frame.

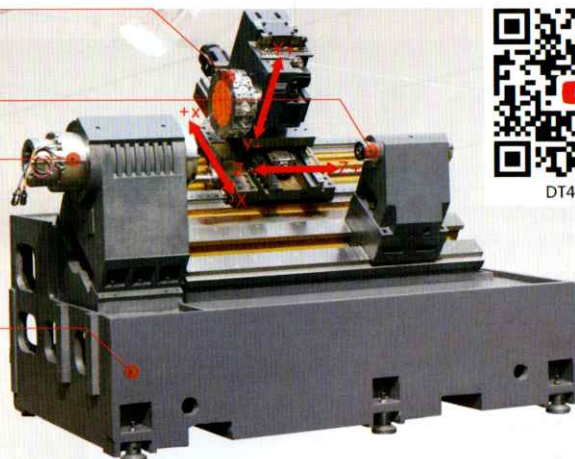


Driven Tool Turret with Y axis

Super Rigid Small Spindle Type Tailstock

Large Torque Direct Driven Spindle

Wide Span Base and Bed Module design provides foundation of reliability



DT450E



Remark: DT500E frame, DT350E/DT400E/DT450E is similar.

Specifications

	Unit	DT350E	DT400E	DT450E	DT500E-450	DT500E	DT500E-1000	DT500E-1500	
Capacity	Max. turning diameter	mm	160	160	200	320	320	320	
	Max. length of workpiece	mm	320	320	450	450	650	1500	
	Max. swing dia. over bed	mm	Φ500	Φ500	Φ600	Φ600	Φ600	Φ600	
	Max. swing dia. over slide	mm	Φ300	Φ350	Φ380	Φ430	Φ430	Φ430	
Spindle	Hydraulic chuck	Inch	6	6	8	8	8	8	
	Dia. of spindle bore	mm	Φ55	Φ55	Φ66	Φ66	Φ66	Φ66	
	Max. dia. of through-hole	mm	Φ46	Φ46	Φ52	Φ52	Φ52	Φ52	
	Spindle nose		A2-5	A2-5	A2-6	A2-6	A2-6	A2-6	
	Max. spindle speed	rpm	5000	5000	4000	4000	4000	4000	
	Main motor	kW	11/15	11/15	22/30	22/30	22/30	22/30	
Structure	Slant bed degree	degree	45°	35°	35°	35°	35°	35°	
	Guideway type	mm	LM	LM	LM	LM	LM	LM	
	X axis travel	mm	150	230	220	250	250	250	
Axis	Z axis travel	mm	320	320	450	450	650	1500	
	Y axis travel	mm	70 (±35)	70 (±35)	100 (±50)	100 (±50), *140 (±70)	100 (±50), *140 (±70)	140 (±70)	140 (±70)
	X/Z/Y axis rapid traverse	m/min	20/20/12	20/20/12	20/20/12	20/20/12,*7	20/20/12,*7	20/20/12,*7	20/20/12,*7
Turret	Type of turret		BMT40	BMT40	BMT45	BMT45,*BMT55	BMT45,*BMT55	BMT55	
	No. of tool		12	12	12	12	12	12	
	OD tool shank size	mm	16×16	16×16	20×20	20×20 *25×25	20×20 *25×25	20×20 *25×25	20×20 *25×25
	Boring tool shank size	mm	Φ25	Φ25	Φ32	Φ32, *Φ40	Φ32, *Φ40	Φ32, *Φ40	Φ32, *Φ40
	Max. speed of live tooling	rpm	4000	4000	4000, *6000	4000, *6000	4000, *6000	4000, *6000	4000, *6000
Tailstock	Type of tailstock		Hydraulic, *SST	*Hydraulic	Hydraulic	SPT, *SST	SPT, *SST	SPT, *SST	
	Taper of tailstock quill		MT4	*MT4	MT4	MT3(spindle unit type)	MT3(spindle unit type)	MT3(spindle unit type)	
	Travel of tailstock	mm	320	*350	450	100-450	100-650	100-1000	100-1500
Others	Weight (about)	kg	2700	4000	4000	4800	4800	5200	
	Overall dimension (L×W×H)	mm	2400×1665×2220	2730×2050×2280	2750×1890×2200	3000×1780×2050	3000×1780×2050	3600×2100×2300	4000×2100×2300

Note: “*” means optional. “LM” means linear motion guideway. Tailstock: “Hydraulic” means automatic hydraulic driven tailstock sleeve.

“HPT” means linear motion guide way, automatic hydraulic driven body move tailstock. “SST” means small spindle hydraulic tailstock.

“SPT” means servo programmable tailstock.

“DT500E-1500” is special purpose design for slim shaft workpiece standard with programmable steady rest and servo programmable tailstock.