



DUAL-SPINDLE DT500E-S/ TN500-S/ STL8-S

Smart CNC Solutions

Performance For Multiple Axes Turning

TURNING CENTER

DUAL-SPINDLE SERIES



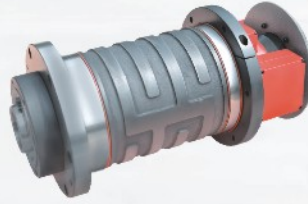
SHORTEN YOUR PROCESS WITH DT400/DT500E

Z-MaT DT series turning centers provide DDS spindle, Driven tool turret and Y axis features. This Series extremely extend machining capability for combining turning and milling. With Y axis, customer 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 try hard to make every customer can own an excellent turning center at affordable price. You don't need 1 cnc lathe and 1 milling/drilling/tapping machine any more. In most stances, one set of DT400 or DT500E solves all your problems in one setup.

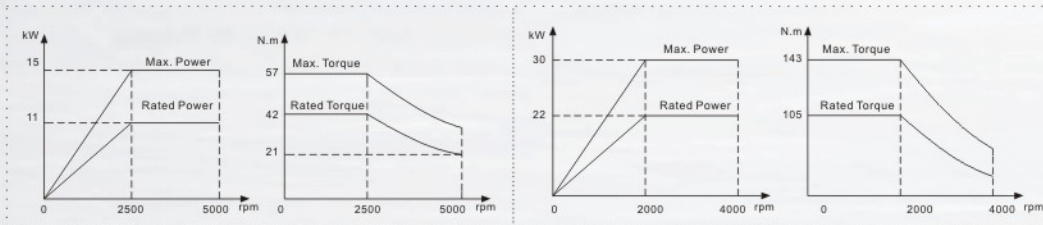
Built-in Motor Spindle

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	STL8-S	TN500-S	DT500E-S	
Capacity	Max. turning diameter	mm	320	320	
	Max. length of workpiece	mm	650,*1000	650,*1000	650,*1000
	Max. swing dia. over bed	mm	600	600	650
	Max. swing dia. over slide	mm	360	360	430
Spindle	Hydraulic chuck	Inch	8	8	8
	Dia. of spindle bore	mm	Φ66	Φ66	Φ66
	Max. dia. of through-hole	mm	Φ52	Φ52	Φ52
	Spindle nose		A2-6	A2-6	A2-6
	Max. spindle speed	rpm	4000	4000	4000
	Main motor	kW	22/30	22/30	22/30
Sub Spindle	Hydraulic chuck		6	6	6
	Dia. of spindle bore	mm	Φ55	Φ55	Φ55
	Max. dia. of through-hole	mm	Φ46	Φ46	Φ46
	Spindle nose		A2-5	A2-5	A2-5
	Max. spindle speed	rpm	5000	5000	5000
Axis	Main motor	kW	11/15	11/15	11/15
	X axis travel	mm	250	250	250
	Z1/Z2 axis travel	mm	650,*1000	650,*1000	650,*1000
	Y axis travel	mm	N/A	N/A	100 (±50), *140 (±70)
	X axis rapid traverse	m/min	20	20	20
	Z axis rapid traverse	m/min	20	20	20
	Y axis rapid traverse	m/min	N/A	N/A	12
Turret	Type of turret		BMT55	BMT55	BMT55
	No. of tool		12	12	12
	OD tool shank size	mm	25×25	25×25	25×25
	Boring tool shank size	mm	Ø32	Ø32	Ø32
	Max. speed of live tooling	rpm	N/A	4000,*6000	4000,*6000
Structure	Boring depth of sub spindle	mm	115,*145	115,*145	115,*145
	Slant bed degree	degree	35°	35°	35°
	Guideway type	mm	LM	LM	LM
Others	Weight (about)	Kg	5200	5200	5300
	Overall dimension (L×W×H)	mm	2900×1780×2050	2900×1780×2050	3000×1780×2050

Note: "*" means optional

Configurations

Standard Features

- Hydraulic Chuck
- 12-Station Power Turret
- Work Lamp
- Programmable Tailstock
- 3-color Indicator Lamp
- Auto Lubrication System
- Coolant System
- Fully Enclosed Guard
- Hydraulic System
- Air Conditioner of Electric Cabinet

Optional Features

- Hydraulic Collet
- Chip Conveyor with Cart
- Extra Tool Holder
- Oil Mist Collector
- Oil Water Separator
- Parts Catcher
- Automatic Bar Feeder
- Automatic Tool Setter
- Sub-spindle

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

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