

Dual Spindle Turning Center

TC500



◆ **Dual Spindle Turning Center Series**

- ◆ Star STL Series
- ◆ Star SL Series
- ◆ Flash SL Series
- ◆ Flash FL Series
- ◆ Flash FTL Series
- ◆ Hunter Series
- ◆ VMC Series
- ◆ SPM Series
- ◆ Toolroom Series
- ◆ Multi-Tasking Series

CONFIGURATIONS

Standard Features

- Hydraulic 3-jaw Chuck
- 12-station Power Turret (BMT)
- Main Spindle plus sub spindle
- Automatic Lubrication System
- Automatic Coolant System
- Work and Alarm Light

Optional Features

- Tool Setter
- Chip Conveyor
- Live Tool Holders
- Different Chucks And Collets
- Different CNC Systems
- Bar Feeder

Specifications

TC500

▪ Capacity	Swing Over Bed	mm	510
	Max. Workpiece Swing Diameter	mm	350
	Max. Turning Diameter	mm	320
	Standard Turning Diameter	mm	250
	Max. Turning Length	mm	439
	Bar Capacity	mm	51 / 33
▪ Axis travel	X/ Y / Z Axis Travel	mm	190/495/±52
	X/ Y / Z Rapid feed traverse	m/min	24/30/10
▪ Spindles	Spindle speed	rpm	4500
	Spindle nose		A2-6
	Chuck size		8
	spindle bore	mm	61
	Drawbar capacity	mm	52
▪ Sub spindle	Spindle speed	rpm	6000
	Spindle nose		A2-5
	Chuck size		6
	spindle bore		42.5
	Drawbar capacity		34
	X axis rapid traverse		30 m/min
	Sub spindle travel	mm	460
▪ Y-axis	Y-axis type	degree	45
▪ C-axis	Least input increment	degree	0.001
	Least command increment	degree	0.001
	Rapid feed (C)		600min-1
▪ Turret	Type		Power Driven Turret
	Number of Tool stations		12
	Tool size	mm	□25x25/ Φ32
▪ Tailstock	Taper type		-
	Tail stock travel		-
▪ Drive motor power	Main spindle	kW	11 / 15
	Sub spindle	kW	11
	Driven-tool motor	kW	2.2 / 3.7
▪ General	Overall Dimension(L×W×H)	mm	2950x1850x2050
	Machine weight	kgs	4200

Note: "*" means optional. "LM" means linear motion guideway, automatic drivenbody move tailstock. Specification may differ by using different control system of optional function parts.

Precautions:

- Catalog content is subject to change without notice. Z-MaT is not responsible for typographical errors.
- Images may show base machines with added optional equipment.
- Actual machine standard features may differ in some details from machines shown in catalog images. This includes the size and dimensions of name plates and other labels.
- Z-MaT is not responsible for discrepancies between information in this catalog and actual machines.



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