



Chester Turning Milling Machine • TM500C



The complete fusion of milling and turning enables you to finish your parts from raw material to completed components done in one hit.

The new model now has a BMT lower turret which offers a further 12 more driven tools.

At the cutting edge of technology the TM500C is environmentally efficient and excellent value.

Standard Accessories:

- ✓ Siemens 840D
- ✓ S1 Turning Spindle
- ✓ S2 Turning Spindle
- ✓ Sub-turret
- ✓ B Axis Circular Scale

Optional Accessories:

- ☐ Air Conditioner for Electrical Cabinet
- ☐ Anti-Collision Function (for 840D Only)
- ☐ Auto Front Door
- ☐ Automatic Voltage Stabilizer
- ☐ Band (Paper) Filter System (for CTS Supply Unit Only)
- ☐ Bar Feeder Interface Preparation
- ☐ Bar Feeder(Fedek DH65L)
- ☐ Chip Conveyor
- ☐ CTS Supply Unit (18 Bars)
- ☐ CTS Supply Unit (42 Bars)
- ☐ CTS Supply Unit (70 Bars)
- ☐ Disc Oil Coolant Separator
- ☐ Eco-CTS Supply Unit (30 Bars)
- ☐ Encoder B Axis
- ☐ Linear Scale On X/Y/Z Axes
- ☐ Oil Demister
- ☐ Portable MPG
- ☐ Tool Length Measurement System (Laser,Blum Nt-H 3D)
- ☐ Tool Length Measurement System (Laser,Renishaw Nc4 + Tool Presetter)
- ☐ Tool No.:72 Tools (Hsk-T63)
- ☐ Transformer: 220V/50/60Hz
- ☐ Wash Down System
- ☐ With New Ce Unit (Double Safety Loop)
- ☐ Full Center Calibrating Device (Kinematics Software + Hardware) (By Renishaw Rmp600 Only)
- ☐ Workpiece Measurement System (Blum, TC63)
- ☐ Workpiece Measurement System (Renishaw, Rmp60)

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.





Technical Specifications

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Max. Swing Dia. (Milling Spindle/Turret)	ø530mm/ø450mm
Max.Machining Dia.(Milling Spindle/Turret)	ø450mm/ø250mm
Max.Machining Length.	1040mm
Turning Spindle Bore Hole Size	ø52mm
X Travel	560mm
Y Travel	±125mm
Z Travel	1080+72mm
X2 Travel	165mm
Z2 Travel	1040mm
W Axis Travel	1080mm
B Axis Angle	'-20°-200°
C Axis Angle	360°
X Rapid Speed	36m/min
Y Rapid Speed	36m/min
Z Rapid Speed	36m/min
X2 Rapid Speed	20m/min
Z2 Rapid Speed	30m/min
W Rapid Speed	30m/min
B Axis Max. rpm	25rpm
C Axis Max. rpm	250rpm
S1 Chuck Size	8"
S1 Chuck Nose Tyoe	A2-6
S1 Spindle Bore Hole	ø61mm
S1 max. Speed	4500rpm
S1 Output	11/15kw
S2 Chuck Size	8"
S2 Chuck Nose Type	A2-6
S2 Spindle Bore Hole	ø61mm
S2 Max. Speed	4500rpm
S2 Output	11/15kw
Milling Spindle	
Max. Speed	12000rpm
Spindle Output	'11/22kw
B Axis Min. Index	0.001°
ATC	
Tool Format	HSK-63T
Tool no.	36pc
Max. Tool Dia. (without Neighbor Tool)	90mm(120mm)
Max. Tool Length	250mm
Max. Tool Weight	8kg
Turret	
Turret No.	12pc
Tool Holder Format	BMT45
OD Tool Size	20mm
ID Tool Size	32mm
Live Tool Rotation Speed	5000rpm
Motor Output	2.8kw
Control	
Control Type	SIEMENS840D
Machine Size	
Machine Height	2960mm
Floor Plan	4085x2916mm
Machine Weight	15000kg
Energy Requirement	
Power Requirement	42kva
Air Pressure Requirement	6kg/cm³

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