



Chester 3 Axis Turning Centre • HAWK TC-250MC - TC-250M



Standard Accessories:

- ✓ Siemens 828D
- ✓ Shopturn
- ✓ MPG
- ✓ 5000rpm belt drive spindle (Siemens 828D) (TC-250MC only)
- ✓ 4000rpm belt drive spindle (Siemens 828D) (TC-250M only)
- ✓ 12 position BMT55 living turret
- ✓ 10" hollow hydraulic chuck and cylinder
- ✓ Hollow hydraulic cylinder
- ✓ Hydraulic Tailstock
- ✓ Hydraulic System
- ✓ Heat exchanger
- ✓ Auto chip conveyer & chip chart
- ✓ Auto Oil Lubrication System
- ✓ Tri-Color Light
- ✓ Air Gun
- ✓ Door Lock Switch
- ✓ Lighting Lamp
- ✓ Full Enclosure Splash Guard
- ✓ Telescopic Covers

Optional Accessories:

- ☐ FANUC Oi TF(5) CNC system
- ☐ Auto Parts Catcher
- ☐ Bar feeder Interface
- ☐ M30 Auto Power Off
- ☐ Hydraulic tailstock (only quill)
- ☐ Full Hydraulic Tailstock
- ☐ Bar feeder DH65
- ☐ Renishaw tools measure HPMA
- ☐ Air conditioner for cabinet



Technical Specifications

Technical Specifications	TC-250MC	TC-250M
Processing Range		
Max Swing over Bed	Φ550mm	Φ570mm
Max Swing over Saddle	Φ370mm	Φ400mm
Max Turning Diameter	Φ350mm	Φ320mm
Max Turning Length	795mm	475mm
Max Bar Capacity	Φ44mm	Φ51mm
Spindle		
Max Spindle Speed	5000rpm	4000rpm
Spindle Nose	A2-6	A2-6
Spindle Bore	Φ56mm	Φ65mm
Spindle Taper	Morse 6#	Metric 80
Height from spindle centre to ground	1000mm	1000mm
Hydraulic Tailstock		
Tailstock Quill Diameter	Φ100mm	Φ100mm
Tailstock Quill Travel	100mm	100mm
Quill Centre	Morse 5# (Live center)	Morse 5# (Live center)
Axis X/Z		
Travel X/Z	240/830mm	235/530mm
Rapid Travel Speed X/Z	24/30m/min	24/30m/min
X Axis ball screw dia/pitch	Φ32/8mm	Φ32/8mm
Z Axis ball screw dia/pitch	Φ32/10mm	Φ40/12mm
Hydraulic Turret		
Tool Position	12mm (VDI 20)	12mm (BMT55)[VDI 40]
Max. live tool speed	5000rpm	6000rpm
Turning tool shank size	20 x 20mm	25 x 25mm
Max. boring tool holder	Φ25mm	Φ32mm
Max. drilling capacity	Φ14×0.15mm	Φ14×0.16mm
Max. tapping capacity	M10×1.5/M24×1mm	M10×1.5/M24×1mm
Max. milling capacity	Φ20×10×40mm	Φ16×12×40mm
Machining Accuracy		
Positioning Accuracy X/Z/C	0.008/0.008/51"mm	0.008/0.008/51"mm
Repeatability Accuracy X/Z/C	0.004/0.004/20"mm	0.004/0.004/20"mm
Other		
Power capacity	40kVa	40kVa
Spindle motor power	7.5/11kW	11/15kW
Machine dimensions (L x W x H)	4160×1820×1820mm	4570×1845×1955mm
Weight	4200kg	4200kg