



Chester 3 Axis Turning Centre • HAWK TC-150M - TC-200ML



Standard Accessories:

- ✓ Siemens 828D
- ✓ Shopturn
- ✓ MPG
- ✓ 6000rpm belt drive spindle (Siemens 828D) (TC-150M only)
- ✓ 5000rpm belt drive spindle (Siemens 828D) (TC-200M & 200ML only)
- ✓ 12 position VID living turret (TC-150M only)
- ✓ 12 position BMT55 living turret (TC-200M & 200ML only)
- ✓ 6" hollow hydraulic chuck with 1 set soft jaw (TC-150M only)
- ✓ 8" hollow hydraulic chuck with 1 set soft jaw (TC-200M & 200ML only)
- ✓ Hollow hydraulic cylinder
- ✓ Hydraulic system
- ✓ Heat exchanger
- ✓ Auto chip conveyer (rear) & chip chart
- ✓ Auto oil lubrication system
- ✓ Auto Oil Lubrication System
- ✓ Tri-Color Light
- ✓ Air Gun
- ✓ Door Lock Switch
- ✓ Lighting Lamp
- ✓ Full Enclosure Splash Guard
- ✓ Telescopic Covers

- Casting designed using Finite element method
- High rigidity for precision components
- High standard specification
- One piece compact structure

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-150M	TC-200M	TC-200ML
Processing Range			
Max Swing over Bed	Φ500mm	Φ550mm	Φ550mm
Max Swing over Saddle	Φ300mm	Φ330mm	Φ370mm
Max Turning Diameter	Φ240mm	Φ290mm	Φ350mm
Max Turning Length	320mm	325mm	795mm
Max Bar Capacity	Φ44mm	Φ44mm	Φ44mm
Spindle			
Max Spindle Speed	6000rpm	5000rpm	5000rpm
Spindle Nose	A2-5	A2-6	A2-6
Spindle Bore	Φ56mm	Φ56mm	Φ56mm
Spindle Taper	Morse 6#	Morse 6#	Morse 6#
Height from spindle centre to ground	915mm	1000mm	1000mm
Hydraulic Tailstock			
Tailstock Quill Diameter	-	-	Φ100mm
Tailstock Quill Travel	-	-	100mm
Quill Centre	-	-	Morse 5# (Live center)
Axis X/Z			
Travel X/Z	180/350mm	240/430mm	240/830mm
Rapid Travel Speed X/Z	30/30m/min	24/30m/min	24/30m/min
X Axis ball screw dia/pitch	Φ32/10mm	Φ32/8mm	Φ32/8mm
Z Axis ball screw dia/pitch	Φ32/10mm	Φ32/10mm	Φ32/10mm
Hydraulic Turret			
Tool Position	12mm (VDI 20)	12mm (VDI 30)	12mm (VDI 30)
Max. live tool speed	4000rpm	5000rpm	5000rpm
Turning tool shank size	16 x 16mm	20 x 20mm	20 x 20mm
Max. boring tool holder	Φ16mm	Φ25mm	Φ25mm
Max. drilling capacity	Φ12×0.14mm	Φ14×0.15mm	Φ14×0.15mm
Max. tapping capacity	M8×1.5/M14×1mm	M10×1.5/M24×1mm	M10×1.5/M24×1mm
Max. milling capacity	Φ12×8×45mm	Φ20×10×40mm	Φ20×10×40mm
Machining Accuracy			
Positioning Accuracy X/Z/C	0.006/0.006/51"mm	00.006/0.006/51"mm	0.008/0.008/51"mm
Repeatability Accuracy X/Z/C	0.004/0.004/20"mm	0.004/0.004/20"mm	0.004/0.004/20"mm
Other			
Power capacity	20kVa	25kVa	40kVa
Spindle motor power	5.5/7.5kW	7.5/11kW	7.5/11kW
Machine dimensions (L x W x H)	1850×2250×1550mm	3660×1790×1820mm	4160×1820×1820mm
Weight	2600kg	3500kg	4200kg