



Chester 3 Axis Turning Centre • HAWK TC-375M-B - TC-375MXL-B



Standard Accessories:

- ✓ Siemens 828D
- ✓ Shopturn
- ✓ MPG
- ✓ 2000rpm belt drive spindle (Siemens 828D)
- ✓ 12 position BMT55 living turret
- ✓ 15" hollow chuck and cylinder + 22/26kw motor + 116mm bar capacity
- ✓ 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-375M-B	TC-375ML-B	TC-375MXL-B
Processing Range			
Max Swing over Bed	Φ650mm	Φ650mm	Φ650mm
Max Swing over Saddle	Φ410mm	Φ410mm	Φ450mm
Max Turning Diameter	Φ540mm	Φ540mm	Φ540mm
Max Turning Length	1000mm	1500mm	2000mm
Max Bar Capacity	Φ116mm	Φ116mm	Φ116mm
Spindle			
Max Spindle Speed	1600rpm	1600rpm	1600rpm
Spindle Nose	A2-11	A2-11	A2-11
Spindle Bore	Φ132mm	Φ132mm	Φ132mm
Spindle Taper	Metric 120	Metric 120	Metric 120
Height from spindle centre to ground	1100mm	1100mm	1100mm
Hydraulic Tailstock			
Tailstock Quill Diameter	Φ130mm	Φ130mm	Φ130mm
Tailstock Quill Travel	100mm	100mm	100mm
Quill Centre	Morse 5#	Morse 5#	Morse 5#
Axis X/Z			
Travel X/Z	355/1100mm	335/1600mm	3555/2100mm
Rapid Travel Speed X/Z	8/12m/min	8/12m/min	8/12m/min
X Axis ball screw dia/pitch	Φ32/8mm	Φ32/8mm	Φ32/8mm
Z Axis ball screw dia/pitch	Φ40/10mm	Φ40/10mm	Φ40/10mm
Hydraulic Turret			
Tool Position	12mm (VDI 40) [BMT55]	12mm (VDI 40) [BMT55]	12mm (VDI 40) [BMT55]
Max. live tool speed	5000rpm	5000rpm	5000rpm
Turning tool shank size	25 x 25mm	25 x 25mm	25 x 25mm
Max. boring tool holder	Φ40mm	Φ40mm	Φ40mm
Max. drilling capacity	Φ16×0.2mm	Φ16×0.2mm	Φ16×0.2mm
Max. tapping capacity	M14×2/M20×1.5mm	M14×2/M20×1.5mm	M14×2/M20×1.5mm
Max. milling capacity	Φ20×12×40mm	Φ20×12×40mm	Φ20×12×40mm
Machining Accuracy			
Positioning Accuracy X/Z/C	0.012/0.016/51"mm	0.012/0.016/51"mm	0.016/0.040/51"mm
Repeatability Accuracy X/Z/C	0.006/0.008/20"mm	0.006/0.008/20"mm	0.007/0.020/20"mm
Other			
Power capacity	55kVa	55kVa	55kVa
Spindle motor power	22/26kW	22/26kW	22/26kW
Machine dimensions (L x W x H)	5467×1945×2075mm	6007×1997×2145mm	6834×2165×2135mm
Weight	7500kg	8100kg	8800kg