



Chester 2 Axis Turning Centre • HAWK TC-300 - TC-375L



Standard Accessories:

- ✓ Siemens 828D
- ✓ Shopturn
- ✓ MPG
- ✓ 3000rpm belt drive spindle (Siemens 828D) (TC-300 & 300L only)
- ✓ 2000rpm belt drive spindle (Siemens 828D) (TC-250C Plus - TC-250L only)
- ✓ 8 position servo turret
- ✓ 12" hollow chuck and cylinder + 15/18.5kw motor +74mm bar capacity (TC-300 & 300L only)
- ✓ 15" hollow chuck and cylinder + 22/26kw motor +116mm bar capacity (TC-375L only)
- ✓ Hollow hydraulic cylinder
- ✓ Hydraulic Tailstock
- ✓ Hydraulic System
- ✓ Heat exchanger
- ✓ Auto chip conveyer (rear) & chip cart
- ✓ 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-300	TC-300L	TC-375L
Processing Range				
Max Swing over Bed		Φ650mm	Φ650mm	Φ650mm
Max Swing over Saddle		Φ480mm	Φ480mm	Φ450mm
Max Turning Diameter		Φ510mm	Φ510mm	Φ630mm
Max Turning Length		550mm	1000mm	1500mm
Max Bar Capacity		Φ74mm	Φ74mm	Φ116mm
Spindle				
Max Spindle Speed		2800rpm	2800rpm	2000rpm
Spindle Nose		A2-8	A2-8	A2-8
Spindle Bore		Φ92mm	Φ92mm	Φ132mm
Spindle Taper		Metric 80	Metric 80	Metric 100
Height from spindle centre to ground		1000mm	1000mm	1100mm
Hydraulic Tailstock				
Tailstock Quill Diameter		Φ100mm	Φ100mm	Servo Tailstock
Tailstock Quill Travel		100mm	100mm	Servo Tailstock
Quill Centre		Morse 5#(Live center)	Morse 5#(Live center)	Morse 5#(Dead center)
Axis X/Z				
Travel X/Z		280/600mm	280/1100mm	350/1600mm
Rapid Travel Speed X/Z		24/30m/min	24/30m/min	16/18m/min
X Axis ball screw dia/pitch		Φ32/8mm	Φ32/8mm	Φ40/10mm
Z Axis ball screw dia/pitch		Φ40/12mm	Φ40/12mm	Φ40/10mm
Hydraulic Turret				
Tool Position		8	8	8
Turning tool shank size		25x25mm	25x25mm	32x25mm
Boring tool holder diameter		Φ40mm	Φ40mm	Φ50mm
Machining Accuracy				
Positioning Accuracy	X	0.01mm	0.01mm	0.01mm
	Z	0.01mm	0.01mm	0.014mm
Repeatability Accuracy	X	0.004mm	0.004mm	0.005mm
	Z	0.004mm	0.004mm	0.008mm
Other				
Power capacity		30kVa	30kVa	35kVa
Spindle motor power		15/18.5kW	15/18.5kW	22/26kW
Machine dimensions (L x W x H)		4570×1885×1955mm	5070×1885×1955mm	5770×2060×2170mm
Weight		4400kg	4600kg	8000kg