



Chester 2 Axis Turning Centre • HAWK TC-250C - TC-250L



Standard Accessories:

- ✓ Siemens 828D
- ✓ Shopturn
- ✓ MPG
- ✓ 5000rpm belt drive spindle (Siemens 828D) (TC-250C only)
- ✓ 4000rpm belt drive spindle (Siemens 828D) (TC-250C Plus - TC-250L only)
- ✓ 8 position servo turret (TC-250C & TC-250-250L only)
- ✓ 12 position hydraulic turret (TC-250C Plus only)
- ✓ 10" hollow chuck and cylinder
- ✓ Roller guideway (TC-250C Plus only)
- ✓ Hollow hydraulic cylinder
- ✓ Hydraulic Tailstock (TC-250 & TC-250L only)
- ✓ Hydraulic System
- ✓ Heat exchanger
- ✓ Auto chip conveyer (rear) & chip cart
- ✓ Auto oil lubrication system
- ✓ Tri-color light
- ✓ Air Gun
- ✓ Door lock switch (TC-250C, TC-250, & TC-250L only)
- ✓ Power on/off indicator on electric cabinet door (TC-250C Plus only)
- ✓ 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-250C	TC-250C Plus	TC-250	TC-250L
Processing Range					
Max Swing over Bed		Φ550mm	Φ550mm	Φ570mm	Φ570mm
Max Swing over Saddle		Φ370mm	Φ370mm	Φ400mm	Φ400mm
Max Turning Diameter		Φ360mm	Φ320mm	Φ430mm	Φ430mm
Max Turning Length		810mm	810mm	565mm	1000mm
Max Bar Capacity		Φ44mm	Φ66mm	Φ51mm	Φ51mm
Spindle					
Max Spindle Speed		5000rpm	4000rpm	4000rpm	4000rpm
Spindle Nose		A2-6	A2-6	A2-6	A2-6
Spindle Bore		Φ56mm	Φ76mm	Φ65mm	Φ65mm
Spindle Taper		Morse 6#	Metric 85	Metric 80	Metric 80
Height from spindle centre to ground		1000mm	1000mm	1000mm	1000mm
Hydraulic Tailstock					
Tailstock Quill Diameter		Φ100mm	Φ100mm	Φ100mm	Φ100mm
Tailstock Quill Travel		100mm	100mm	100mm	100mm
Quill Centre		Morse 5#(Live center)	Morse 5#(Live center)	Morse 5#(Live center)	Morse 5#(Live center)
Axis X/Z					
Travel X/Z		240/830mm	240/830mm	240/600mm	240/1000mm
Rapid Travel Speed X/Z		24/30m/min	30/36m/min	24/30m/min	24/30m/min
X Axis ball screw dia/pitch		Φ32/8mm	Φ32/10mm	Φ32/8mm	Φ32/10mm
Z Axis ball screw dia/pitch		Φ32/10mm	Φ32/12mm	Φ40/12mm	Φ40/12mm
Hydraulic Turret					
Tool Position		8	12	8	8
Turning tool shank size		25x25mm	25x25mm	25x25mm	25x25mm
Boring tool holder diameter		Φ40mm	Φ40mm	Φ40mm	Φ40mm
Machining Accuracy					
Positioning Accuracy	X	0.006mm	0.006mm	0.008mm	0.008mm
	Z	0.006mm	0.006mm	0.008mm	0.008mm
Repeatability Accuracy	X	0.004mm	0.004mm	0.004mm	0.004mm
	Z	0.004mm	0.004mm	0.004mm	0.004mm
Other					
Power capacity		25kVa	25kVa	30kVa	30kVa
Spindle motor power		7.5/11kW	11.0/15.0kW	11/15kW	11/15kW
Machine dimensions (L x W x H)		4160×1820×1820mm	4105×1820×1820mm	4570×1845×1955mm	5070×1845×1955mm
Weight		4200kg	4200kg	4200kg	4400kg