



Chester Flatbed Lathe • FALCON TC-1250L



The Chester Falcon TC-1250L is a horizontal flatbed CNC lathe, with the main machine body as a one piece casting.

The casting design has been developed using finite element analyse software, this gives the machine excellent rigidity and accuracy.

Chester Machine Tools have designed this machine for medium to small batch work and one off machined components.

The Falcon range has twelve machines to chose from which will satisfy most applications.

With most accessories coming with this model as standard, this machine gives you excellent value for money and fantastic machine performance.

Standard Accessories:

- ✓ Siemens 828D Control With USB Port, CF Card Port And 10.4" Color LCD Display
- ✓ Full Enclosure
- ✓ 3-Guideway Boxway Structure
- ✓ 4 Station Electrical Turret
- ✓ Chip Discharge Plate
- ✓ Manual 4 Jaw Chuck
- ✓ Manual Tailstock
- ✓ A/C In Electric Cabinet
- ✓ Automatic Lubricating System
- ✓ Air Cooling And Air Gun Cleaner
- ✓ Work Light And 3 Color Tower Signal Light
- ✓ Instruction Manual, Parts List, And Electrical Drawings

Optional Accessories:

- ☐ Siemen 15" Screen
- ☐ Fanuc Oi TF
- ☐ Chip Conveyor
- ☐ Hydraulic Turret
- ☐ Toolholders
- ☐ Hydraulic 3 Jaw Chuck



Technical Specifications

Model	TC-1250L
Max Swing over Bed	Φ1250mm
Max Swing over Saddle	Φ950mm
Max Cutting Diameter	Φ1250mm
Max Cutting Length	3000mm
Max Component Weight	6000kg
Spindle	
Spindle Type	A2-15
Spindle Bore	130mm
Speed Change Type	Auto hydraulic
Spindle Speed	3-500r/min
Max.Output Torque	6370Nm
Spindle Motor Power	22/25kw(29.5/33.5hp)
Power of Motor	
X Axis Drive Type	Ball screw with direct motor drive
Servo Motor X Torque	20Nm
Z Axis Drive Type	Ball screw with direct motor drive
Servo Motor Z Torque	25Nm
Tool	
Manual 4 Jaws Chuck	1000mm
Axis Centering Journal Taper	metric 140
Spindle Front Bearing ID Diameter	200mm
Taper Hole	MT6
Taper of Spindle Center Sleeve	01:20
Turret Type	Electrical
Turrent Position	4
Tool Size	50*50mm
Tail Stock Quill Diameter	Φ160mm
Tail Stock Quill Travel	Φ300mm
Tail Stock Quill Taper	MT6
Rapid Traverse	
X Travel	730mm
Z Travel	3150mm
X Axis Rapid Traverse Rate	8m/min
Z Axis Rapid Traverse Rate	10m/min
Precision	
Cutting Feed Rate	1-8000mm/min
Positioning Accuracy X/Z	0.012/0.035mm
Repeatability X/Z	0.007/0.020mm
Power Required	45kva
Cooling Tank	800L
Dimensions	
Machine Gross Weight	16500kg
Machine Floor Space (lxwxh)	6915x2555x2370mm