

4-Axis CNC Turning Center

This 4-axis CNC turning center is designed for machining complex parts with precision. It features a programmable tailstock and a tool turret for automated tool changes, ensuring efficient and accurate production.



Overview



Comprehensive technical specifications and configuration options for the DT500E turning center.

High-Precision 4-Axis Turning Center

The DT500E is a versatile 4-axis turning center engineered for the precision machining of complex workpieces. It features a rigid structure for stability during high-speed cutting and is equipped with a high-performance spindle and advanced CNC controls for efficient material removal. With integrated features like a 12-station power turret and a programmable tailstock, this machine is ideal for applications requiring tight tolerances and complex geometries.

Core Performance

Key Performance Metrics

4000 rpm

Main Spindle Speed

320 mm

Max Turning Diameter

650 mm

Max Workpiece Length

22 kW

Main Motor Power

Capacities

Swing Capacities

Description	Measurement
Max. swing diameter over bed	∅600mm
Max. swing diameter over slide	∅450mm
Hydraulic/Collet Chuck Size	8 inch

Spindle Systems

Spindle Specifications

Feature	Main Spindle	Sub-Spindle (Optional)
Spindle Nose	A2-6	A2-5
Spindle Bore Diameter	166mm	155mm
Through-hole Diameter	152mm	146mm
Max Speed	4000 rpm	5000 rpm
Motor Power	22 kW	11 kW

Axis & Travel

Axis Travel & Feed

Axis	Travel Range	Rapid Traverse
X Axis	250 mm	20 m/min
Z Axis	700 mm	20 m/min
Y Axis	100 (±50) / 140 (±70) mm	20 m/min

Tooling & Turret

Turret & Live Tooling

- 12-Station Power Turret
- BMT45 or BMT55 Turret Type
- OD Tool Shank Size: 20x20 mm
- Boring Tool Shank Size: Ø32 mm
- Live Tooling Motor: 3.7 kW
- Max Live Tooling Speed: 5000 rpm

Standard Configuration

Standard Features

Hydraulic 3-Jaw Chuck 8", Automatic Lubrication System, Automatic Coolant System, Work and Alarm Light, Programmable Tailstock

Optional Equipment

Optional Accessories

Tool Setter • Chip Conveyor • Live Tool Holders • Oil Mist Collector • Bar Feeder • Custom Chucks & Collets

Physical Dimensions

Machine Weight	4800 Kg
Overall Dimensions (L×W×H)	2900 × 1650 × 2000 mm