

# 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