

Ref. No.: 1525-0780800





Description:

Used CMZ TD-35Y CNC Lathe: Power, Precision, and Reliability for Complex Machining

State-of-the-art Fanuc CNC Control

Discover the ultimate in turning performance with the CMZ TD-35Y. Designed for demanding production environments, this machine combines tremendous power with exceptional precision—based on CMZ's 80 years of manufacturing experience. Part of the renowned TD series, the TD-35Y integrates a Y-axis and driven tools, enabling complex, multi-axis machining in a single setup. This drastically reduces cycle times and increases efficiency.

Key Features

Unmatched Rigidity and Stability: The foundation of every TD series machine is the highly rigid, monoblock cast iron machine bed. This one-piece design, paired with robust prism guides, provides excellent vibration damping, resulting in outstanding surface finishes and longer tool life.

- Advanced Thermal Control: CMZ has developed a comprehensive cooling system to ensure exceptional thermal stability.
- **Integrated Spindle Cooling:** The main spindle motor is integrated directly into the headstock and features oil cooling. This eliminates belts and pulleys, ensuring quieter and more reliable operation.
- Axis Cooling: The ball screw nuts and mounts of the X and Y axes are oil-cooled.
 Baseplate Sensor: A temperature sensor in the baseplate continuously monitors and regulates the temperature of the cooling oil for the spindles, nuts, and turret.

 Laser Compensation: Each machine features bidirectional and interpolated laser compensation on all axes, including the C-axis, for consistent accuracy.
- **High-Performance Spindle:** The integrated spindle motor delivers impressive power and torque with shorter acceleration and deceleration times. This design significantly increases accuracy and improves machining efficiency.
- **Dynamic Turret with Live Tools:** The turret is designed for speed, power, and precision.
- **High-speed indexing**: Tool changes take just 0.2 seconds for adjacent positions and 0.5 seconds for a 180° rotation.

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- **Powerful driven tools:** The built-in motor delivers 12,000 rpm, 13 kW of power, and 105 Nm of torque for demanding milling, drilling, and threading operations.
- **Hydraulic clamping:** A robust hydraulic system ensures stable tool clamping and maximum performance.

Oil cooling: The entire turret is oil-cooled, ensuring greater thermal stability during extended use.

Technical Specifications: CMZ TD-35Y

Capacity

- Max. Swing Diameter Over Bed: 950 mm
- Max. Turning Diameter: 715 mm
- Max. Turning Length (Z800 / Z1350): 800 mm / 1350 mm

Main Spindle

- Spindle Head: ASA A2-8"
- Spindle Speed: 3,000 rpm
- Bar Capacity: 95 mm
- Recommended Chuck Size: 315 / 400 mm
- Motor power (S3 25% / S1): 48 kW / 39 kW
- Max. torque (Max. / S3 25% / S1): 1500 Nm / 1273 Nm / 1035 Nm

Axes

- X-axis travel: 380 mm
- Z-axis travel: 800 mm / 1350 mm
- Y-axis travel: ±80 mm
- Rapid traverse (X, Z, Y): 30 m/min, 30 m/min, 15 m/min

Turret & Live Tooling

- Number of Stations: 16
- Toolholder Type: BMT
- Live Tool Speed: 12,000 rpm
- Live Tool Power: 13 kW
- Live Tool Torque: 105 Nm

To learn more about how the CMZ TD-35Y can revolutionize your production, please contact us.

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Technical Data:

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Control: FANUC

Turning lenght: 1350.00 mm Turning diameter: 800.00 mm Spindle Speed: 12000.00 rpm

Driven Tools: 16.00 Tool Capacity: 16 x

Tailstock: Yes Bezel: Yes

Dimensions and Weight:

Height: 1900 mm Length: 2803 mm Width: 1930 mm

Buyer Information:

Condition: Very good condition

Available: Sold

Sold as:

EXW (Ex Works - Incoterm)

VAT: 19 %

Buyers Premium: 18 % Location: Germany



Images:











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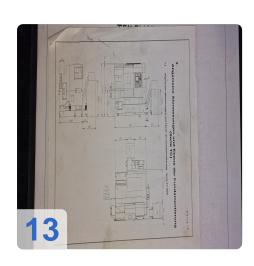














Video:



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