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DTL-25M Vertical Turning Lathe 2500 mm





Main image of the DTL-25M model

DTL-25M 2500 mm Single-Column CNC Vertical Turning and Milling Machining Centre

DTL-25M Vertical Turning Lathe

CNC Vertical Turning Lathe for Turning and Multi-Task Machining of Workpieces up to 2500 mm

DTL-25M is a single-column CNC vertical turning lathe designed for precision machining of workpieces with a maximum turning diameter of **2500 mm**. The machine combines turning with additional operations such as milling, drilling, tapping and grinding. Thanks to turn-mill functions, it is suitable not only for turning, but also for milling, drilling and tapping more complex components.



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The model is designed for stable, rigid operation and high accuracy. It features, among other things, a rigid ribbed box-type construction, precision spindle bearings, a gearbox for accurate C-axis indexing and an optional ATC automatic tool changer.

2500

Max. Turning Diameter

2500 mm

2000

Table Diameter

2000 mm

1600

Max. Workpiece Height

1600 mm, optional 2000 mm

12T

Table Load Capacity

12 t

DTL-25M – precision CNC vertical turning lathe for turning and multi-task machining.

The model features a 2000 mm table diameter, 12 t table load capacity, maximum workpiece height of 1600 mm with an optional 2000 mm version, a 60/75 kW main motor, driven spindle, precision 2-step gearbox, hydraulic system and the option of an ATC automatic tool changer.

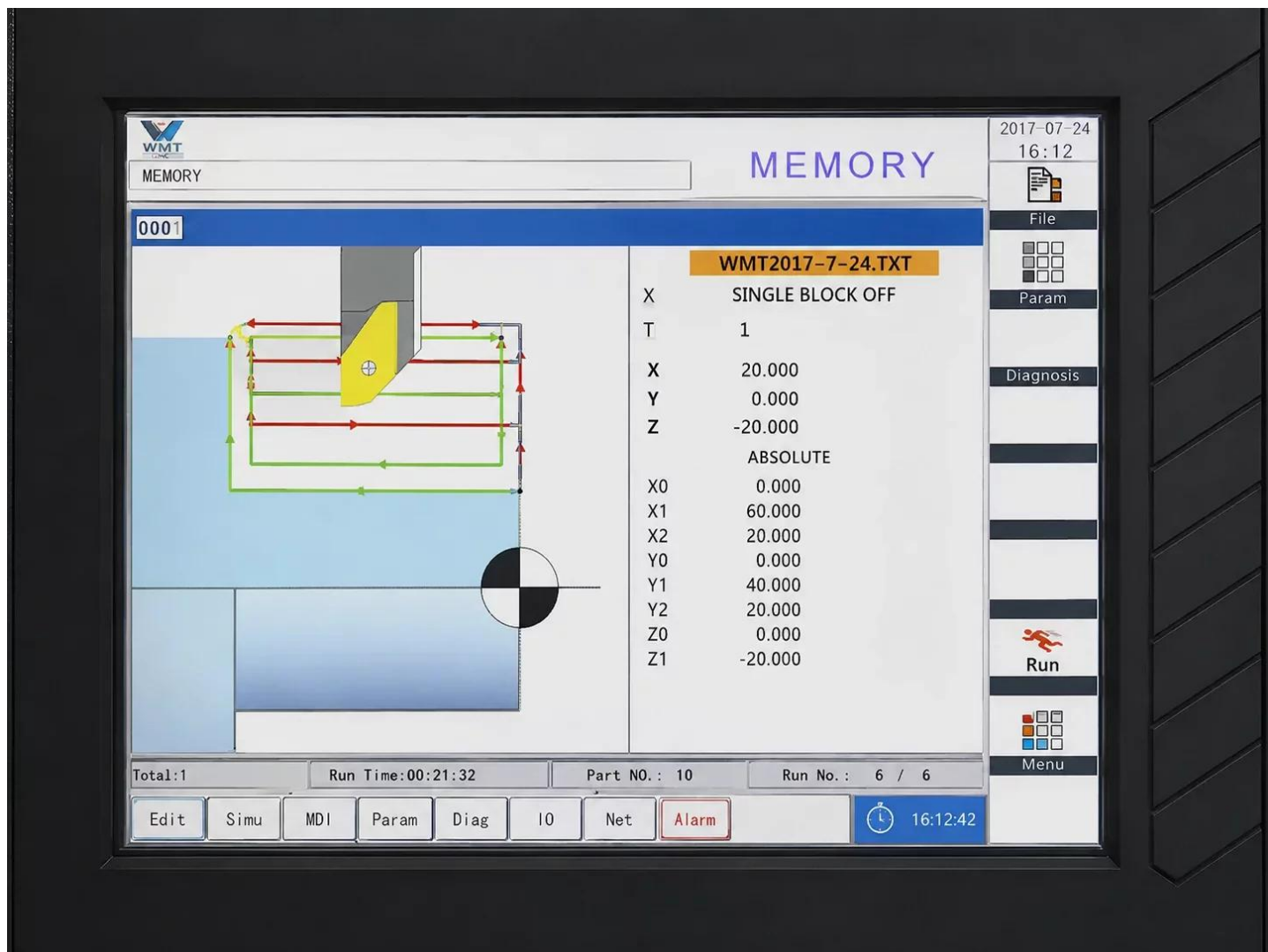
Photo Gallery

Images and Key Components of the DTL-25M Model

5 Images Presenting the Machine's Key Components and Functions



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CNC

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Driven Spindle



Machining

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2-Step Gearbox



Hydraulics
Technical Features

Key Features of the DTL-25M

Rigid ribbed box-type construction provides very high stability and resistance to machining loads.

Preloaded double-row roller bearing ensures precise spindle rotation and high machining accuracy.

Driven spindle with ISO taper enables milling, drilling, tapping, grinding and other multi-task operations.



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Precision gearbox and drive mechanism are used for accurate C-axis indexing.

Optional ATC automatic tool changer streamlines multi-tool machining and reduces changeover time.

Hydraulic auxiliary systems support stable and safe machine operation in industrial conditions.

Applications

Where Is the DTL-25M Lathe Suitable?

The DTL-25M is suitable wherever a precision CNC vertical turning lathe is required for machining workpieces up to 2500 mm in diameter and 1600 mm in height, with the option to increase the workpiece height to 2000 mm. Thanks to turn-mill functions, the machine is suitable not only for turning but also for milling, drilling and tapping more complex components.

Bushing and ring machining – accurate turning of round and flanged components.

Housing and enclosure production – stable machining of machine parts and industrial components.

Components requiring drilling and milling – the driven spindle enables multi-task machining on one machine.

Production facilities and toolrooms – for efficient batch and single-piece machining of high-precision workpieces.

DTL-25M Specifications

Technical Specifications of the DTL-25M Model

Model **DTL-25M**

Machine Type **CNC Vertical Turning Lathe**

Configuration **Single-column vertical turning lathe for turning and multi-task machining**

Max. Turning Diameter **2500 mm**

Table Diameter **2000 mm**

Max. Machined Workpiece Height **1600 mm, optional 2000 mm**

Table Load Capacity **12 t**

Main Motor Power **60 / 75 kW**

Tool Spindle **Driven spindle with ISO taper**

Available Operations **Turning, milling, drilling, tapping, grinding**



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Gearbox **2-step gearbox**

C-Axis Indexing **Precision drive mechanism for accurate positioning**

Hydraulics **Yes**

ATC **Optional automatic tool changer**