KARTA PRODUKTOWA

DTL-10M Vertical Turning Lathe 1000 mm

KARTA PRODUKTOWA

Main image of the DTL-10M model
DTL-10M 1000 mm Single-Column CNC Vertical Turning and Milling Machining Centre

DTL-10M Vertical Turning Lathe

Compact vertical turning lathe for turning and multi-task machining

DTL-10M is a single-column CNC vertical turning lathe designed for precision machining using turning functions and additional operations such as milling, drilling, tapping and grinding. Thanks to turn-mill functions, the machine is suitable not only for turning, but also for milling, drilling and tapping more complex components.

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.

1000
Max. Turning Diameter
1000 mm
600
Table Diameter
600 mm
700
Max. Workpiece Height
700 mm
2T
Table Load Capacity
2 t

DTL-10M — precision CNC vertical turning lathe for turning and multi-task machining.

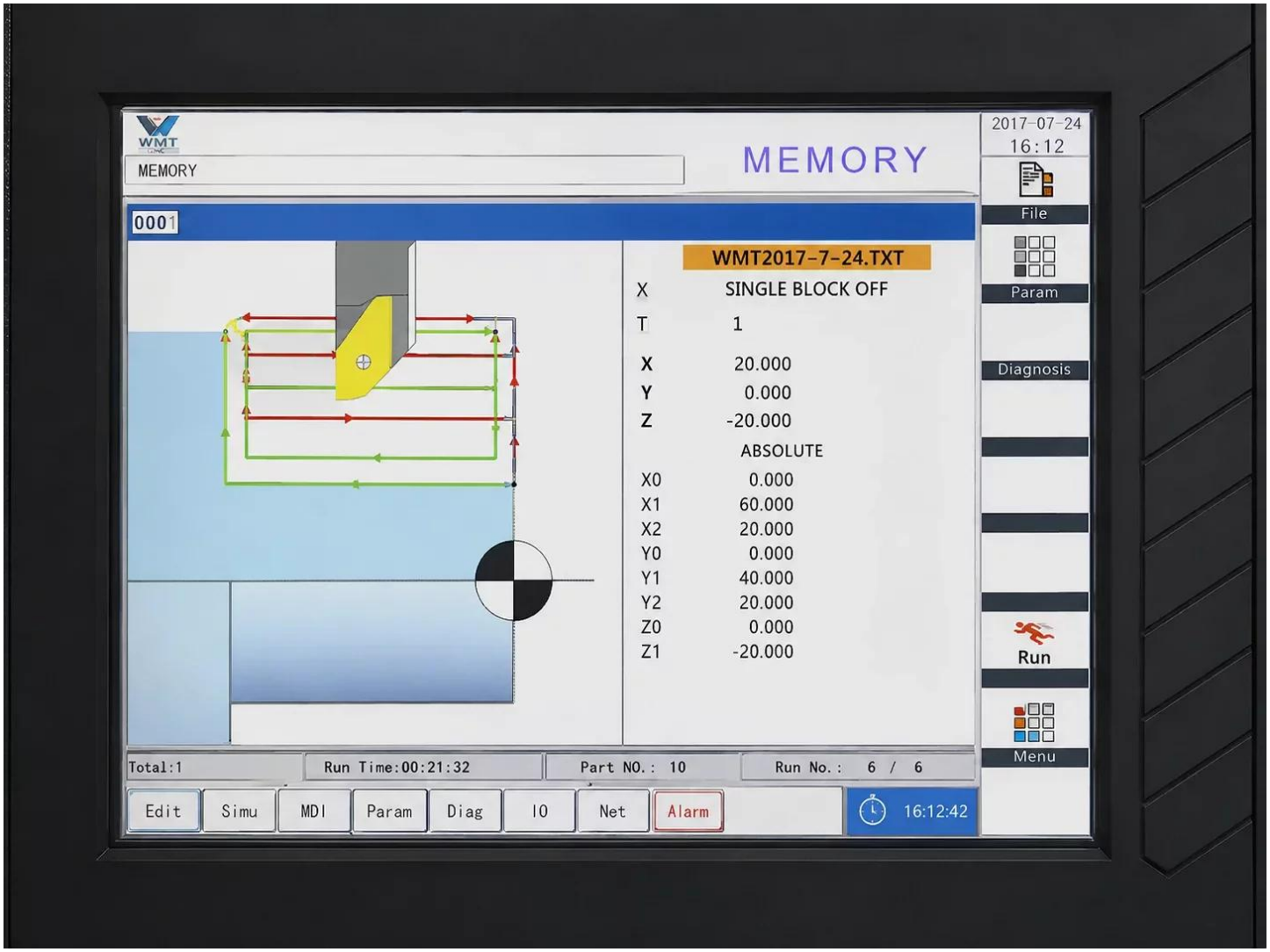
The model features a 13/22 kW main motor, a driven spindle, a precision 2-step gearbox, hydraulic system and the option of an ATC automatic tool changer.

Photo Gallery

Images and Key Components of the DTL-10M Model

5 Images Presenting the Machine’s Key Components and Functions

KARTA PRODUKTOWA



CNC

KARTA PRODUKTOWA

Driven Spindle

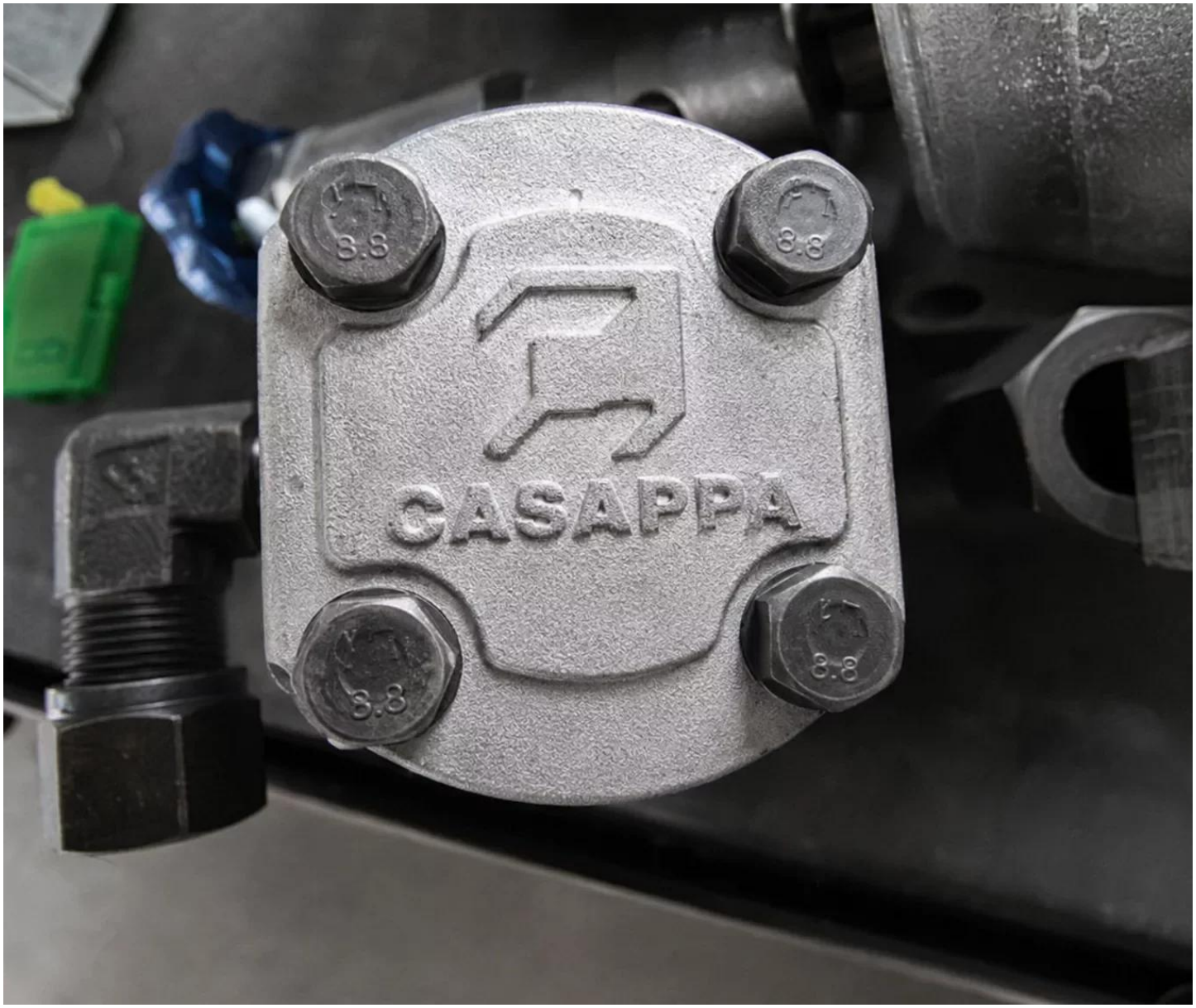
KARTA PRODUKTOWA

Machining

KARTA PRODUKTOWA

2-Step Gearbox

KARTA PRODUKTOWA



Hydraulics
Technical Features

Key Features of the DTL-10M

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.

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-10M Lathe Suitable?

The DTL-10M is suitable wherever a precision CNC vertical turning lathe is required for machining workpieces up to 1000 mm in diameter. 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-10M Specifications

Technical Specifications of the DTL-10M Model

Model **DTL-10M**
Machine Type **Vertical Turning Lathe (DTL)**
Configuration **Compact vertical turning lathe for turning and multi-task machining**
Max. Turning Diameter **1000 mm**
Table Diameter **600 mm**
Max. Machined Workpiece Height **700 mm**
Table Load Capacity **2 t**
Main Motor Power **13 / 22 kW**
Tool Spindle **Driven spindle with ISO taper**
Available Operations **Turning, milling, drilling, tapping, grinding**
Gearbox **2-step gearbox**

KARTA PRODUKTOWA

C-Axis Indexing **Precision drive mechanism for accurate positioning**
Hydraulics **Yes**
ATC **Optional automatic tool changer**