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DTL-25F/CNC Vertical Turning Lathe 2500 mm





Main image of the DTL-25F/CNC model
CNC Vertical Turning Lathe

DTL-25F/CNC Vertical Turning Lathe

Double-column CNC vertical turning lathe with a fixed crossbeam for machining workpieces up to 2500 mm

DTL-25F/CNC is a **double-column CNC vertical turning lathe** with a fixed crossbeam, designed for precise and stable machining of industrial workpieces. The machine enables machining of components with a maximum turning diameter of up to **2500 mm** and a table load capacity of **12 tonnes**.

The model was designed for high rigidity and repeatable accuracy. High-quality castings, a symmetrical gantry construction, hydrostatic table bearings and hydrostatic guideways ensure smooth and efficient machining of disc-shaped workpieces, rings, flanges and large technical components.

2500
Max. Turning Diameter
2500 mm



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2250
Table Diameter
2250 mm
1000
Max. Workpiece Height
1000 mm, optional 1200 mm
12T
Table Load Capacity
12 t
DTL-25F/CNC – double-column CNC vertical turning lathe with a fixed crossbeam.

The model offers a maximum turning diameter of 2500 mm, a 2250 mm table, a 12 t table load capacity, a workpiece height of 1000 mm with an optional 1200 mm, a 55 kW main motor and a CNC system with AC drive and speed control via a VDF unit.

Photo Gallery

Images and Key Components of the DTL-25F/CNC Model

Images showing the machine's key components and functions



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CNC Control

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MPG Handwheel

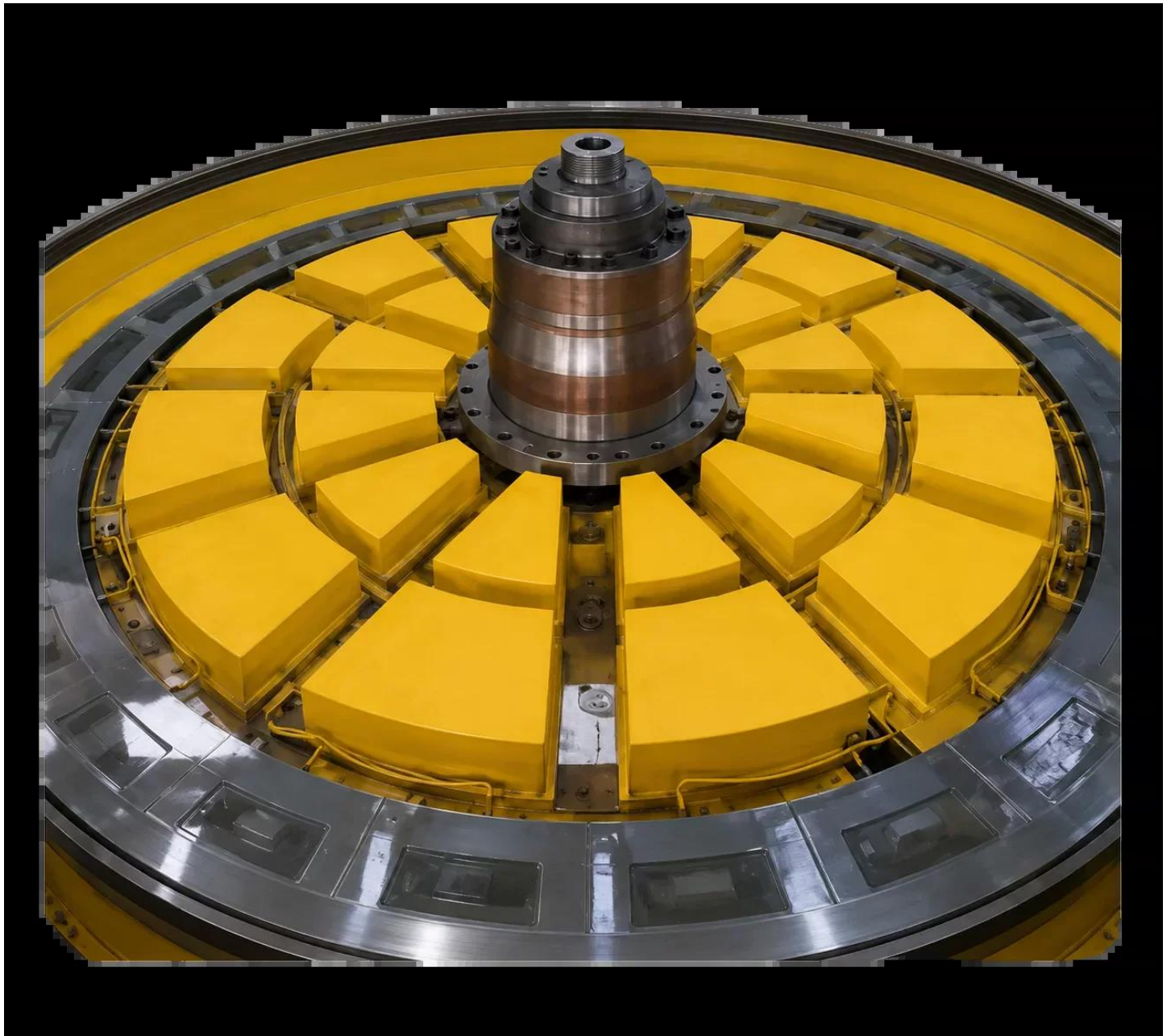


Spindle Rotary Encoder

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Speed Reducer



Hydrostatic Guideways
Technical Features

Key Features of the DTL-25F/CNC

High-quality LEF / VSR castings and a rigid, symmetrical double-column construction provide stability during machining.

2 or 1 ram head — configurable with one CNC head for finish machining and one manual head for rough



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turning.

AC main motor with a VDF unit provides smooth adjustment of machine operating speeds.

Hydrostatic table bearings and high table load capacity enable stable machining of heavy workpieces.

Fixed crossbeam provides high rigidity, productivity and accuracy when machining disc-shaped components.

Hydrostatic guideways improve motion smoothness, durability and machine operating stability.

Applications

Where is the DTL-25F/CNC lathe suitable?

The DTL-25F/CNC is suitable for machining disc-shaped workpieces, rings, flanges, housings, bearing components and industrial parts that require stable clamping on a large table and precise CNC machining.

Heavy industry – machining large housings, castings and structural components.

Flange and ring production – stable machining of round and disc-shaped workpieces.

Bearing industry – turning large rings, raceways and rotary components.

CNC machining shops – for repeatable and accurate machining of workpieces up to 2500 mm in diameter.

DTL-25F/CNC Specifications

Technical Specifications of the DTL-25F/CNC Model

Model **DTL-25F/CNC**

Machine Type **CNC Vertical Turning Lathe**

Construction **Double-column / gantry construction with a fixed crossbeam**

Configuration **CNC**

Max. Turning Diameter **2500 mm**

Table Diameter **2250 mm**

Max. Workpiece Height **1000 mm, optional 1200 mm**



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Table Load Capacity **12 t**

Main Motor Power **55 kW**

Control **Siemens 828D / Siemens 840D / Fanuc 0i-mate TD / Fanuc 0i-TD / Fanuc 32i**

Main Drive **AC motor with VDF unit for variable speed control**

Table Bearings **Hydrostatic bearings providing high load capacity**

Guideways **Hydrostatic Guideways**