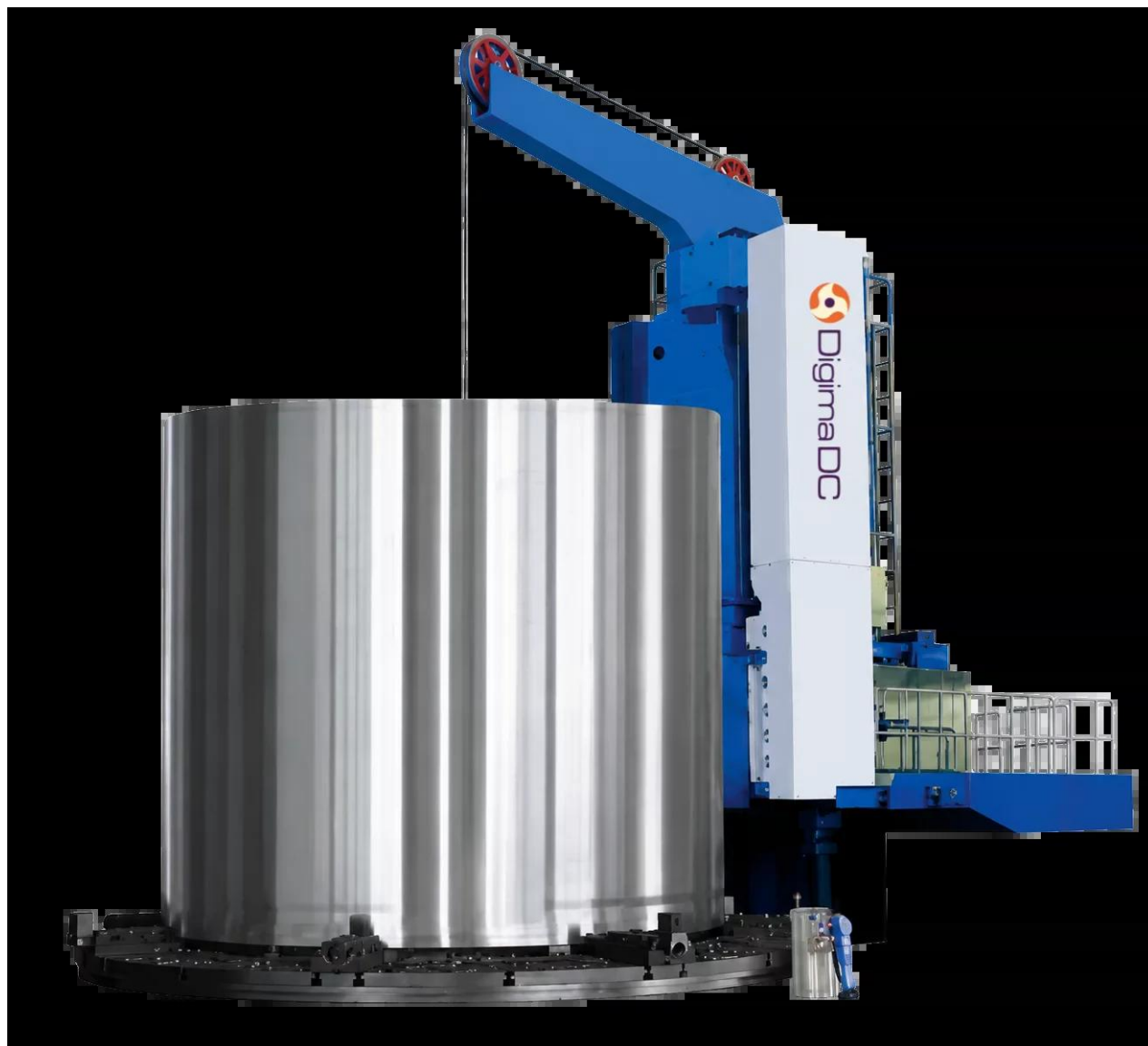




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DTL-100S-CNC Vertical Turning Lathe 10000 mm





Main image of the DTL-100S-CNC model
CNC Vertical Turning Lathe

DTL-100S-CNC Vertical Turning Lathe

CNC vertical turning lathe with a single movable column for machining workpieces up to 10000 mm

DTL-100S-CNC is a CNC vertical turning lathe with a **single movable column**, designed for precise machining of very large and heavy industrial workpieces. The machine enables turning of components with a maximum diameter of **10000 mm** and operation with a table load capacity of **90 t**, optionally up to **120 t**.



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The design, based on high-quality castings, a large ram-head section and hydrostatic table bearings, provides high stability during machining of oversized components. The movable column facilitates loading and unloading of large and heavy workpieces.

10000

Max. Turning Diameter

10000 mm

5700

Table Diameter

5700 mm, optional 6300 / 7100 mm

4000

Max. Workpiece Height

4000 mm, optional 5000 / 6000 mm

90T

Table Load Capacity

90 t, optional 120 t

DTL-100S-CNC – CNC vertical turning lathe with a single movable column.

The model offers a maximum turning diameter of 10000 mm, a 5700 mm table with an optional 6300 or 7100 mm version, a workpiece height of 4000 mm with an optional 5000 or 6000 mm version, a table load capacity of 90 t with an optional 120 t version and a 90 kW main motor with an optional 110 kW version.

Photo Gallery

Images and Key Components of the DTL-100S-CNC Model

Images showing the machine's key components and functions



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Central Lubrication System

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Hydraulic Unit

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Electrical Cabinet Air Conditioner



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Packaging

Technical Features

Key Features of the DTL-100S-CNC

High-quality LEF / VSR castings and a rigid, symmetrical construction provide stability during machining of heavy workpieces.



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Large ram-head section enables efficient machining of heavy and tall industrial components.

AC main motor with a VDF unit provides smooth speed adjustment and stable main-drive operation.

Hydrostatic table bearings provide high load capacity and smooth operation under heavy loads.

Movable column facilitates loading and unloading of large and heavy workpieces.

Auxiliary equipment includes, among others, central lubrication, a hydraulic unit and electrical cabinet air conditioning.

Applications

Where is the DTL-100S-CNC lathe suitable?

The DTL-100S-CNC is suitable for machining very large and heavy industrial workpieces, such as rings, flanges, housings, power-generation components, heavy machinery components, turbine parts and components requiring stable clamping and precise CNC machining.

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

Power generation – turning turbine components, large rings and technical components.

Flange and ring production – stable machining of workpieces with large diameters and high mass.

Large-scale machining facilities – for components with turning diameters up to 10000 mm.

DTL-100S-CNC Specifications

Technical Specifications of the DTL-100S-CNC Model

Model **DTL-100S-CNC**

Machine Type **CNC Vertical Turning Lathe**

Construction **Single Movable Column**

Configuration **Single-column, CNC**

Max. Turning Diameter **10000 mm**

Table Diameter **5700 mm, optional 6300 mm or 7100 mm**



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Max. Workpiece Height **4000 mm, optional 5000 mm or 6000 mm**

Table Load Capacity **90 t, optional 120 t**

Main Motor Power **90 kW, optional 110 kW**

Control **Siemens 828D s.l. / Siemens 840D s.l. / Fanuc 0i-TD / Fanuc 32i**

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

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

Selected Equipment Components **CNC, central lubrication system, hydraulic unit, electrical cabinet air conditioner, packaging**