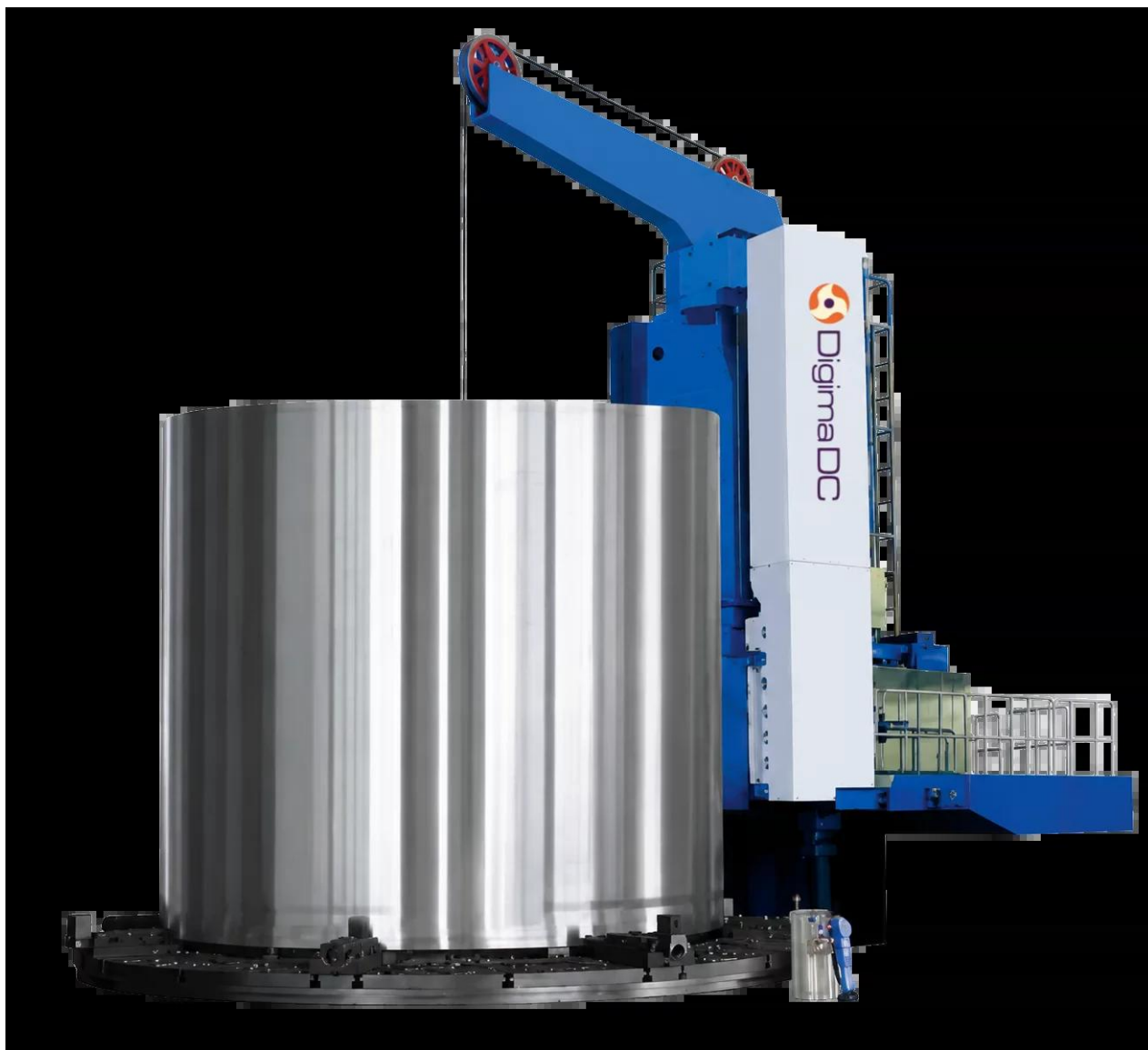




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DTL-160S-CNC Vertical Turning Lathe 16000 mm





Main image of the DTL-160S-CNC model
CNC Vertical Turning Lathe

DTL-160S-CNC Vertical Turning Lathe

CNC vertical turning lathe with a single movable column for machining workpieces up to 16000 mm

DTL-160S-CNC is a CNC vertical turning lathe with a **single movable column**, designed for precise machining of the largest and heaviest industrial workpieces. The machine enables turning of components with a maximum diameter of **16000 mm** and operation with a table load capacity of **120 t**, optionally up to



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200 or 300 t.

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.

16000

Max. Turning Diameter

16000 mm

7100

Table Diameter

7100 mm, optional 8000 / 10000 mm

4000

Max. Workpiece Height

4000 mm, optional 5000 / 6000 / 7000 mm

120T

Table Load Capacity

120 t, optional 200 / 300 t

DTL-160S-CNC – CNC vertical turning lathe with a single movable column.

The model offers a maximum turning diameter of 16000 mm, a 7100 mm table with an optional 8000 or 10000 mm version, a workpiece height of 4000 mm with an optional 5000, 6000 or 7000 mm version, a table load capacity of 120 t with an optional 200 or 300 t version and a 90 kW main motor with an optional 110 or 130 kW version.

Photo Gallery

Images and Key Components of the DTL-160S-CNC Model

Images showing the machine's key components and functions



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CNC Control

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Central Lubrication System

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Hydraulic Unit

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Electrical Cabinet Air Conditioner



Packaging

Technical Features

Key Features of the DTL-160S-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 extreme loads.

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

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

Applications

Where is the DTL-160S-CNC lathe suitable?

The DTL-160S-CNC is suitable for machining the largest and heaviest industrial workpieces, such as oversized rings, flanges, housings, power-generation components, heavy machinery components, turbine parts and components requiring stable clamping and precise CNC machining.

Heavy industry – machining very 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 extremely large diameters and high mass.

Large-scale machining facilities – for components with turning diameters up to 16000 mm.

DTL-160S-CNC Specifications

Technical Specifications of the DTL-160S-CNC Model

Model **DTL-160S-CNC**

Machine Type **CNC Vertical Turning Lathe**

Construction **Single Movable Column**

Configuration **Single-column, CNC**

Max. Turning Diameter **16000 mm**



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Table Diameter **7100 mm, optional 8000 mm or 10000 mm**

Max. Workpiece Height **4000 mm, optional 5000 mm, 6000 mm or 7000 mm**

Table Load Capacity **120 t, optional 200 t or 300 t**

Main Motor Power **90 kW, optional 110 kW or 130 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 very high load capacity**

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