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DTL-130CNC CNC Vertical Turning Lathe 13000 mm





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Double-Column CNC Lathe

DTL-130CNC CNC Vertical Turning Lathe

Double-column CNC vertical turning lathe for heavy machining of workpieces with turning diameters up to 13000 mm



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DTL-130CNC is a heavy-duty vertical turning lathe of the **double-column CNC** type, designed for precision machining of very large and massive components in industrial, power generation, mining, construction and manufacturing facilities.

The design is based on a rigid, symmetrical double-column arrangement, hydrostatic table guideways, two ram heads and a CNC system for accurate and repeatable machining. The DTL-130CNC model offers a turning diameter of up to **13000 mm** and a table diameter of **8000 mm** with an option of **9000 / 10000 mm**.

13000

Max. Turning Diameter

13000 mm

8000

Table Diameter

8000 mm, opcjonalnie 9000 / 10000 mm

250T

Table Load Capacity

250 t, optional 300 / 400 / 500 t

110

Main Motor Power

110 kW, optional 130 / 145 kW

Heavy-duty CNC machine for the largest industrial components.

The DTL-130CNC combines a robust double-column construction, two working heads, hydrostatic table bearings, automatic lubrication, axis servodrives, ball screws and Siemens SINUMERIK 828D / 840D CNC control.

Photo Gallery

Images and Equipment Components

Technical Machine Images



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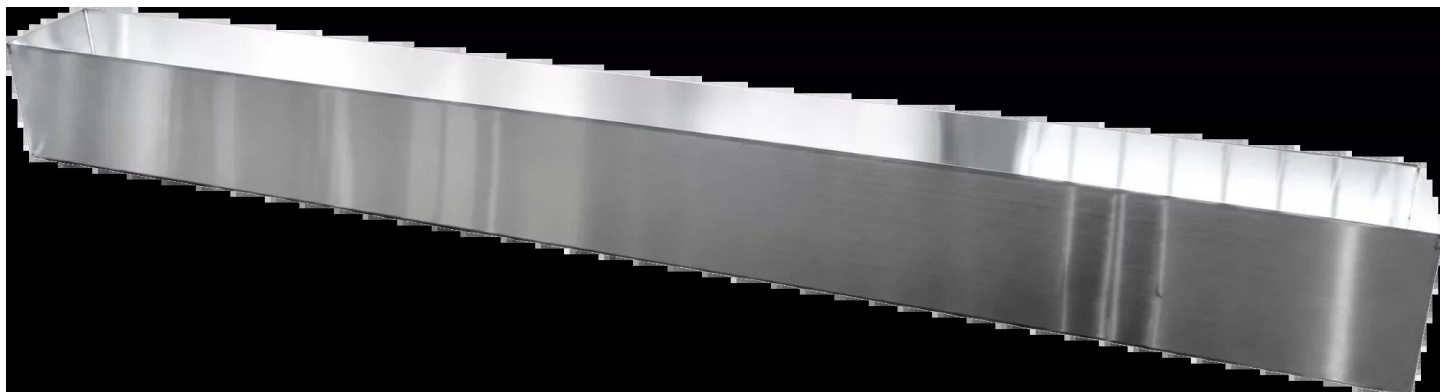
Main Machine View



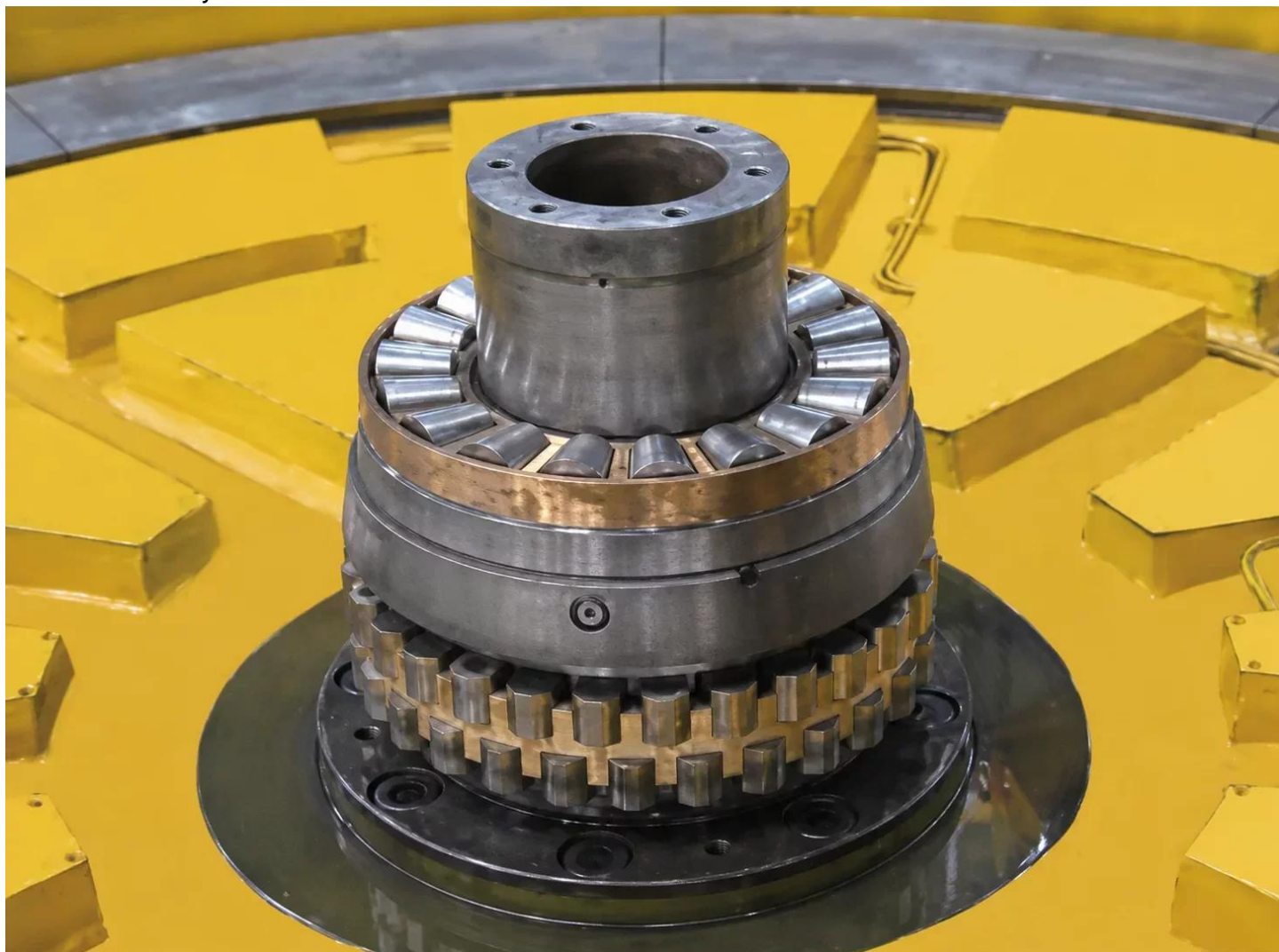
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CNC Operator Panel

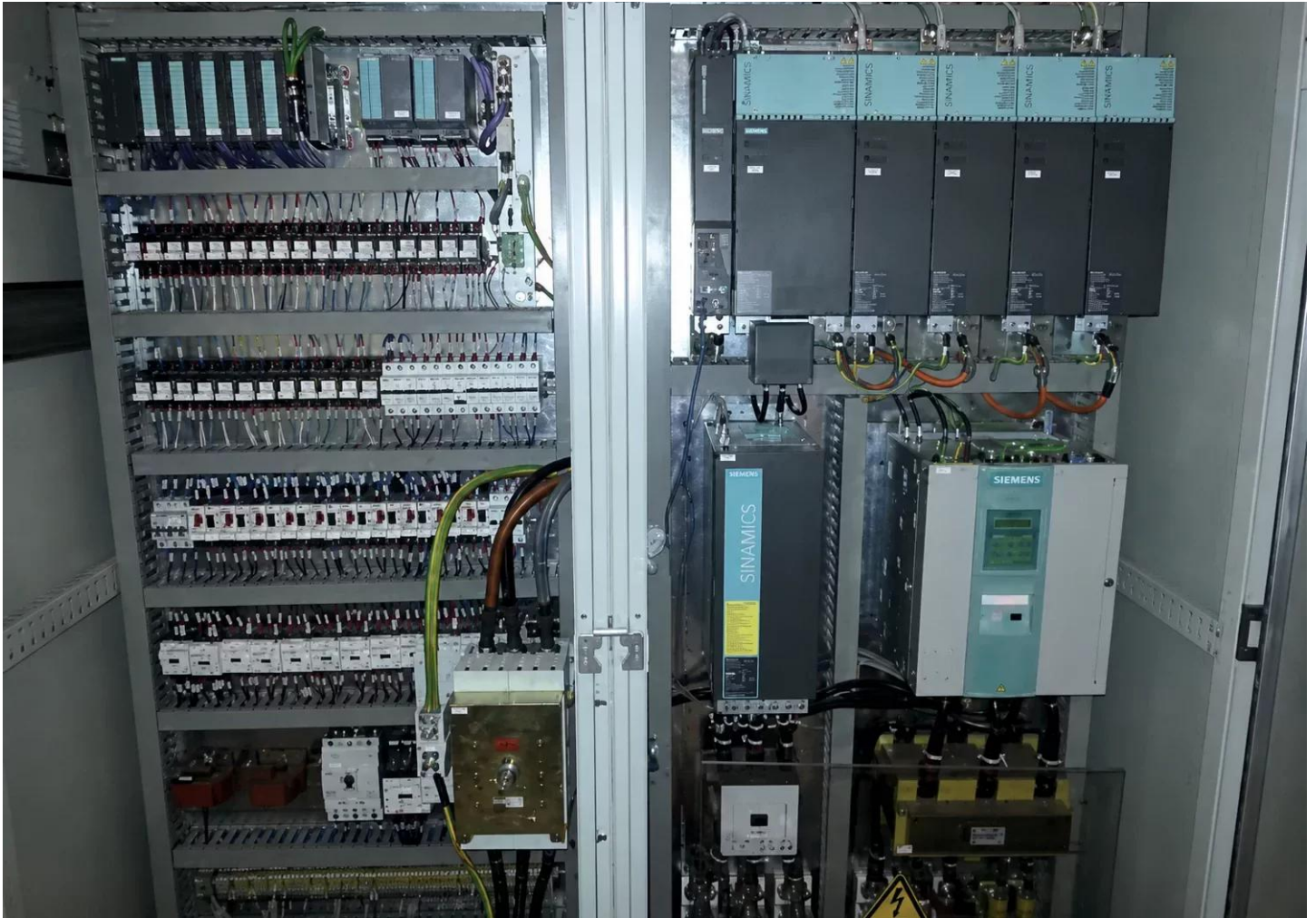


Beam / Guideways



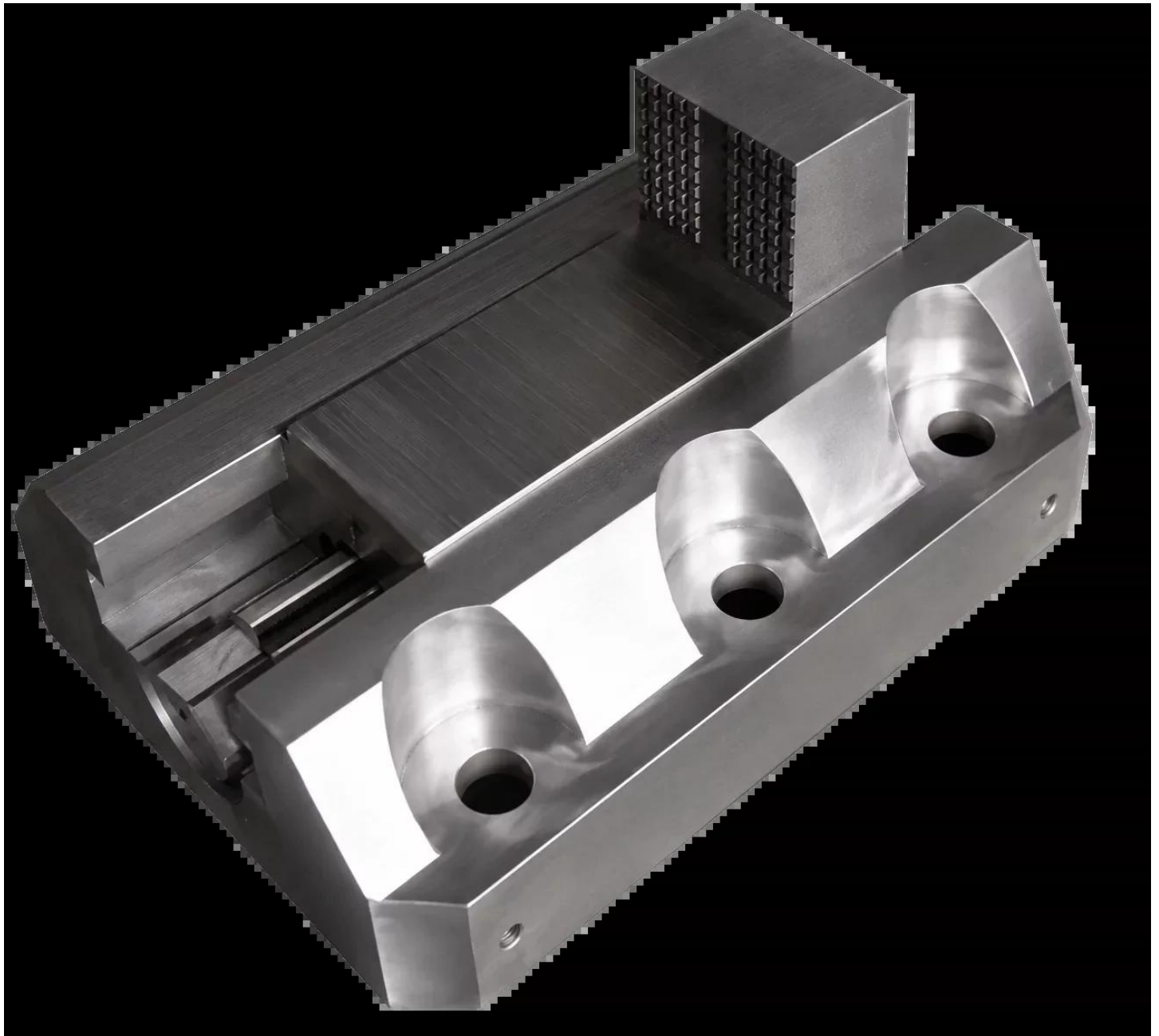
Spindle and Base

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Electrical Cabinet
Standard Equipment

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Chuck Jaws

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Tool Holder



Leveling Wedges and Screws

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Hand Tools

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Oil Can
Optional Equipment



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FANUC CNC

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Electric Turret Head

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Linear Scales



Ball Screws

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Paper Filter
Industrial Applications

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Turbine Industry



Tank Industry



Engineering and Manufacturing



Oil & Gas



Forges and Foundries

Technical Features

Key Features of the DTL-130CNC

High-quality castings and a rigid, symmetrical double-column construction.

Two ram heads – one CNC head for finish turning and one manual head for rough machining.

AC/DC main motor with a VDF unit providing variable working speeds.

Hydrostatic bearings enabling machining of very heavy workpieces.

Automatic forced lubrication of the main guideways for stable and safe operation.

Feed servodrive and ball screws provide precise CNC feeds.

Precision rotary encoder on the spindle enables threading and CSS machining functions.



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Siemens SINUMERIK 828D / 840D CNC system with a colour TFT monitor.

Applications

Where is the DTL-130CNC lathe suitable?

The DTL-130CNC is designed for machining very large, heavy and oversized components, especially where high system rigidity, CNC repeatability, a stable working table and safe clamping of a very heavy workpiece are required.

Turbine industry – machining large rings, housings, discs and rotating components.

Tank industry – tank components, flanges, rings and oversized elements.

Oil & Gas – plant components, housings, flanges and parts operating in demanding conditions.

Forges and foundries – machining large castings, forgings and components that require a rigid CNC machine.

DTL-130CNC Specifications

Technical Specifications for the DTL-130CNC Model

Model **DTL-130CNC**

Machine Type **Vertical Turning Lathe – double-column CNC vertical turning lathe**

Version **Double-column, CNC**

Maximum Turning Diameter **13000 mm**

Table Diameter / Size **8000 mm, opcjonalnie 9000 / 10000 mm**

Maximum Workpiece Height **5000 mm, opcjonalnie 6000 / 8000 mm**

Table Load Capacity **250 tonnes, optional 300 / 400 / 500 tonnes**

Main Motor Power **110 kW, optional 130 / 145 kW**

Number of Working Heads **2 ram heads – one CNC for finish turning, one manual for rough turning**

Motor and Speeds **AC/DC main motor with VDF unit – variable working speeds**

Table Bearings **Hydrostatic bearings for very high-load operation**

Lubrication **Automatic forced guideway lubrication**

Feed Drive **Feed servodrive and ball screws for precise feeds**

Spindle Encoder **Precision rotary encoder for threading and CSS functions**

CNC Control **Siemens SINUMERIK 828D / 840D CNC with a colour TFT monitor**

Optional Control **FANUC CNC**

Standard Equipment **Chuck jaws, tool holder, leveling wedges and screws, hand tools, oil can**



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Optional Equipment **FANUC CNC, electric turret head, linear scales, ball screws, paper filter**

Applications **Turbine industry, tank industry, Oil & Gas, engineering, forges and foundries**