



## KARTA PRODUKTOWA

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### DTL-35CNC CNC Vertical Turning Lathe 3500 mm





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Double-Column CNC Lathe

### DTL-35CNC CNC Vertical Turning Lathe

Double-column CNC vertical turning lathe for heavy machining of workpieces with turning diameters up to 3500 mm



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**DTL-35CNC** is a heavy-duty vertical turning lathe of the **double-column CNC** type, designed for precision machining of 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-35CNC model offers a turning diameter of up to **3500 mm** and a table diameter of **2800 mm** with an option of **3000 / 3150 mm**.

3500

Max. Turning Diameter

3500 mm

2800

Table Diameter

2800 mm, opcjonalnie 3000 / 3150 mm

12T

Table Load Capacity

12 t, optional 20 / 30 t

55

Main Motor Power

55 kW

**Heavy-duty CNC machine for large industrial components.**

The DTL-35CNC 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



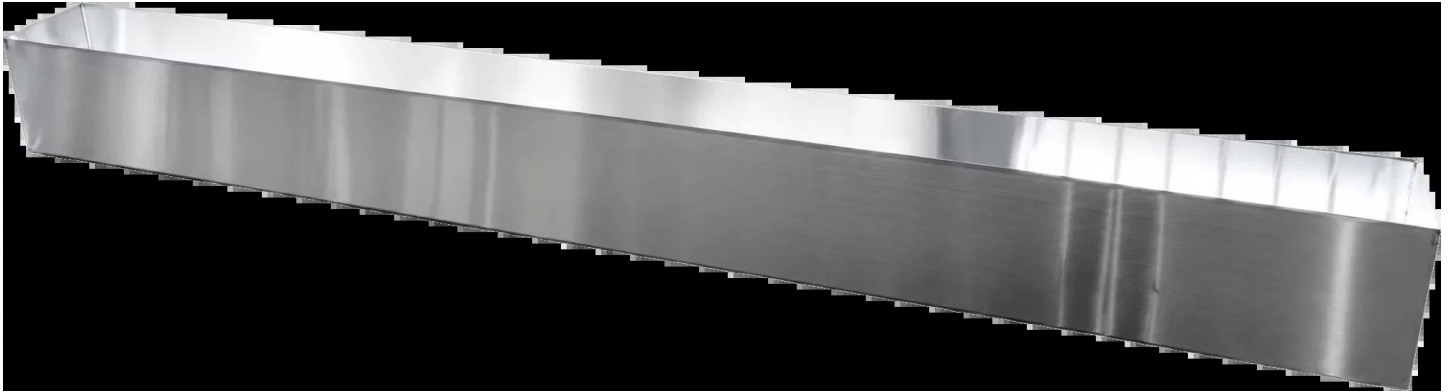
## KARTA PRODUKTOWA



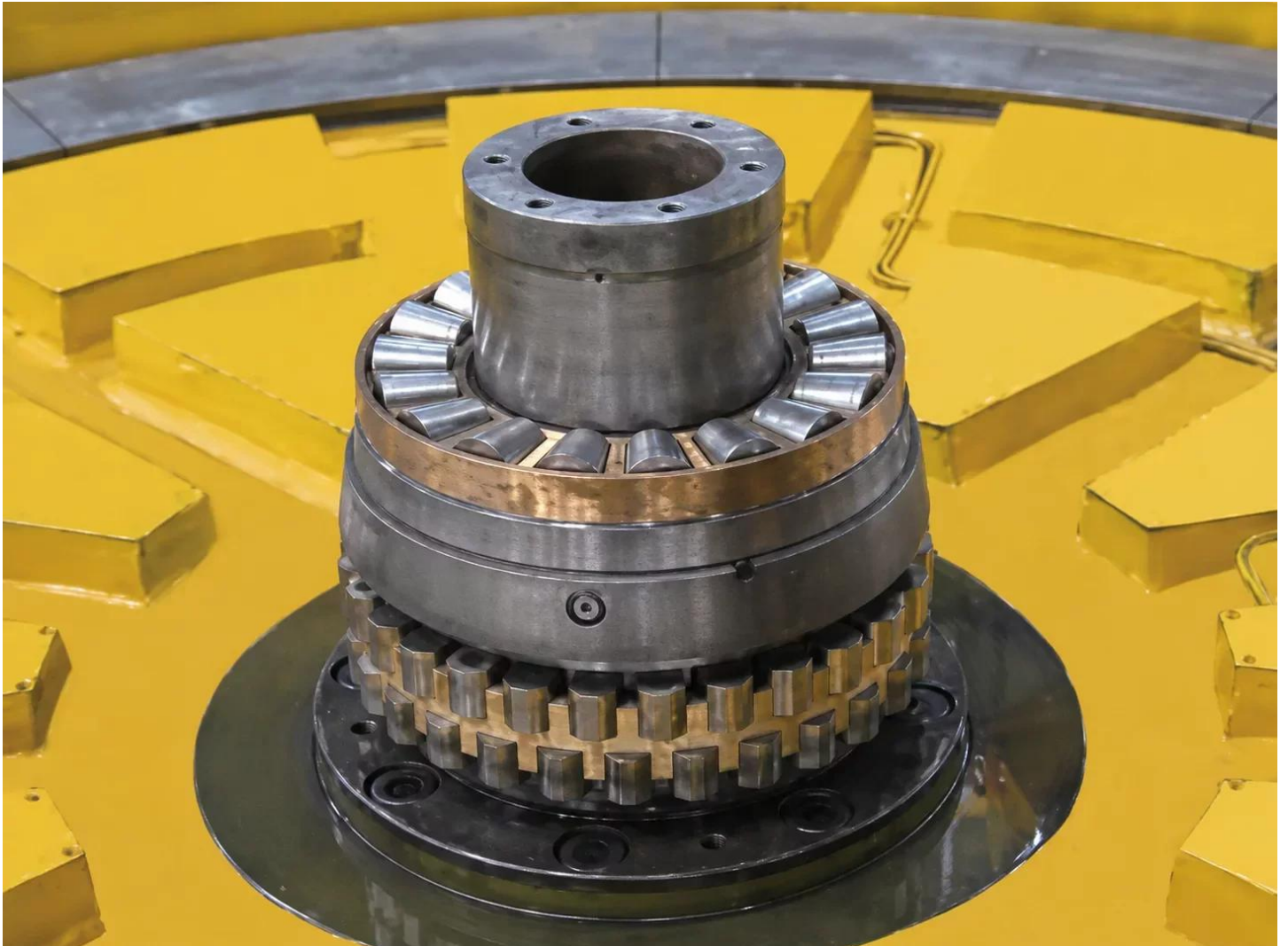
CNC Operator Panel

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Beam / Guideways

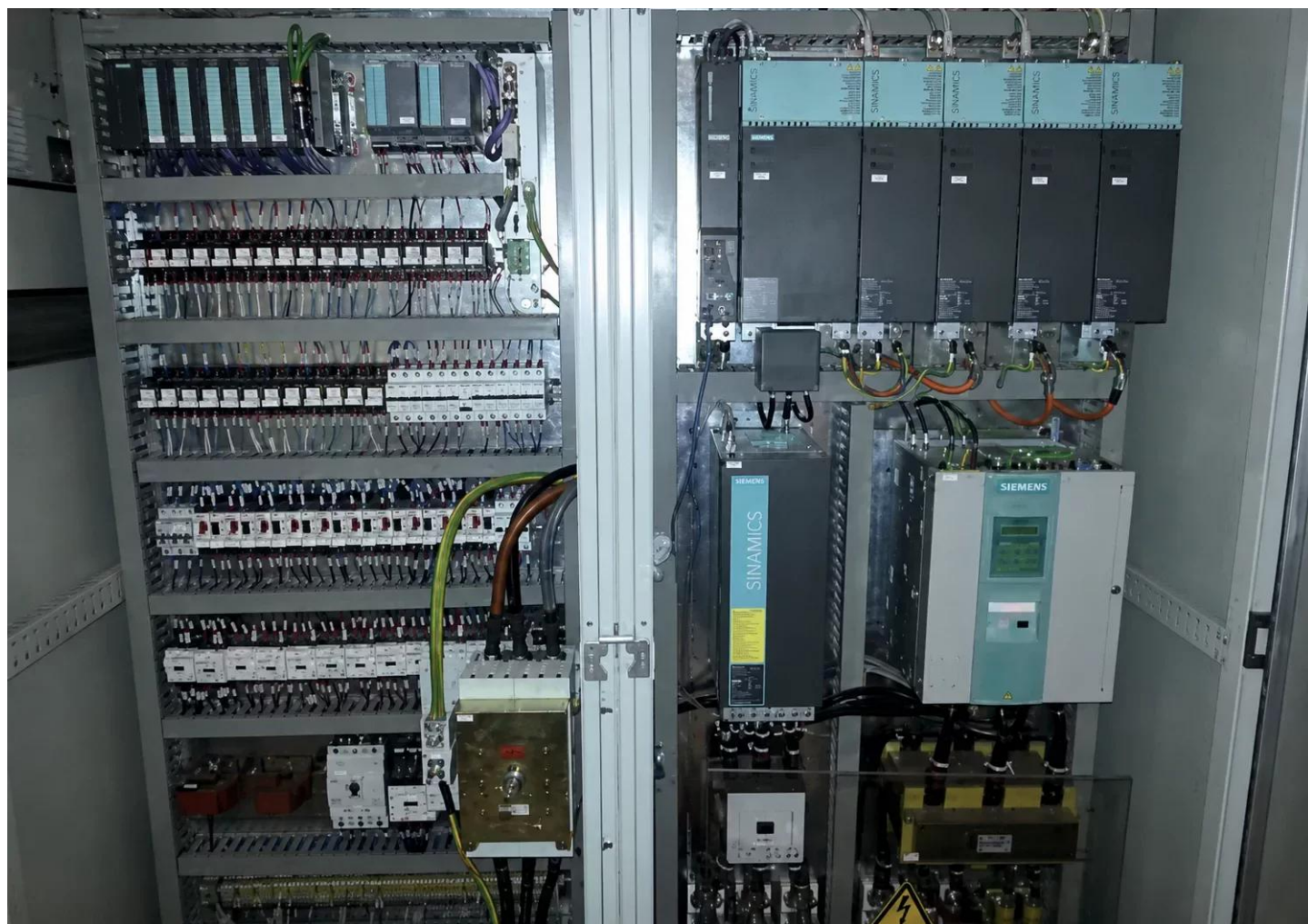


Spindle and Base



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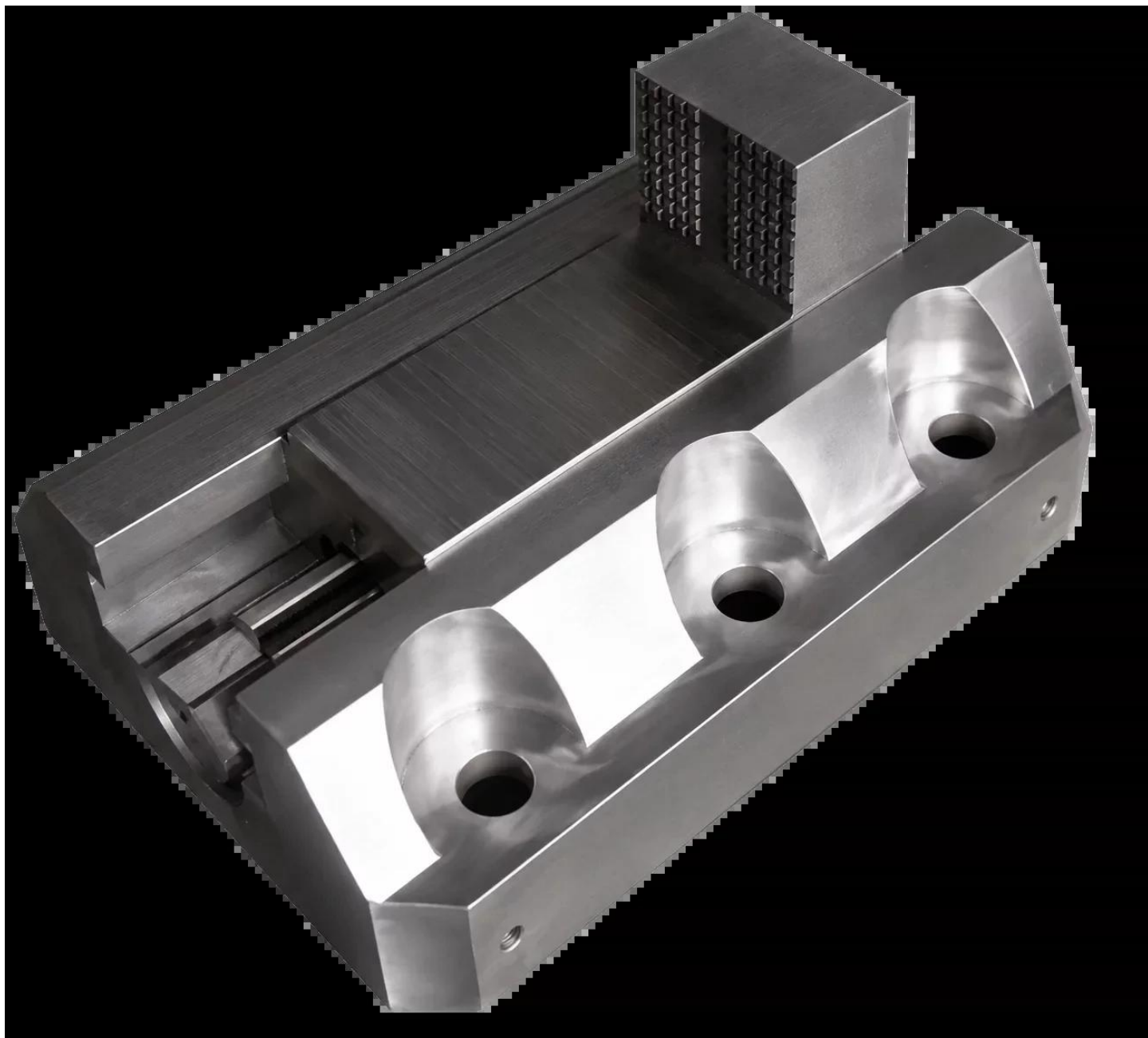
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Electrical Cabinet  
Standard Equipment

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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





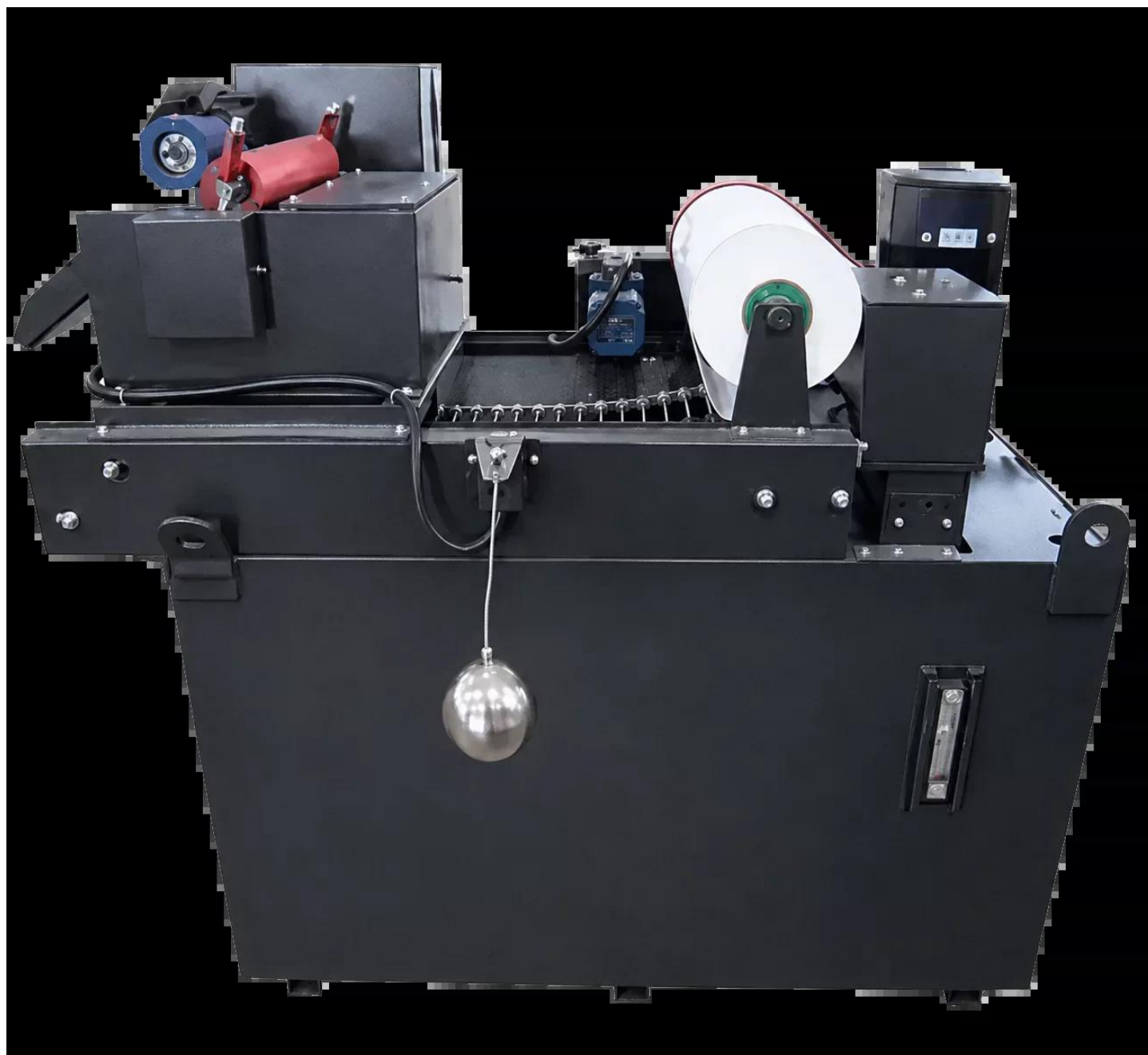
Linear Scales



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-35CNC

**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 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-35CNC lathe suitable?

The DTL-35CNC is designed for machining large, heavy and oversized components, especially where high system rigidity, CNC repeatability, a stable working table and safe workpiece clamping 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-35CNC Specifications

### Technical Specifications for the DTL-35CNC Model

Model **DTL-35CNC**

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

Version **Double-column, CNC**

Maximum Turning Diameter **3500 mm**

Table Diameter / Size **2800 mm, opcjonalnie 3000 / 3150 mm**

Maximum Workpiece Height **1600 mm, opcjonalnie 2000 / 2500 mm**

Table Load Capacity **12 ton, opcjonalnie 20 / 30 ton**

Main Motor Power **55 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 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**

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





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