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DTL-40 Double-Column Vertical Turning Lathe – Manual / DRO 4000 mm





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Double-Column Lathe



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DTL-40 Double-Column Vertical Turning Lathe

Double-column vertical turning lathe for heavy machining of workpieces with turning diameters up to 4000 mm

DTL-40 is a heavy-duty vertical turning lathe of the **double-column** type, designed for machining large and massive components in industrial, power generation, mining and manufacturing facilities.

The design is based on a rigid, symmetrical arrangement, a robust working table, two working heads and guideways designed for high-load operation. The DTL-40 model offers a turning diameter of up to **4000 mm** and a table diameter of **3150 mm** with an option of **3600 mm**.

4000

Max. Turning Diameter

4000 mm

3150

Table Diameter

3150 mm, opcjonalnie 3600 mm

12T

Table Load Capacity

12 t, optional 25 t

55

Main Motor Power

55 kW

Heavy-duty machine for large industrial components.

The DTL-40 combines a robust double-column construction, two working heads, hydrostatic table bearings, 40Cr steel gearboxes and PLC control for safe and repeatable operation.

Photo Gallery

Images and Equipment Components

Technical Machine Images



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Main Machine View

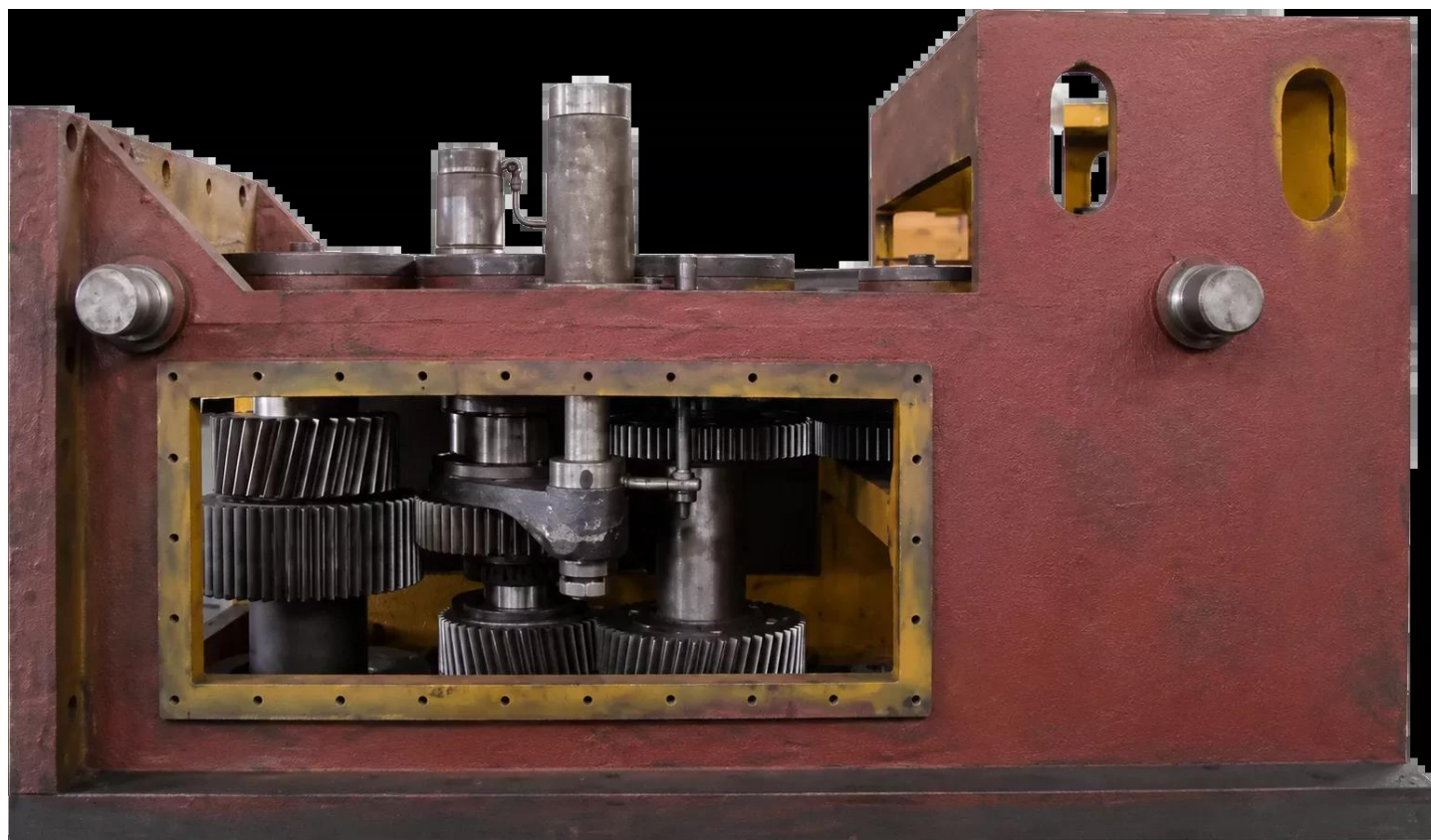


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Operator Panel

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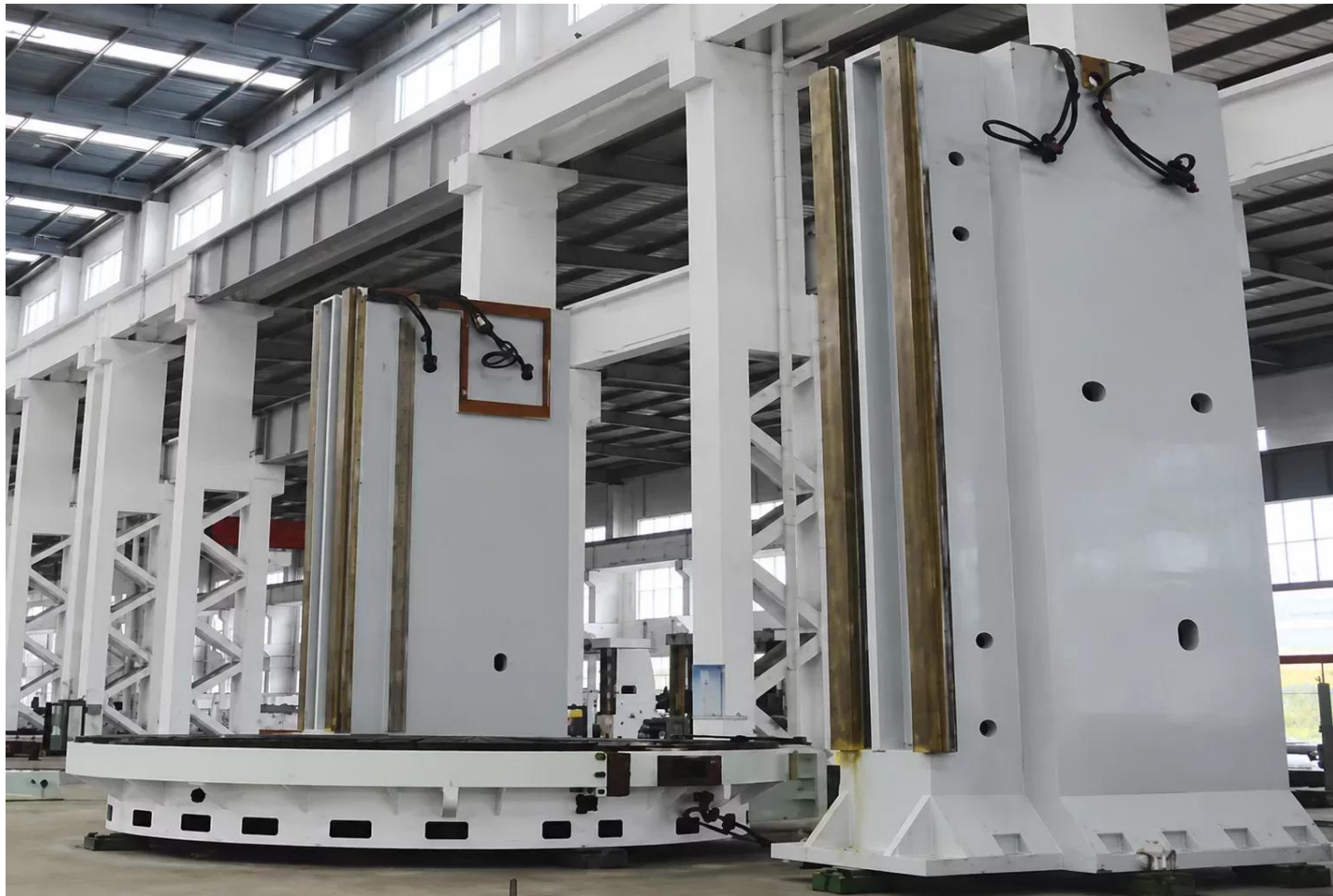


Gearbox



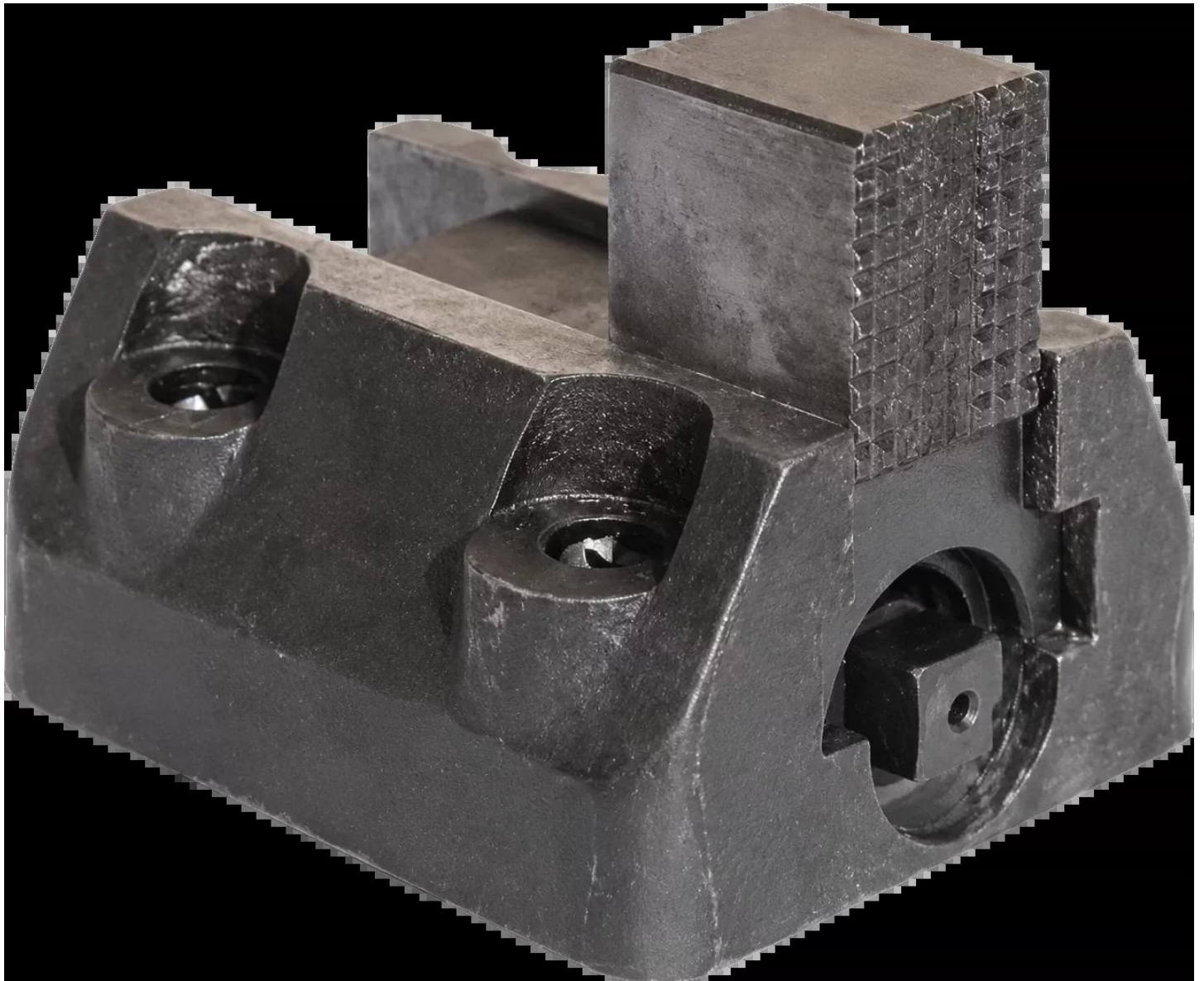
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Working Table



Symmetrical Construction
Standard Equipment

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Chuck Jaws

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Tool Holder

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Leveling Wedges and Screws

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Hand Tools

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Oil Can
Optional Equipment



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DRO

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Oil Cooler



Chip Conveyor

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Milling Head

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Grinding Head
Industrial Applications



Heavy Industry

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Mining



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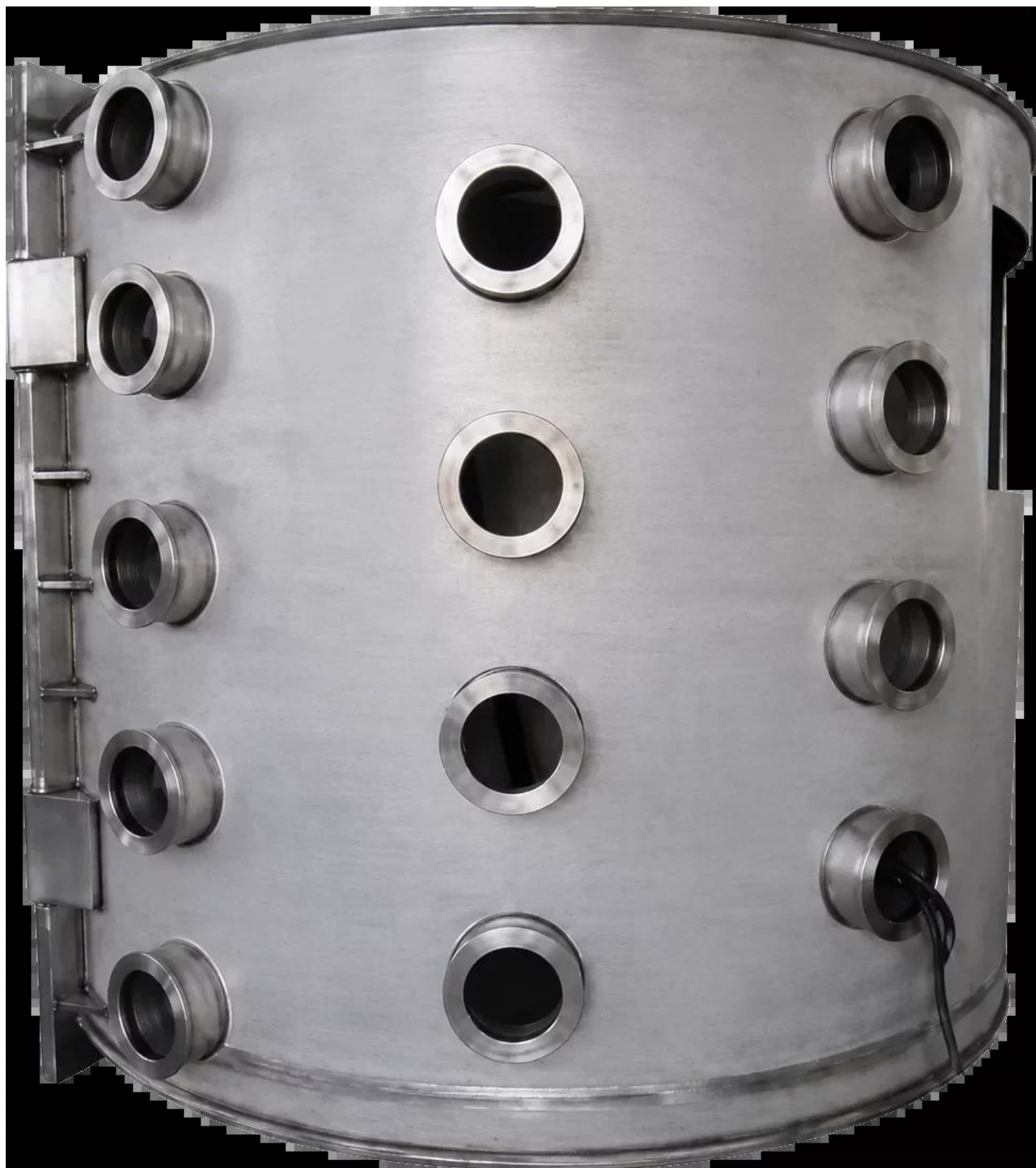


Power Generation

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Structural Fabrication



Machining Large Components
Technical Features



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Key Features of the DTL-40

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

40Cr alloy-steel gears and forged shafts in the gearbox.

Two working heads – one for finish turning and the other for rough machining.

Hydrostatic bearings enabling machining of heavy workpieces.

4-jaw chuck with auxiliary T-slots for secure workpiece clamping.

Ram head with a swivel range from -30° to +30° for machining tapered surfaces.

Wear-resistant guideways with a ZnAl10-5 alloy lining for smooth movement.

PLC control ensuring safe and reliable machine operation.

Applications

Where is the DTL-40 lathe suitable?

The DTL-40 is designed for machining large, heavy and oversized components, especially where high system rigidity, a stable working table and safe workpiece clamping are required.

Heavy industry – machining large housings, rings, discs and machine components.

Power generation – turbine elements, flanges, plant components and generator subassemblies.

Mining – large machine parts, housings, wheels, rollers and drive components.

Structural fabrication – welded components, rings, plates and workpieces requiring vertical turning.

DTL-40 Specifications



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Technical Specifications for the DTL-40 Model

Model **DTL-40**

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

Version **Double-column, Manual / DRO**

Maximum Turning Diameter **4000 mm**

Table Diameter / Size **3150 mm, opcjonalnie 3600 mm**

Maximum Workpiece Height **2000 mm, opcjonalnie 2500 / 3000 mm**

Table Load Capacity **12 tonnes, optional 25 tonnes**

Main Motor Power **55 kW**

Number of Working Heads **2 heads – for rough and finish machining**

Head Swivel Range **-30° to +30°**

Workholding Chuck **4-jaw chuck with auxiliary T-slots**

Gearbox **40Cr alloy-steel gears and forged shafts**

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

Guideways **Wear-resistant ZnAl10-5 alloy lining**

Control **PLC; Manual / DRO version available**

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

Optional Equipment **DRO, oil cooler, chip conveyor, milling head, grinding head**

Applications **Heavy industry, mining, power generation, structural fabrication, machining large components**