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DTL-12 Vertical Turning Lathe 1250 mm





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Vertical Turning Lathe

DTL-12 Vertical Turning Lathe

Single-Column Manual / DRO Vertical Turning Lathe for Machining Workpieces up to 1250 mm in Turning Diameter

DTL-12 is a single-column vertical turning lathe designed for stable machining of large industrial workpieces. The machine operates in **Single Column, Manual / DRO** configuration and is suitable for machining rings, flanges, pump components, bearing parts and general engineering components.

The construction is based on a rigid body, hardened and precision-ground guideways, a gearbox with 40Cr alloy-steel gears and a table with a 4-jaw chuck and additional T-slots for workpiece clamping.

1250

Max. Turning Diameter

1250 mm

1000

Table Diameter

1000 mm

4T

Table Load Capacity

4 t

22

Main Motor Power

22 kW

Single-Column DTL-12 Lathe for Stable Industrial Machining.

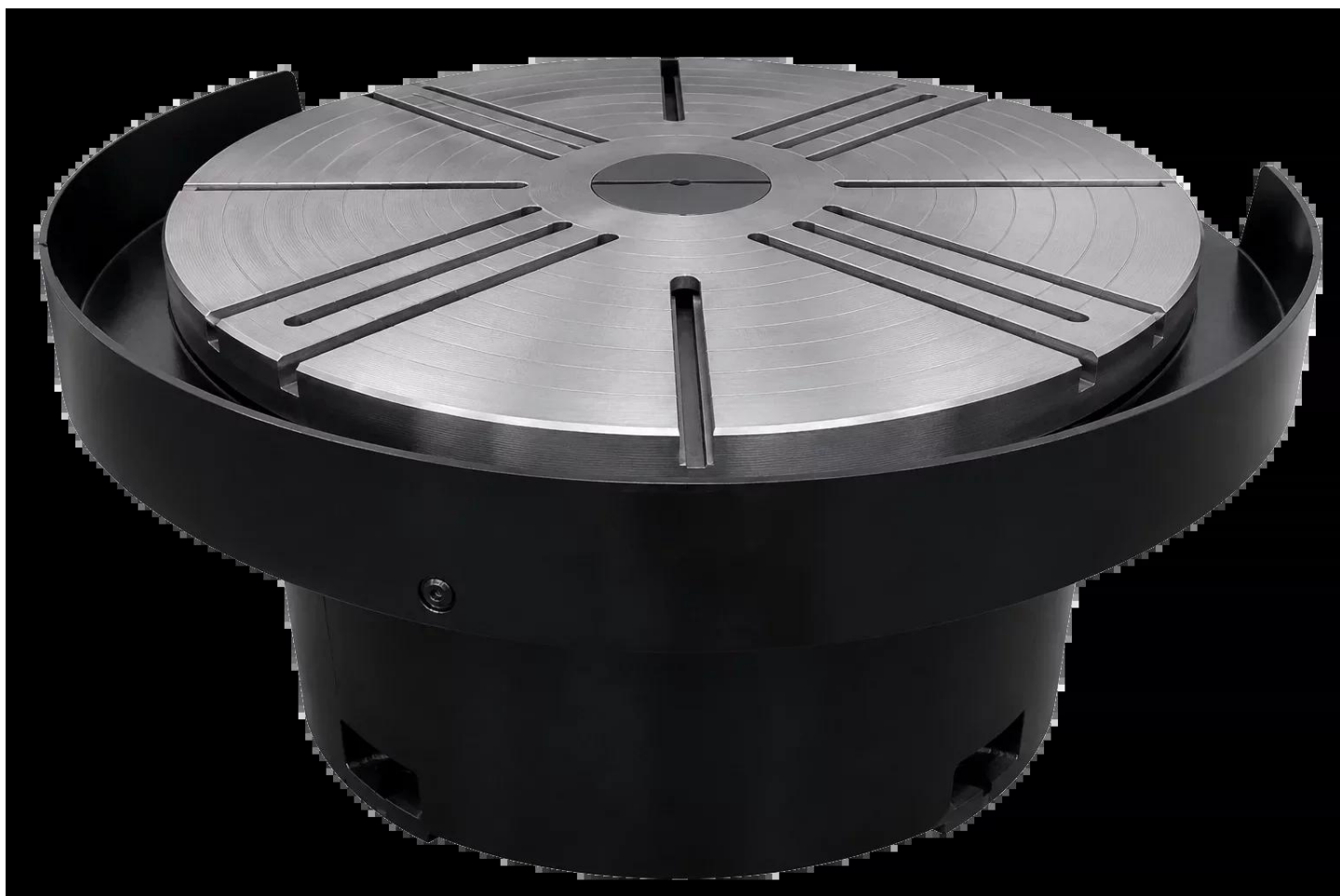
The DTL-12 model combines a rigid construction, hydrostatic bearings, hardened guideways, a gearbox with 40Cr alloy-steel gears, automatic lubrication and a PLC for safe and reliable operation.

Photo Gallery

Images and Equipment Components

Technical Machine Images

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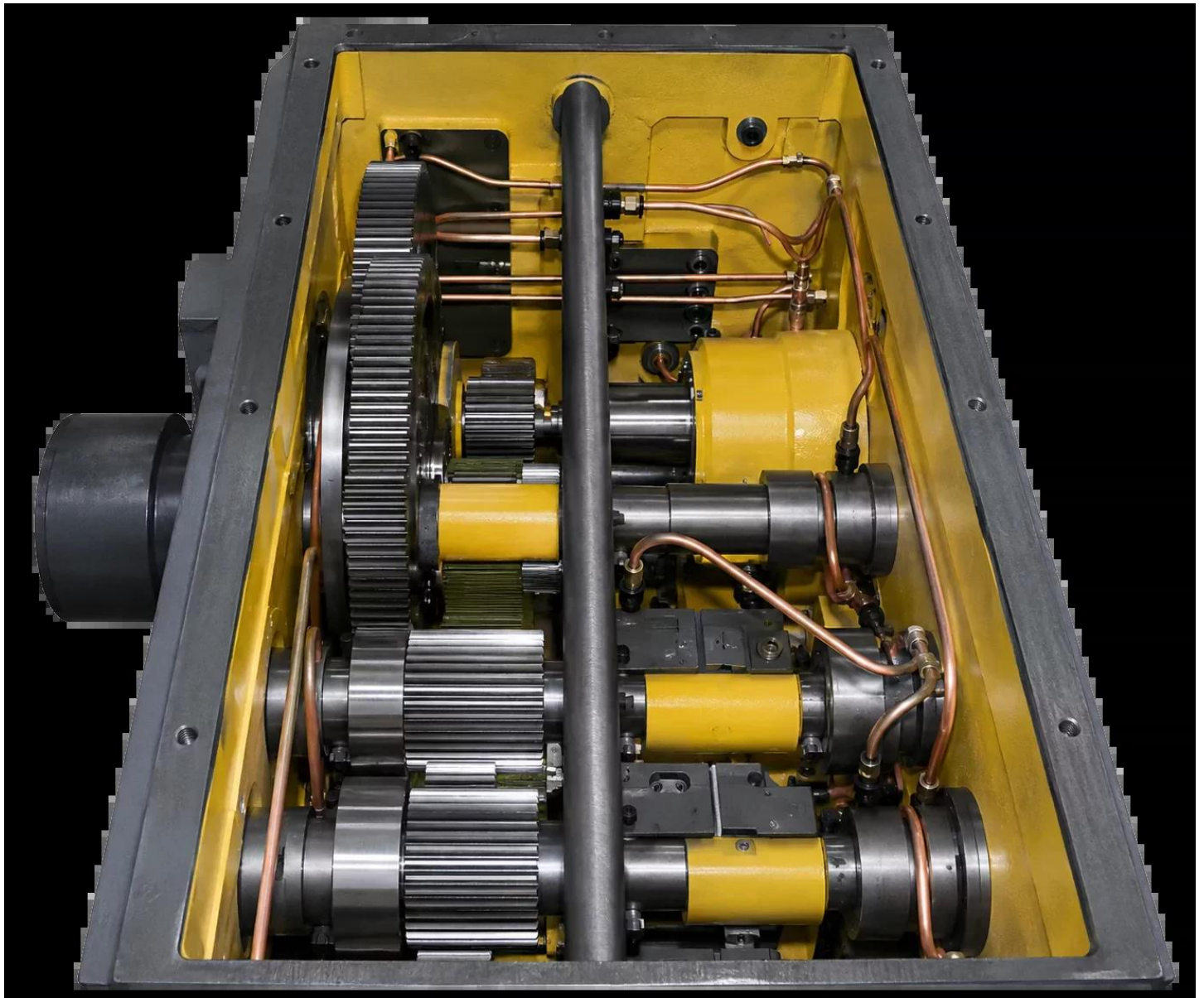
Table

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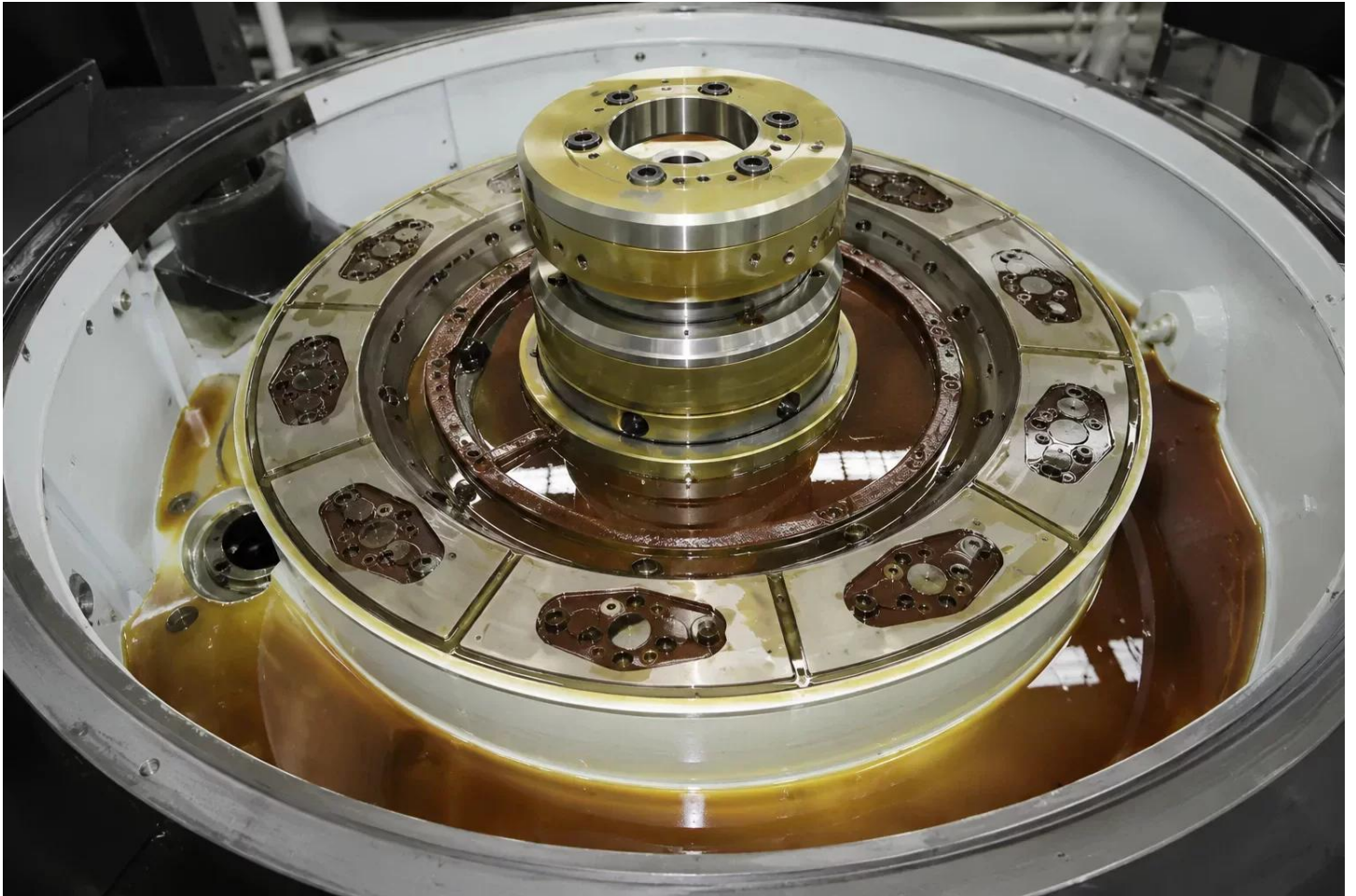
Operator Panel / DRO

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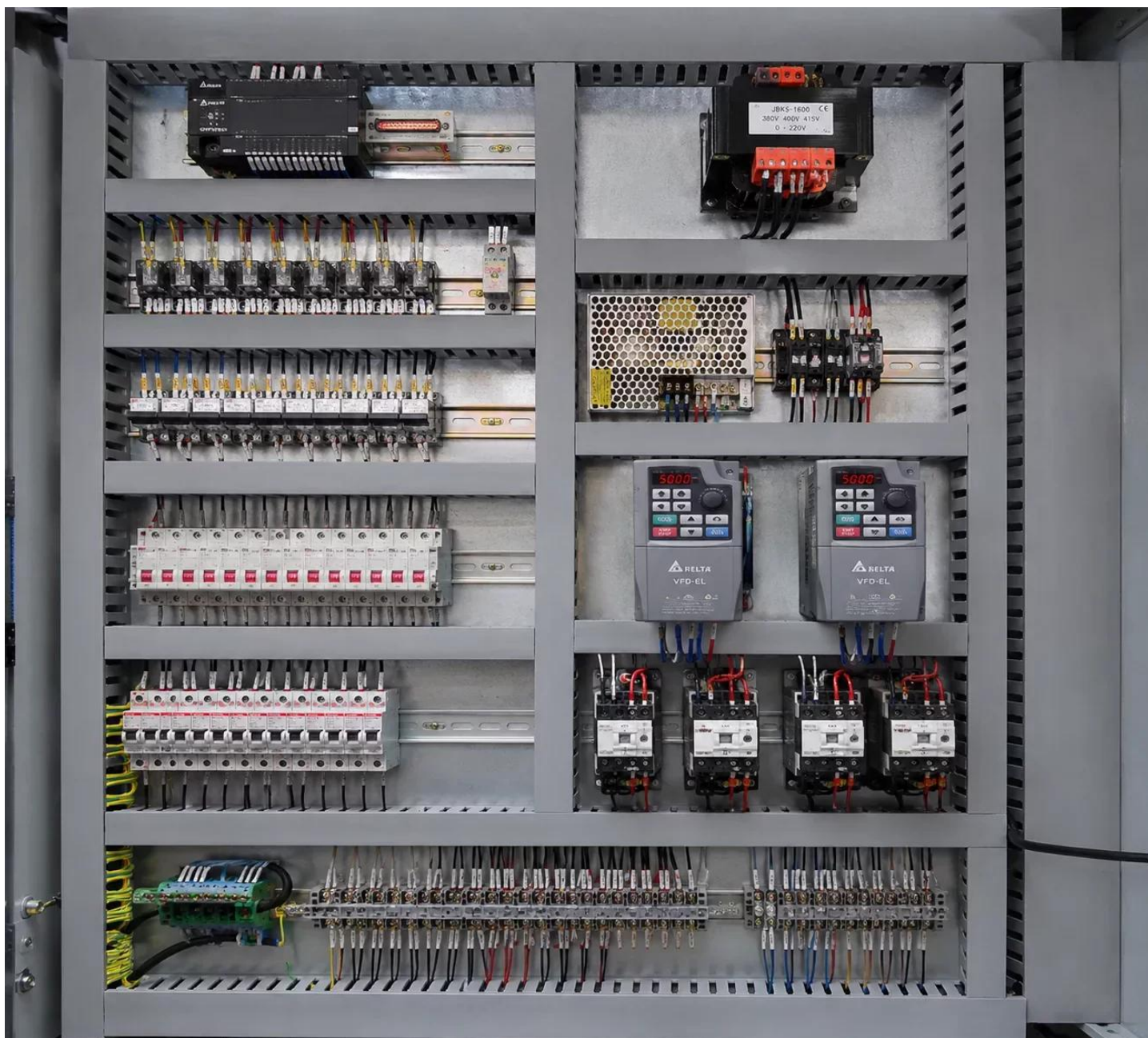
Crossbeam / Guideways

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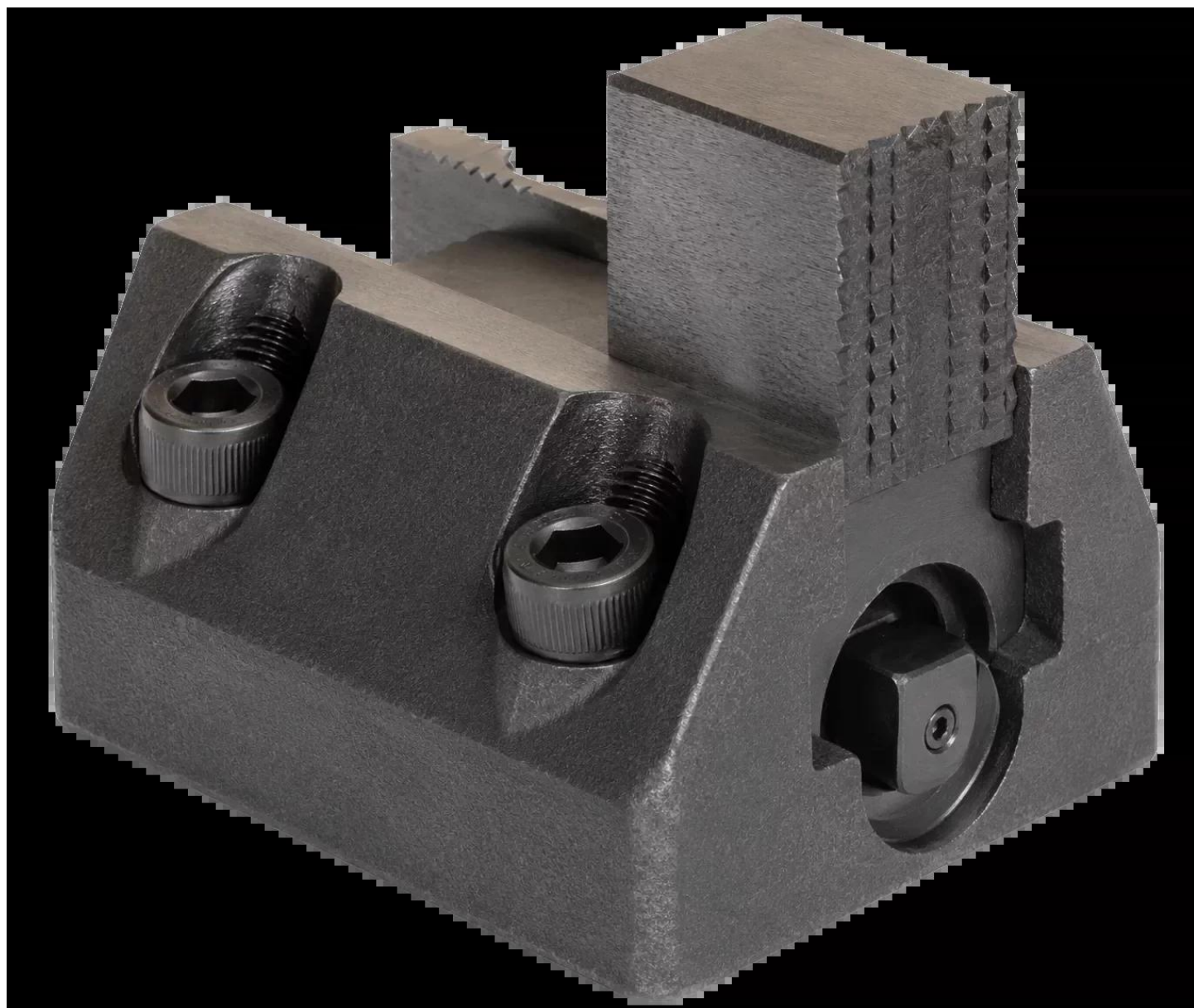


Spindle and Base

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PLC Electrical Cabinet
Standard Equipment



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



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Optional Equipment



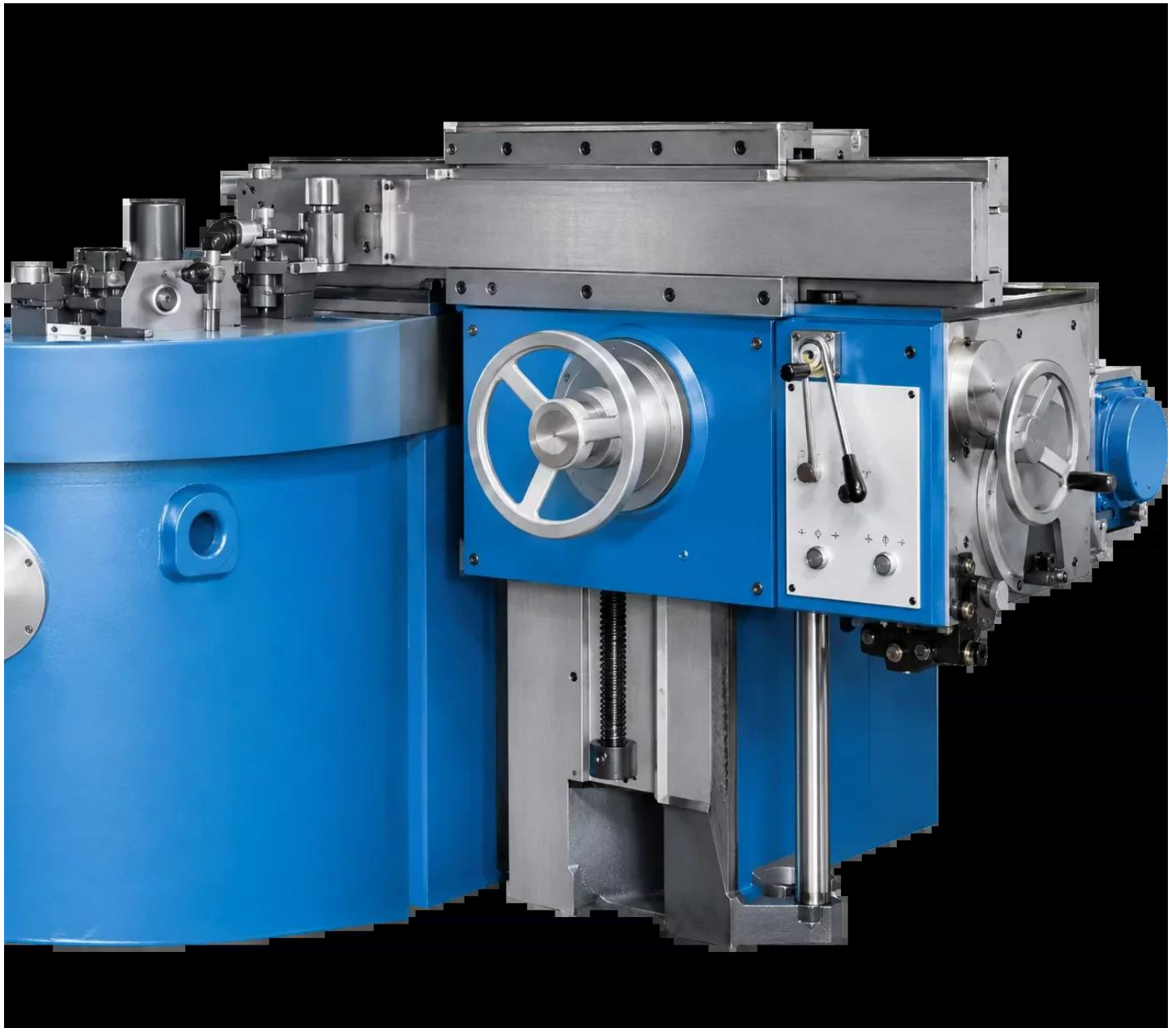
DRO

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5-Position Turret Head

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Side Head

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NSK Bearings

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Siemens Motor
Industrial Applications



Bearing Industry

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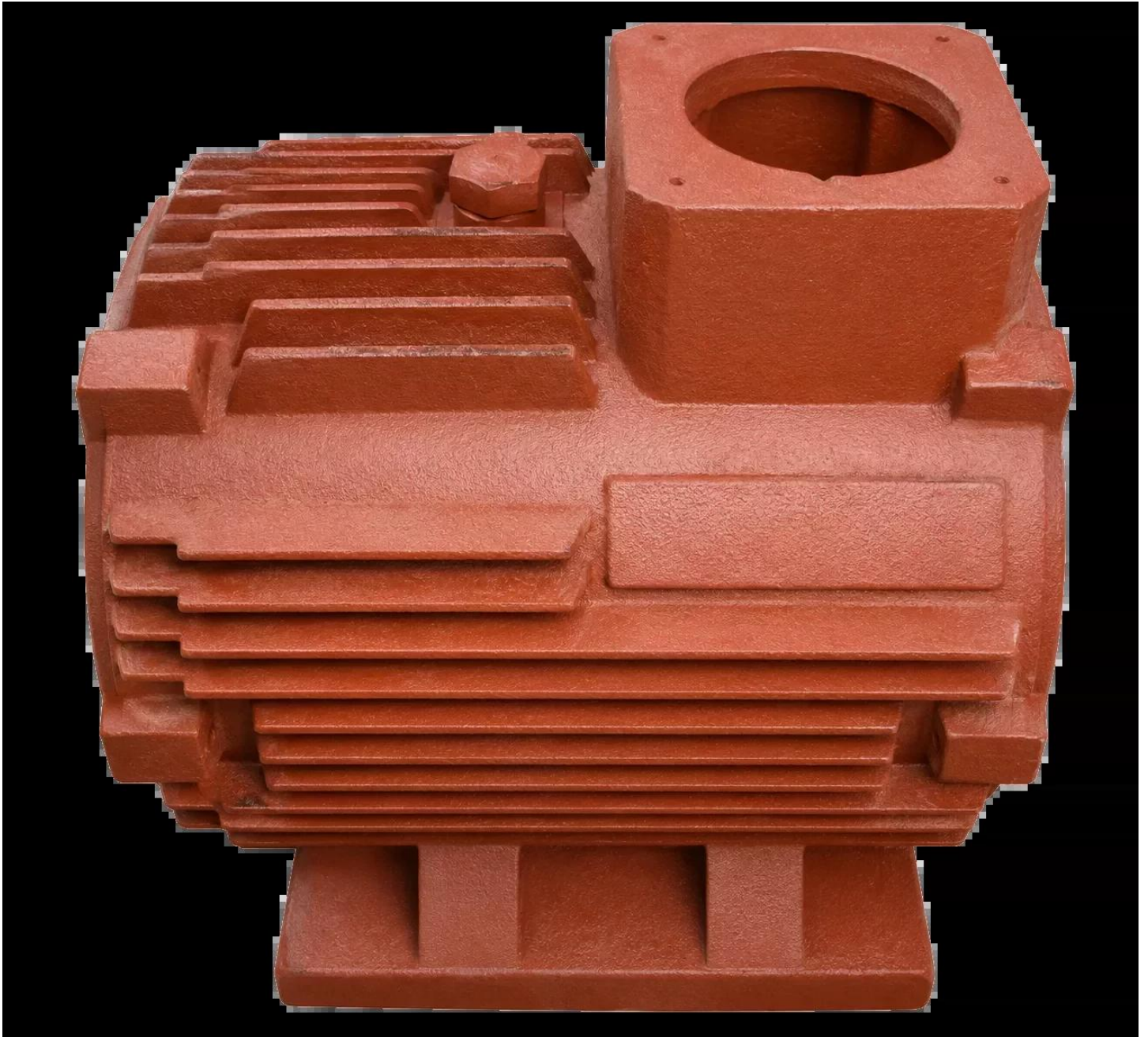


Pump Industry



Flange Industry

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Engine Industry



General Engineering
Technical Features

Key Features of the DTL-12

High-quality LF / VSR castings and a rigid, stable single-column construction.

Hardened and precision-ground guideways provide longer machine service life.

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

Hydrostatic bearings providing high working-table load capacity.



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

Tool head arm movable through a range from -300° to +30° on the carriage.

Industrial ZnAl10-5 guideway lining for smooth movement and wear resistance.

PLC ensuring safe, stable and reliable machine operation.

Applications

Where Is the DTL-12 Lathe Suitable?

The DTL-12 is designed for machining large round workpieces, rings, flanges, pump components, bearing components, engine housings and general engineering parts. It is suitable wherever a stable vertical turning lathe is needed for heavy-duty machining.

Bearing industry – machining rings, races and large rotating components.

Pump industry – machining housings, covers and installation components.

Flange industry – turning flanges and pipe components.

General engineering – machining large castings, housings and technical workpieces.

DTL-12 Specifications

Technical Specifications of the DTL-12 Model

Model **DTL-12**

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

Version **Single Column, Manual / DRO**

Maximum Turning Diameter **1250 mm**

Table Diameter **1000 mm**

Maximum Machined Workpiece Height **1000 mm, optional 1200 mm**

Table Load Capacity **4 t**

Spindle Speed Range **6.3–200 rpm**

Main Motor Power **22 kW**

Machine Weight **8 t, optional 8.5 t**



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

Optional Equipment **DRO, 5-position turret head, side head, NSK bearings, Siemens motor**

Applications **Bearing, pump, flange and engine industries, as well as general engineering**