KARTA PRODUKTOWA

DTL-20 Vertical Turning Lathe 2000 mm

KARTA PRODUKTOWA

KARTA PRODUKTOWA

Vertical Turning Lathe

DTL-20 Vertical Turning Lathe

Single-Column Manual / DRO Vertical Turning Lathe for Machining Workpieces up to 2000 mm in Turning Diameter

DTL-20 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.

2000
Max. Turning Diameter
2000 mm
1800
Table Diameter
1800 mm
8T
Table Load Capacity
8 t, opcjonalnie 12 t
30
Main Motor Power
30 kW
Single-Column DTL-20 Lathe for Stable Industrial Machining.

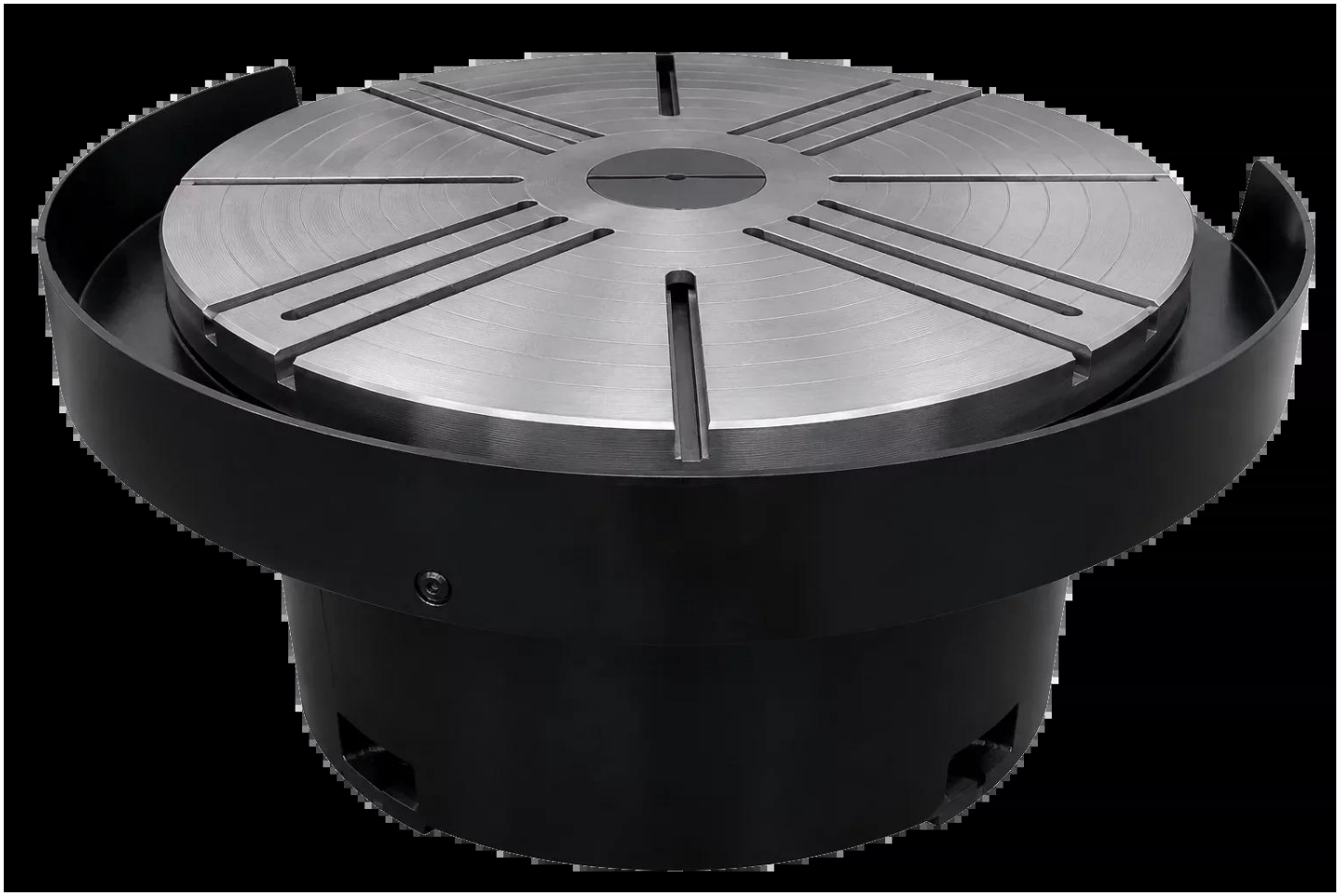
The DTL-20 model combines a rigid construction, hydrostatic bearings, hardened guideways, a gearbox with 40Cr alloy-steel gears, automatic lubrication and a PLC for safe and reliable operation.

Photo Gallery

Images and Equipment Components

Technical Machine Images

KARTA PRODUKTOWA

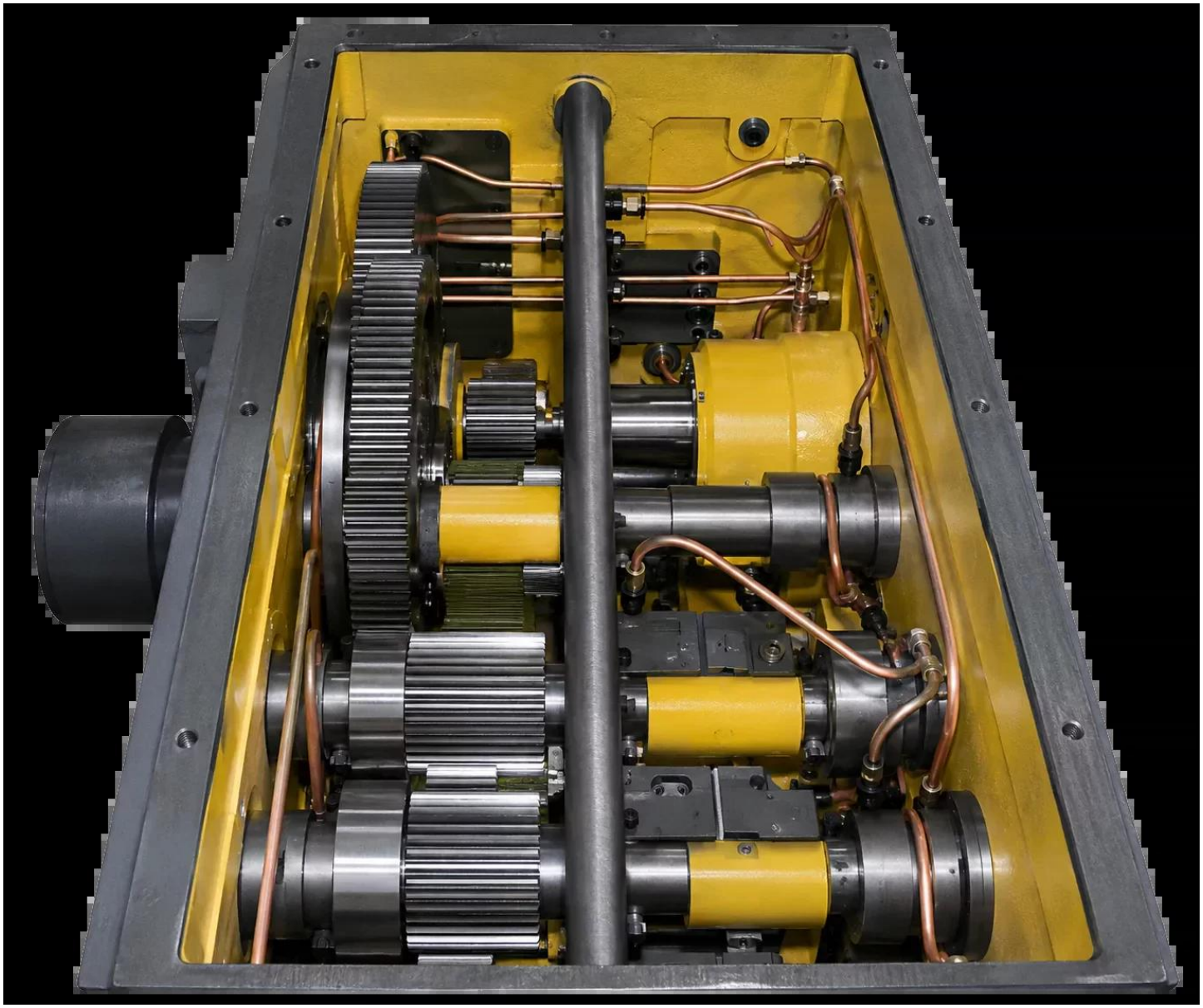


Table

KARTA PRODUKTOWA

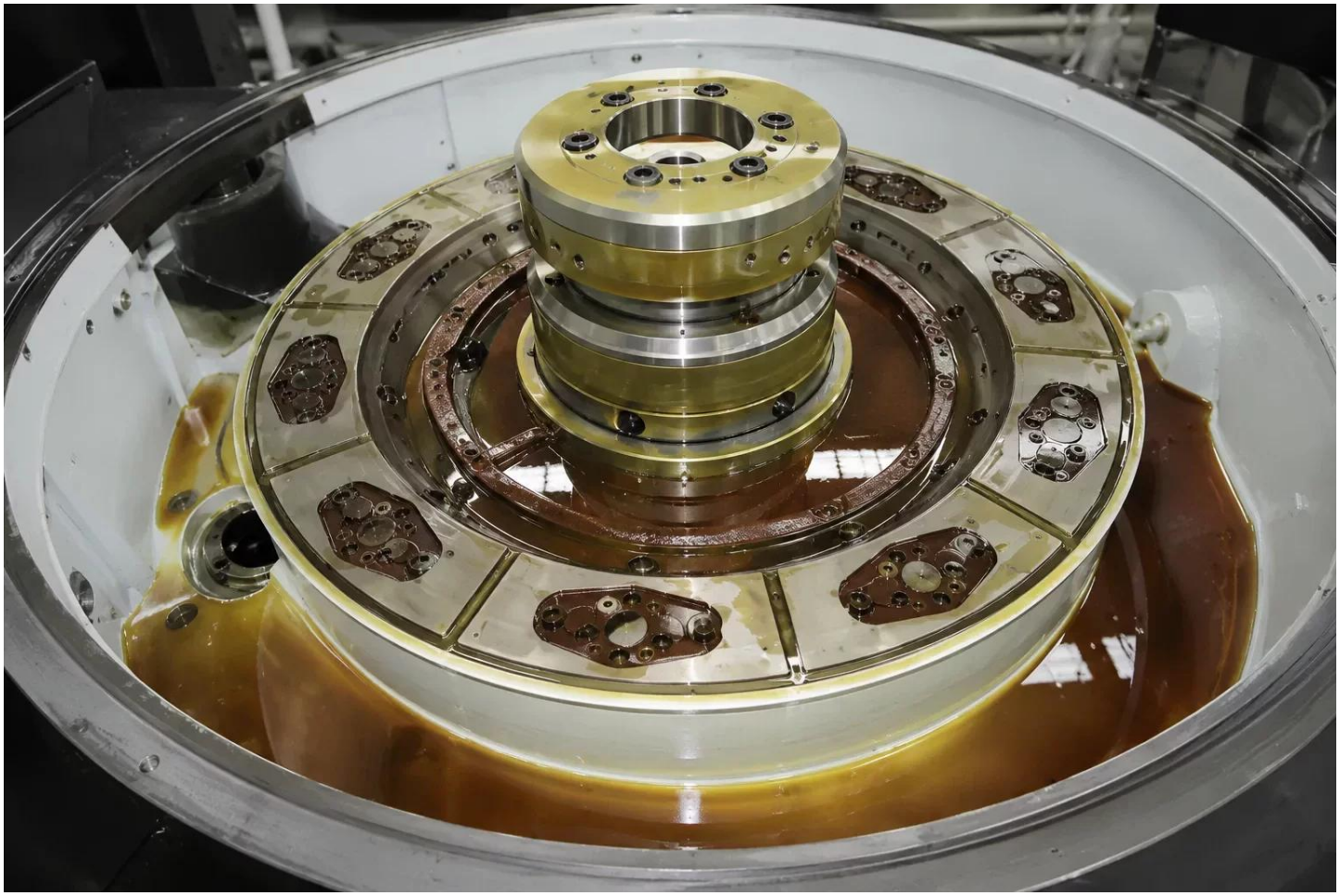
Operator Panel / DRO

KARTA PRODUKTOWA



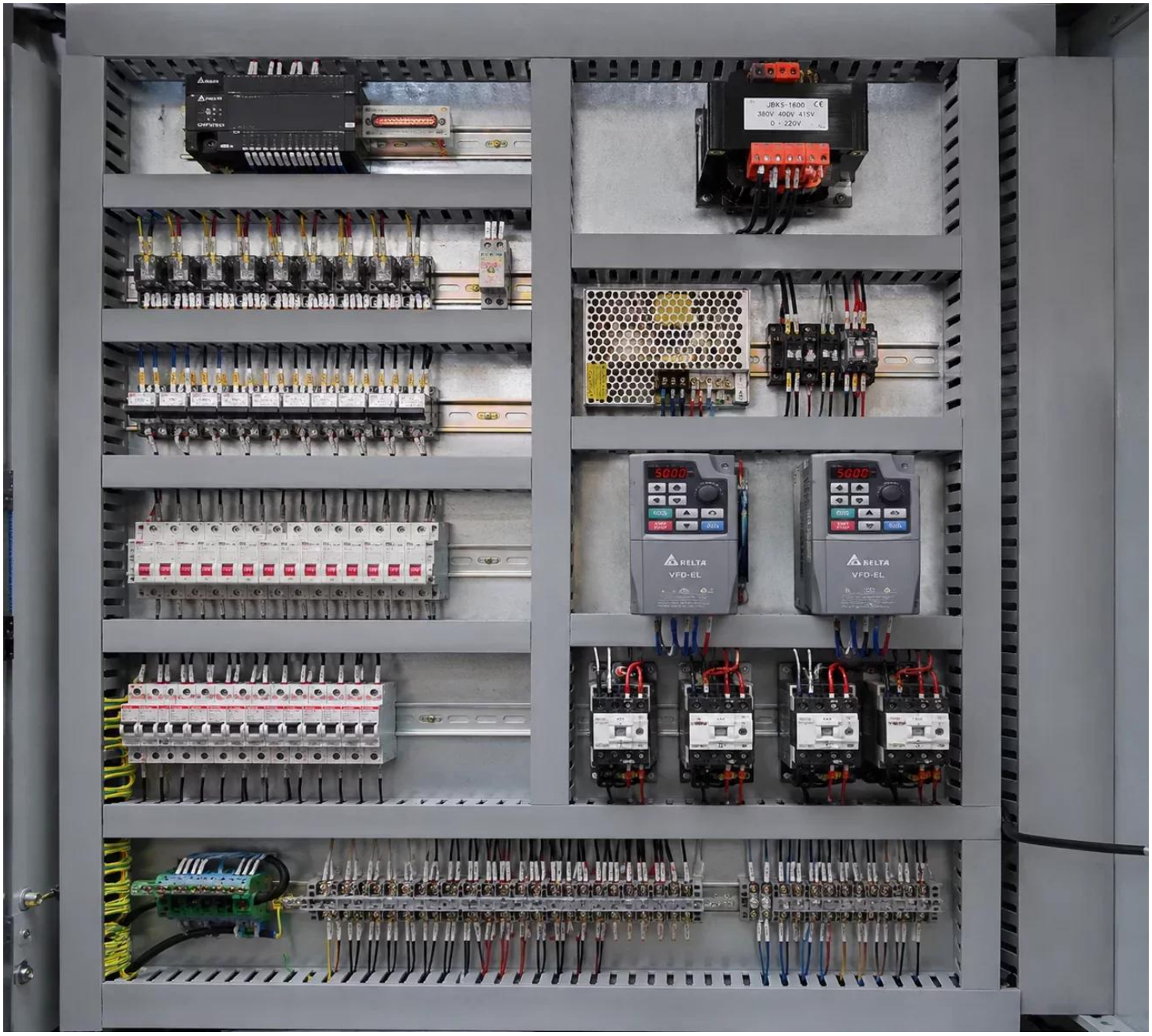
Crossbeam / Guideways

KARTA PRODUKTOWA



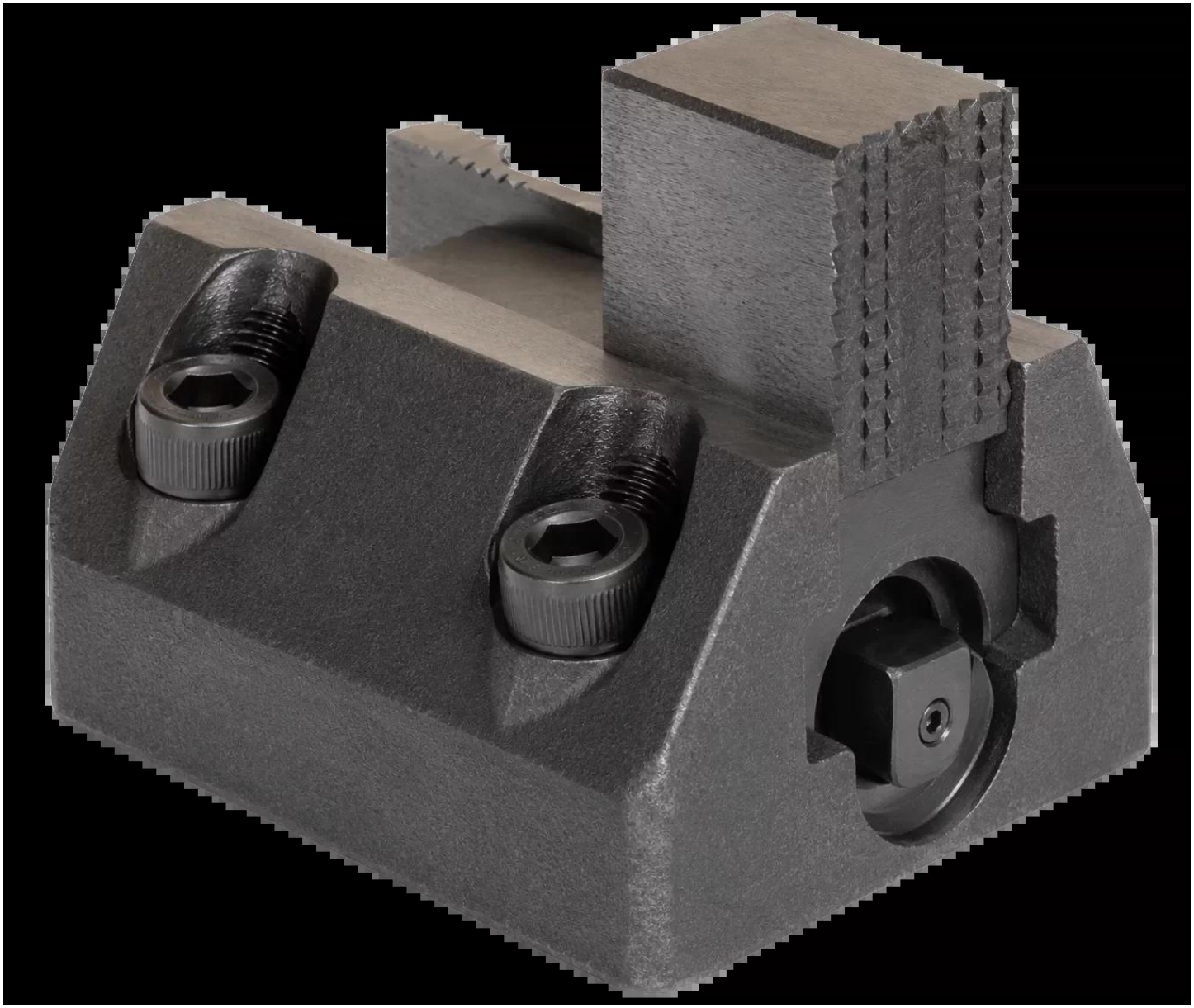
Spindle and Base

KARTA PRODUKTOWA



PLC Electrical Cabinet
Standard Equipment

KARTA PRODUKTOWA

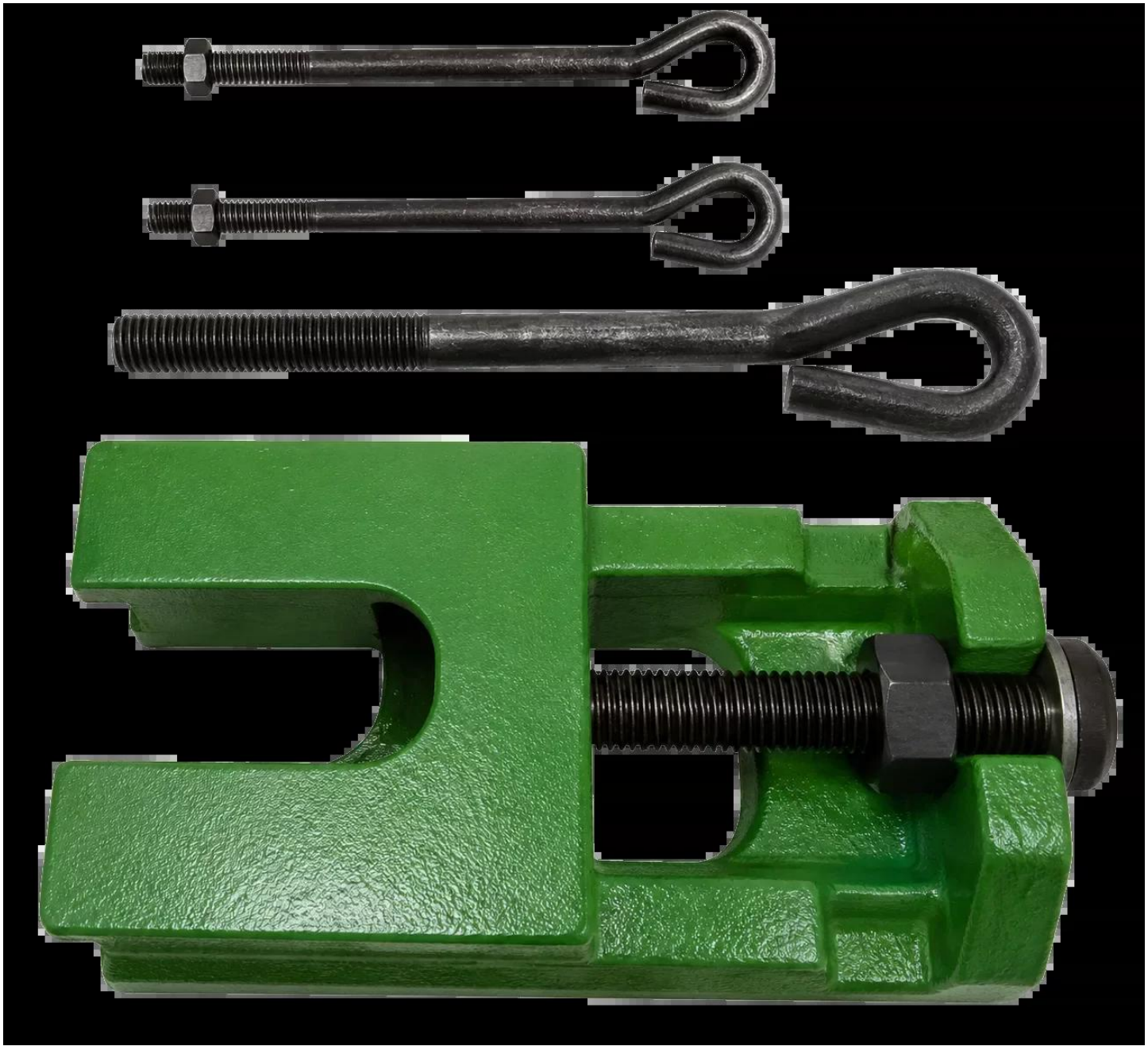


Chuck Jaws

KARTA PRODUKTOWA

Tool Holder

KARTA PRODUKTOWA



Leveling Wedges and Screws

KARTA PRODUKTOWA

Hand Tools

KARTA PRODUKTOWA

Oil Can

KARTA PRODUKTOWA

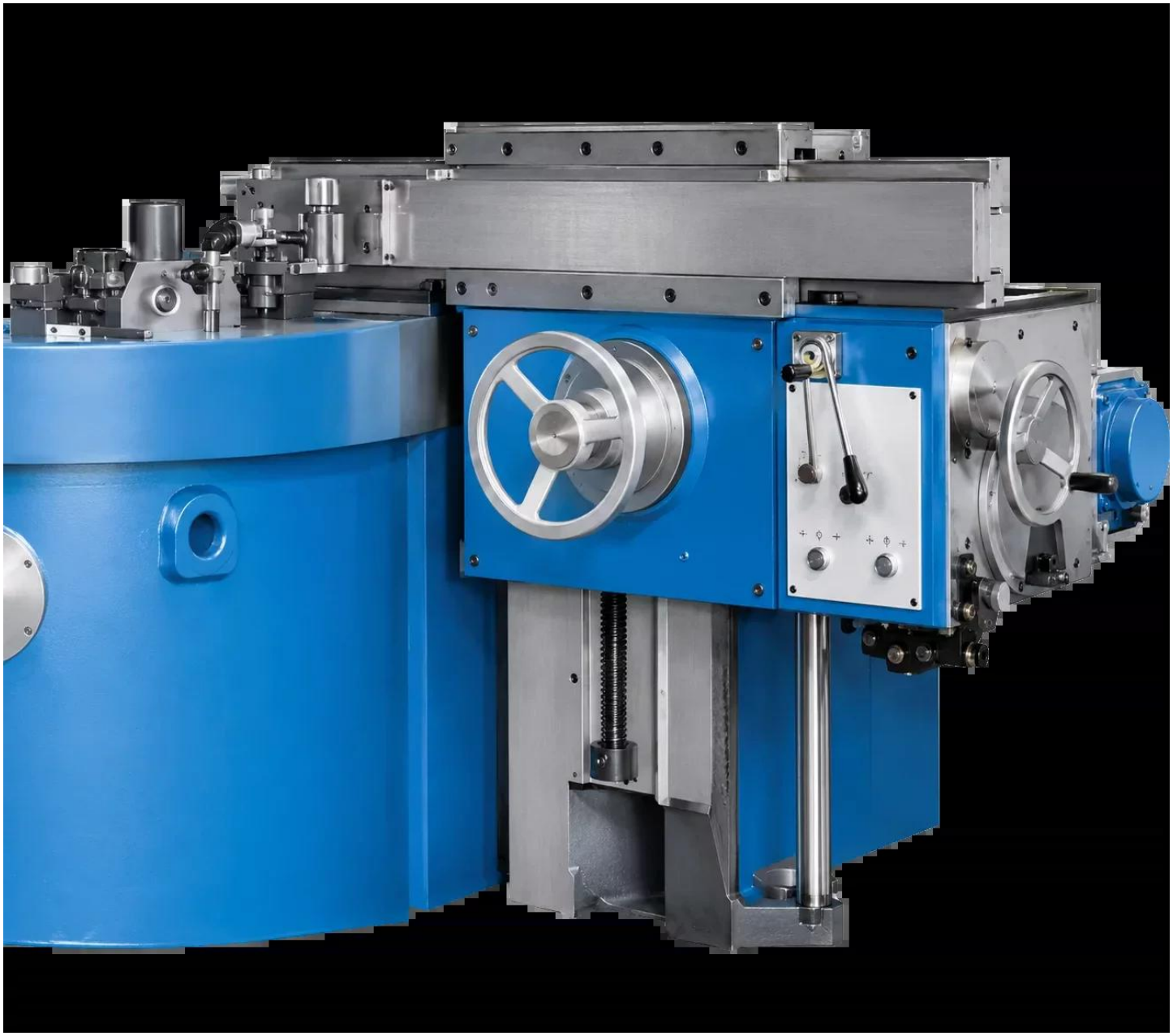
Optional Equipment

DRO

KARTA PRODUKTOWA

5-Position Turret Head

KARTA PRODUKTOWA



Side Head

KARTA PRODUKTOWA

NSK Bearings

KARTA PRODUKTOWA

Siemens Motor
Industrial Applications

KARTA PRODUKTOWA

Bearing Industry

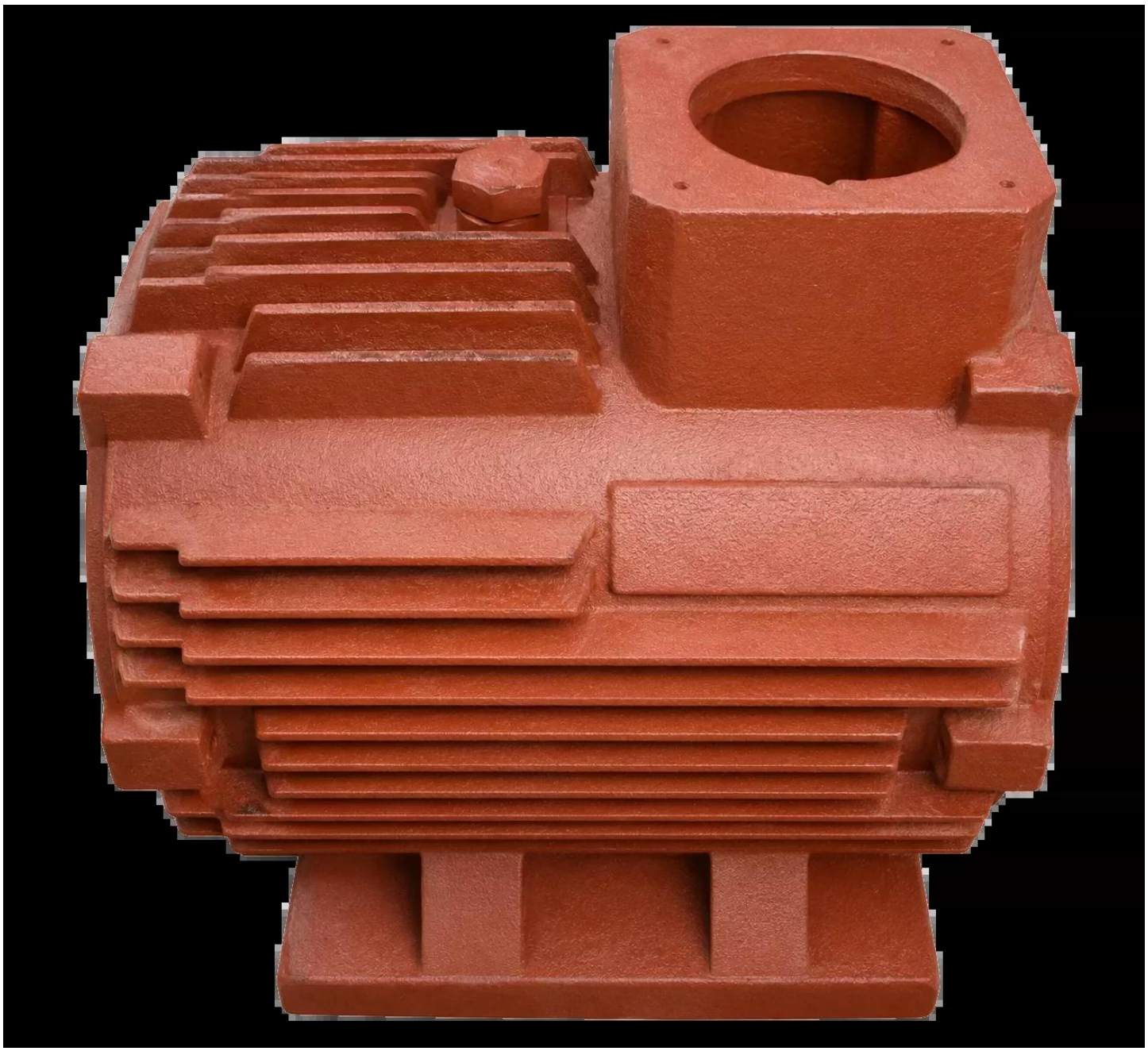
KARTA PRODUKTOWA

KARTA PRODUKTOWA

Pump Industry

Flange Industry

KARTA PRODUKTOWA



Engine Industry

KARTA PRODUKTOWA

General Engineering
Technical Features

Key Features of the DTL-20

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.

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-20 Lathe Suitable?

The DTL-20 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-20 Specifications

Technical Specifications of the DTL-20 Model

Model **DTL-20**
Machine Type **Vertical Turning Lathe — single-column vertical turning lathe**
Version **Single Column, Manual / DRO**
Maximum Turning Diameter **2000 mm**
Table Diameter **1800 mm**
Maximum Machined Workpiece Height **1200 mm, optional 1400 mm**
Table Load Capacity **8 t, opcjonalnie 12 t**
Spindle Speed Range **2.5–125 rpm**
Main Motor Power **30 kW**
Machine Weight **18 t, optional 19 t**

KARTA PRODUKTOWA

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**