KARTA PRODUKTOWA

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

KARTA PRODUKTOWA

DTL-40 Double-Column Vertical Turning Lathe — Manual / DRO

Double-Column Lathe

KARTA PRODUKTOWA

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

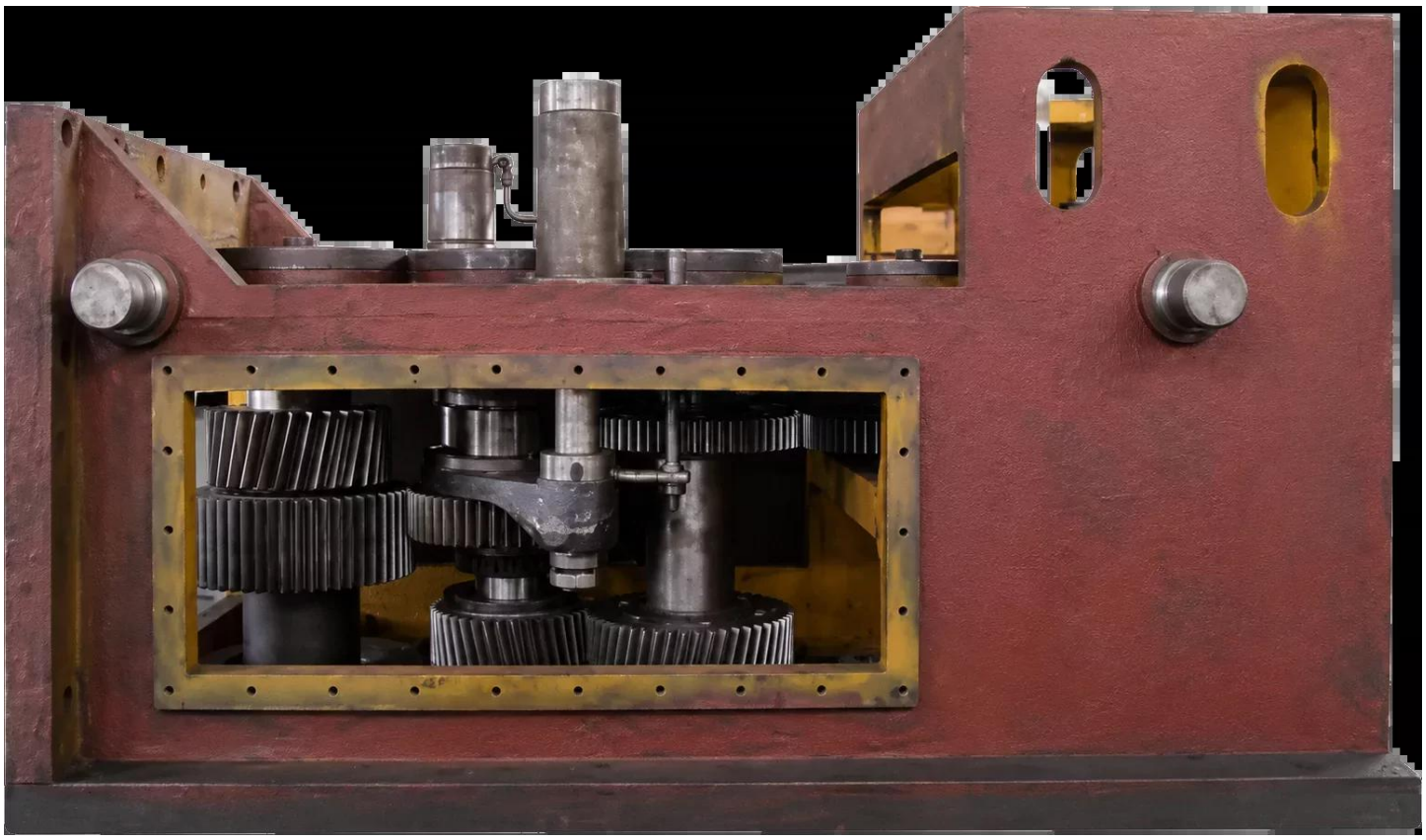
KARTA PRODUKTOWA

Main Machine View

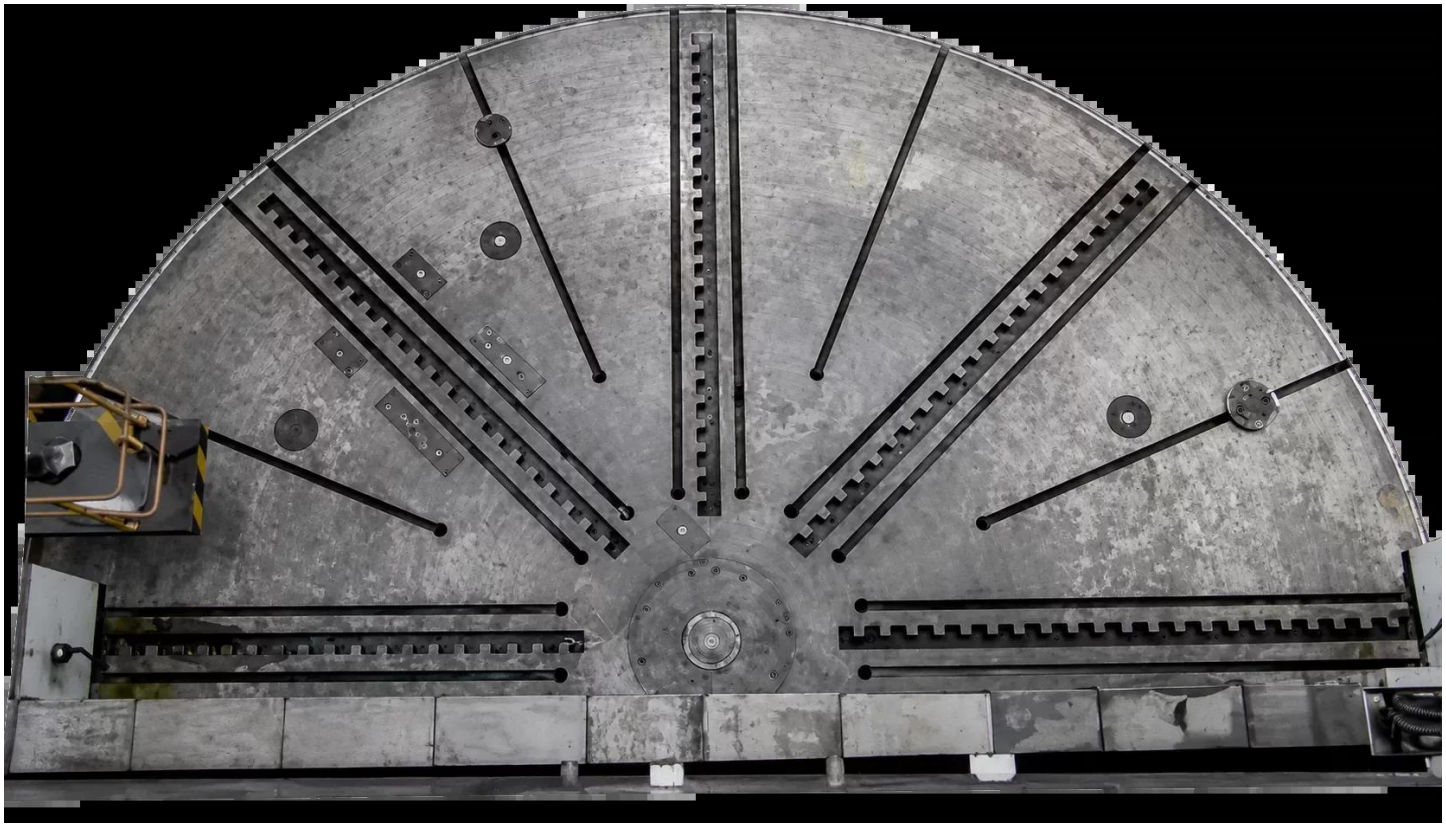
KARTA PRODUKTOWA

Operator Panel

KARTA PRODUKTOWA

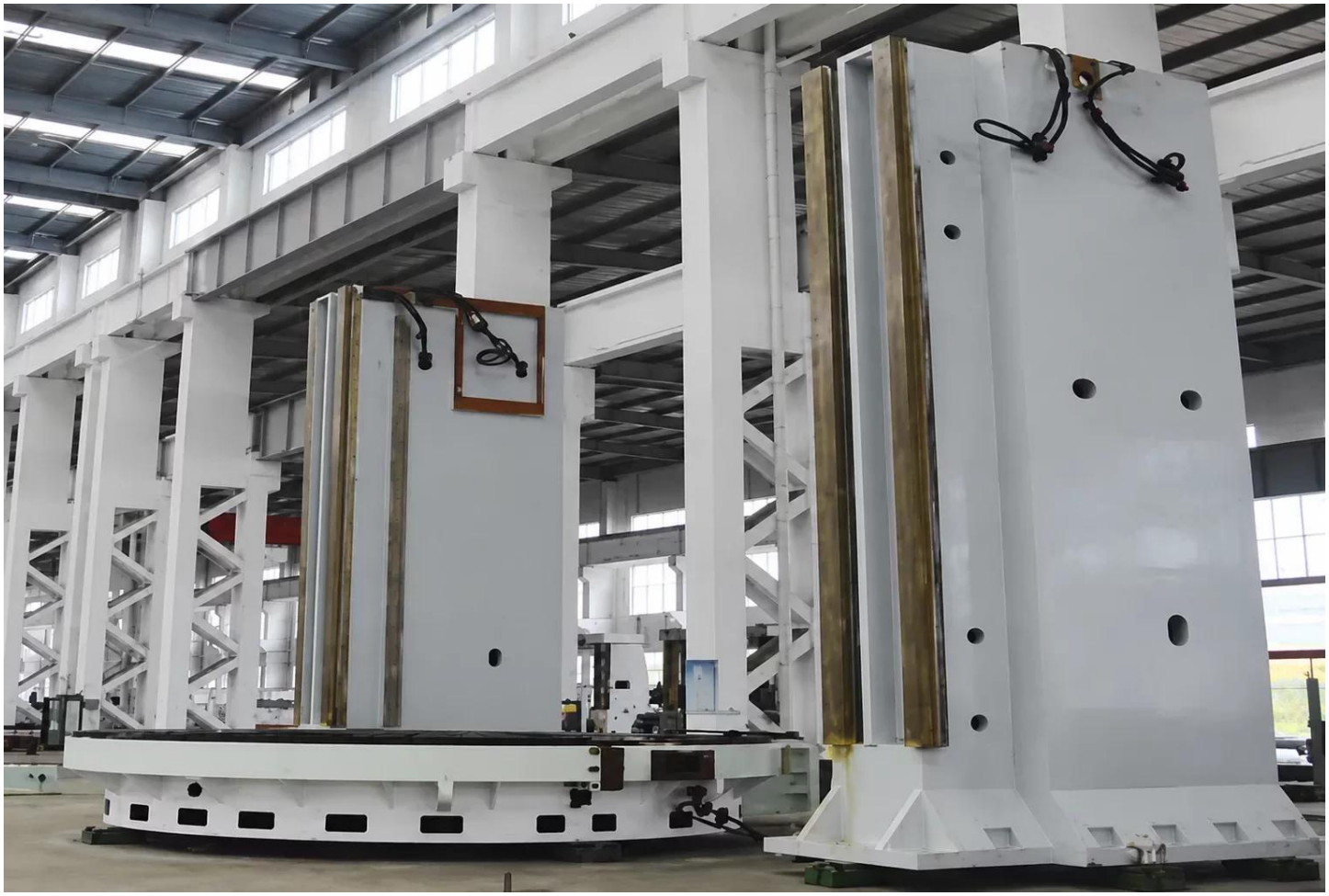


Gearbox



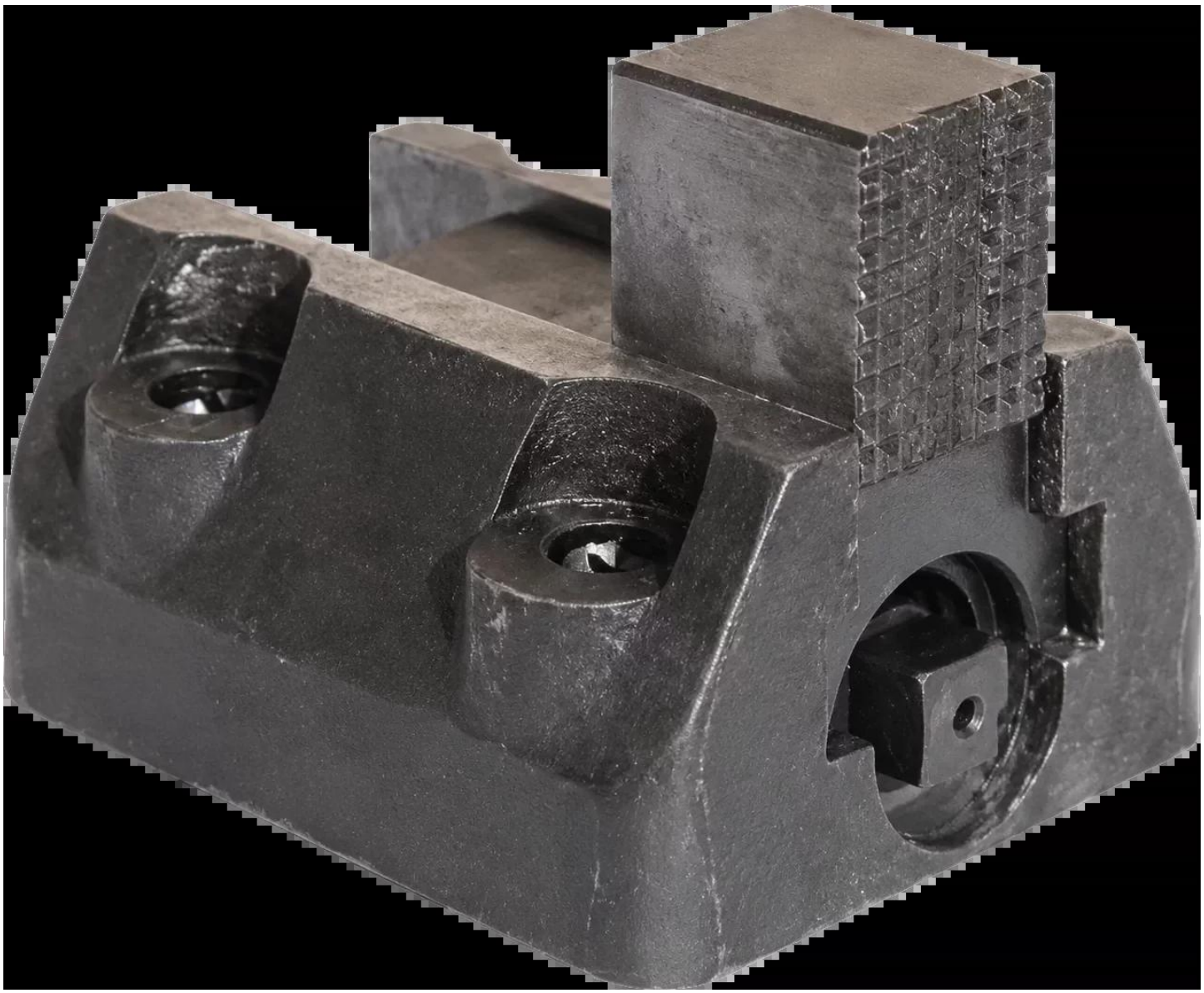
KARTA PRODUKTOWA

Working Table



Symmetrical Construction
Standard Equipment

KARTA PRODUKTOWA

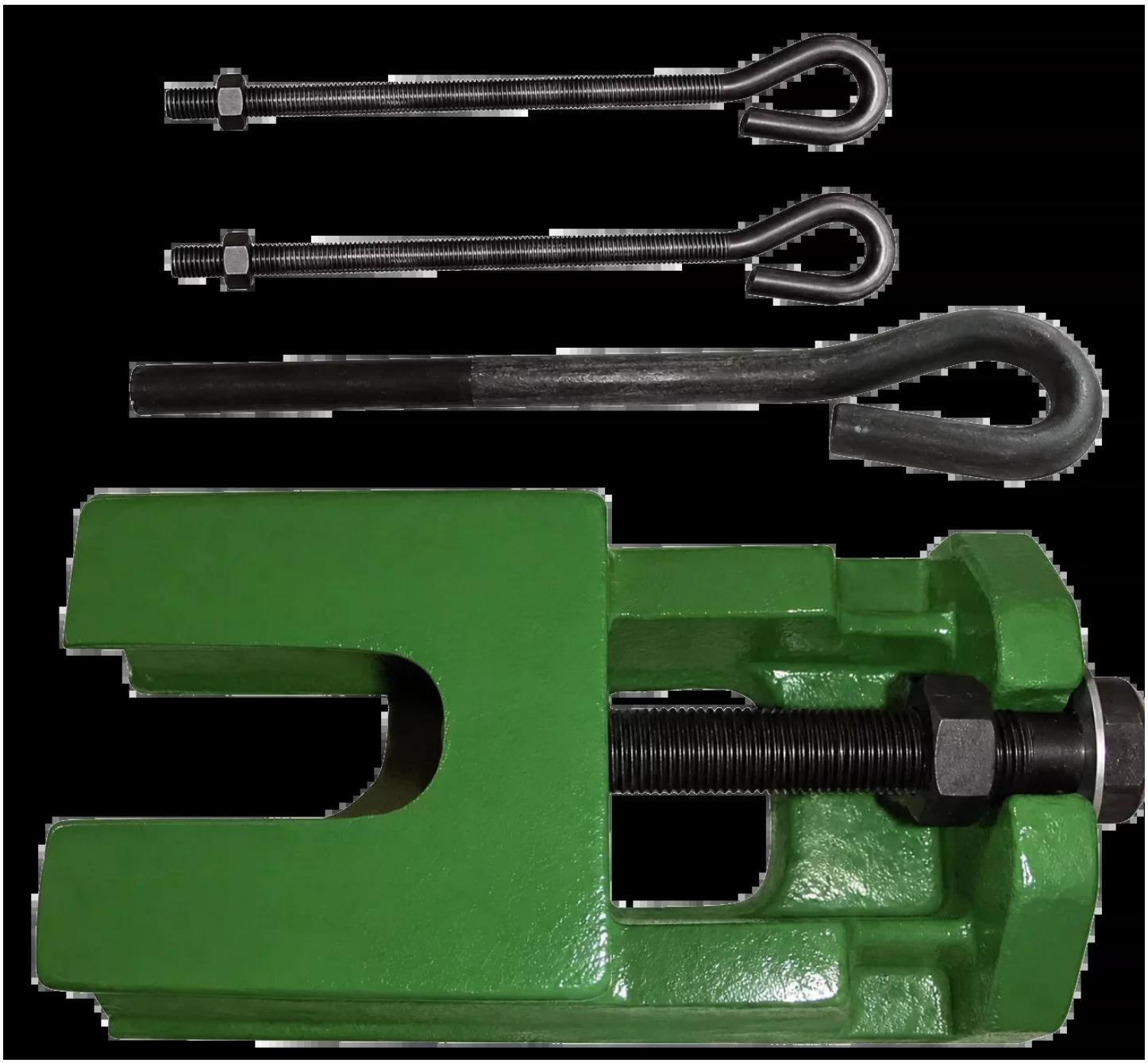


Chuck Jaws

KARTA PRODUKTOWA

Tool Holder

KARTA PRODUKTOWA



Leveling Wedges and Screws

KARTA PRODUKTOWA

Hand Tools

KARTA PRODUKTOWA

Oil Can
Optional Equipment

KARTA PRODUKTOWA

DRO

KARTA PRODUKTOWA

KARTA PRODUKTOWA

Oil Cooler

Chip Conveyor

KARTA PRODUKTOWA

KARTA PRODUKTOWA

Milling Head

KARTA PRODUKTOWA

KARTA PRODUKTOWA

Grinding Head
Industrial Applications

Heavy Industry

KARTA PRODUKTOWA

Mining

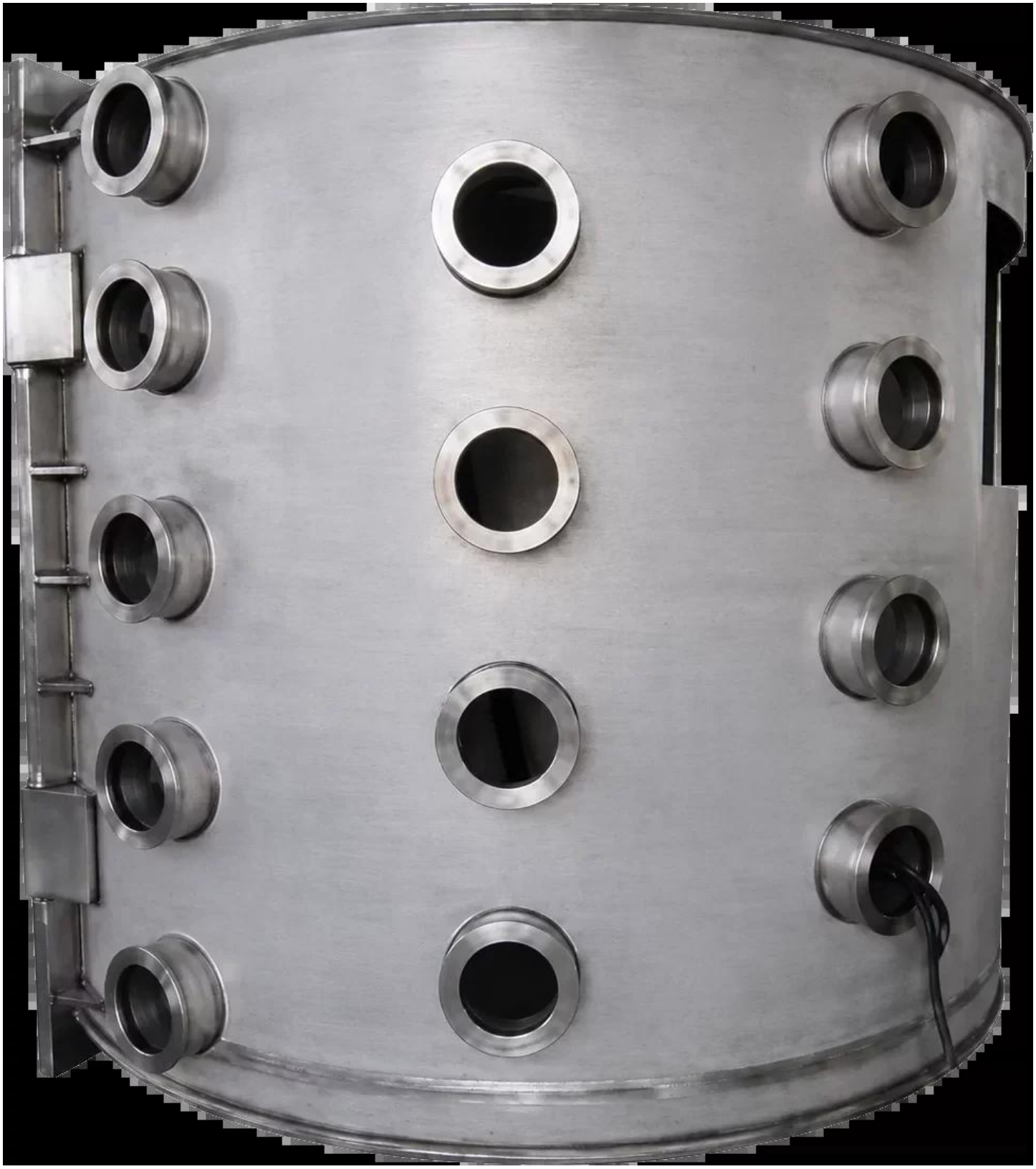
KARTA PRODUKTOWA

Power Generation

KARTA PRODUKTOWA

Structural Fabrication

KARTA PRODUKTOWA



Machining Large Components
Technical Features

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

KARTA PRODUKTOWA

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**