



KARTA PRODUKTOWA

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





KARTA PRODUKTOWA



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

Double-Column Lathe



KARTA PRODUKTOWA

DTL-40H Double-Column Vertical Turning Lathe

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

DTL-40H 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-40H 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

32T

Table Load Capacity

32 tonnes

55

Main Motor Power

55 kW, optional 75 kW

Heavy-duty machine for large industrial components.

The DTL-40H 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

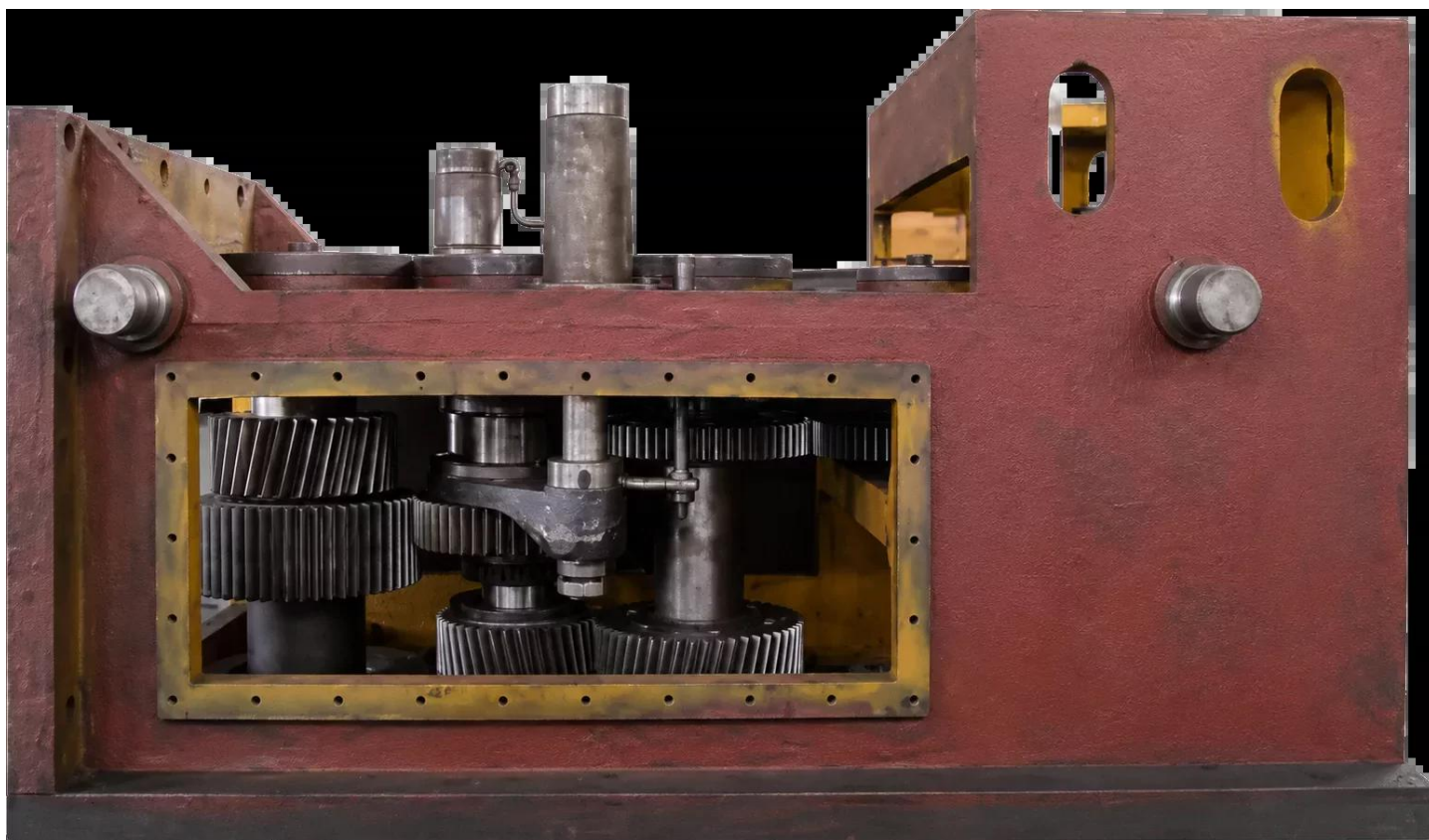


KARTA PRODUKTOWA



Operator Panel

KARTA PRODUKTOWA

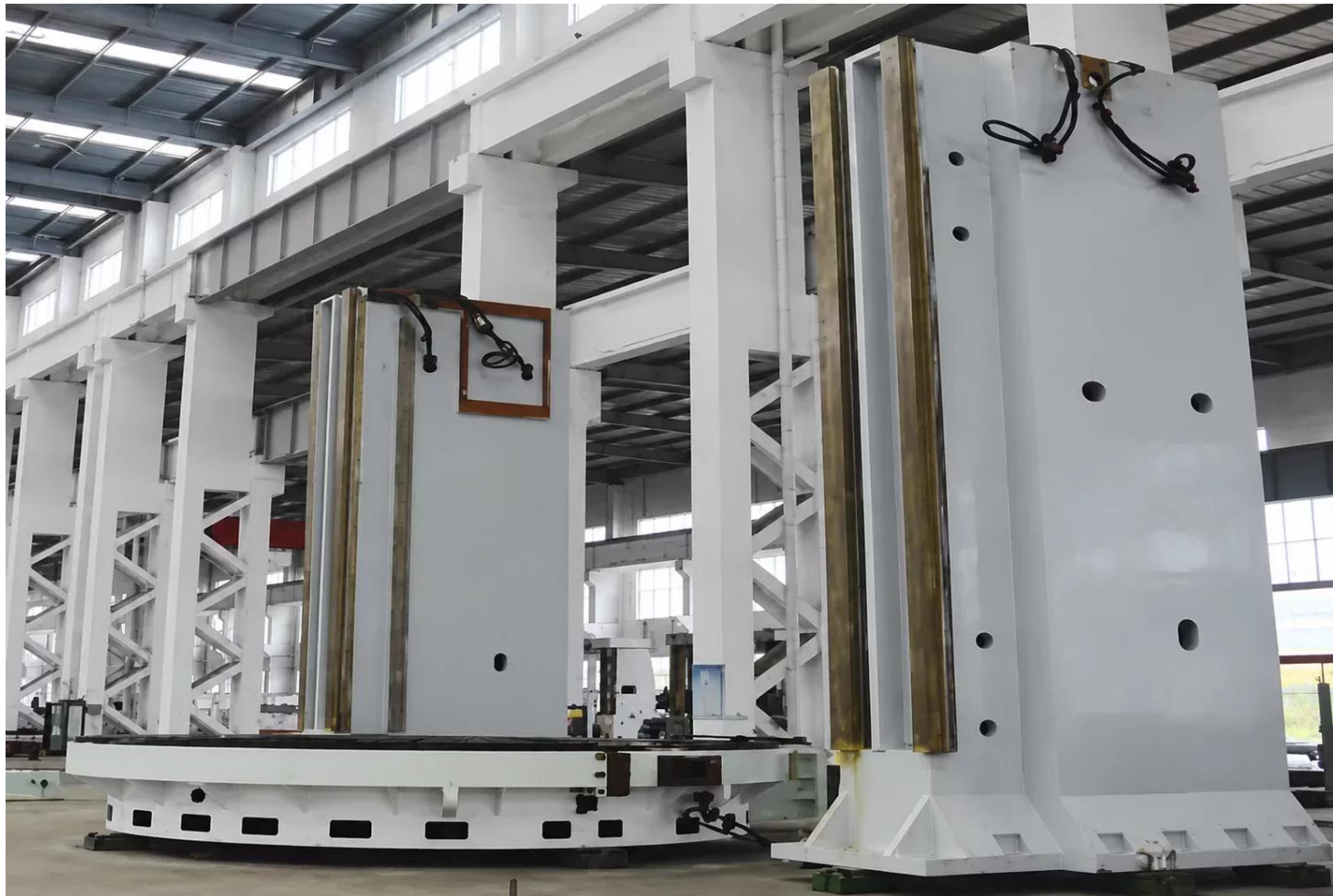


Gearbox

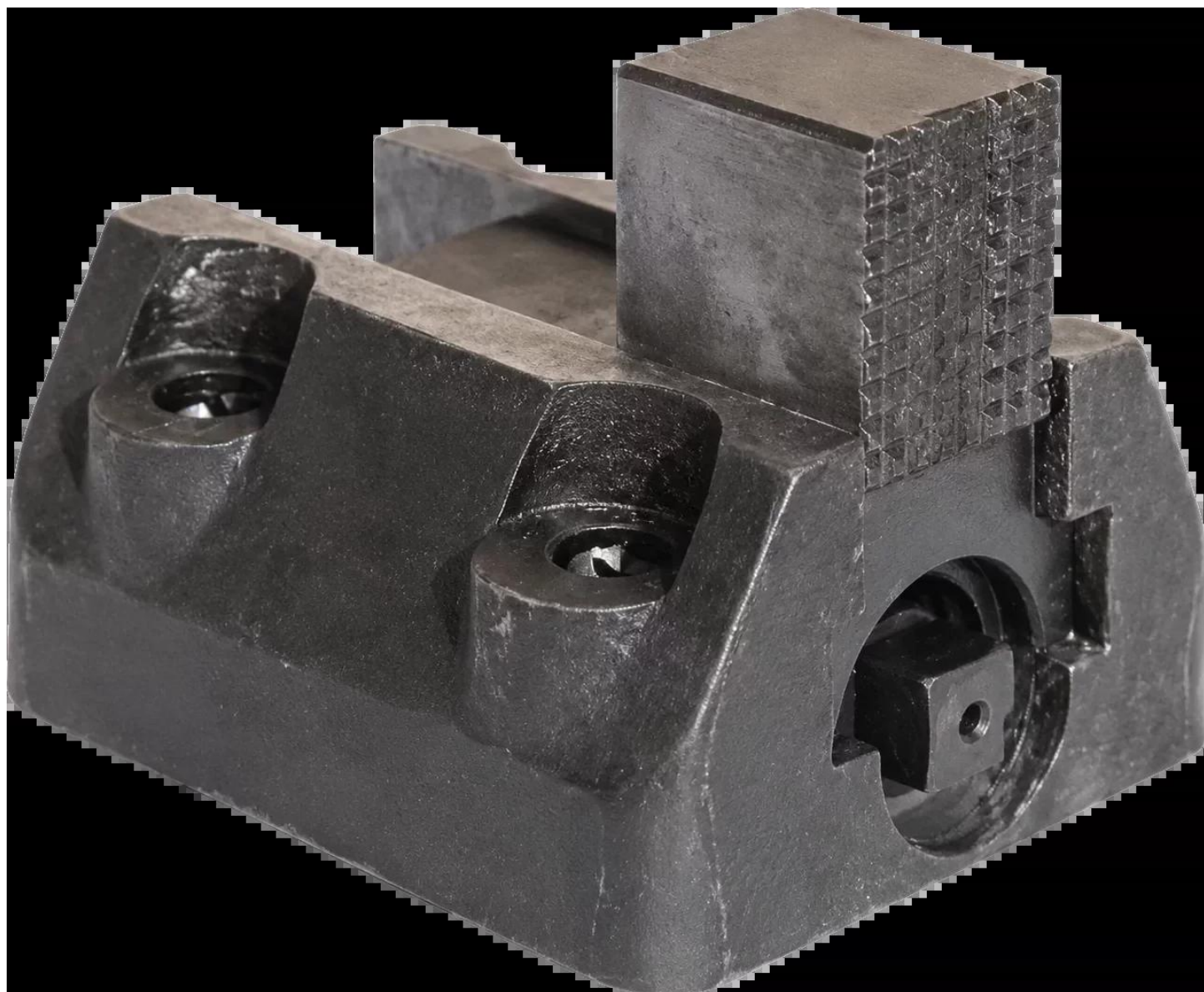


KARTA PRODUKTOWA

Working Table



Symmetrical Construction
Standard Equipment



Chuck Jaws

KARTA PRODUKTOWA



Tool Holder



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



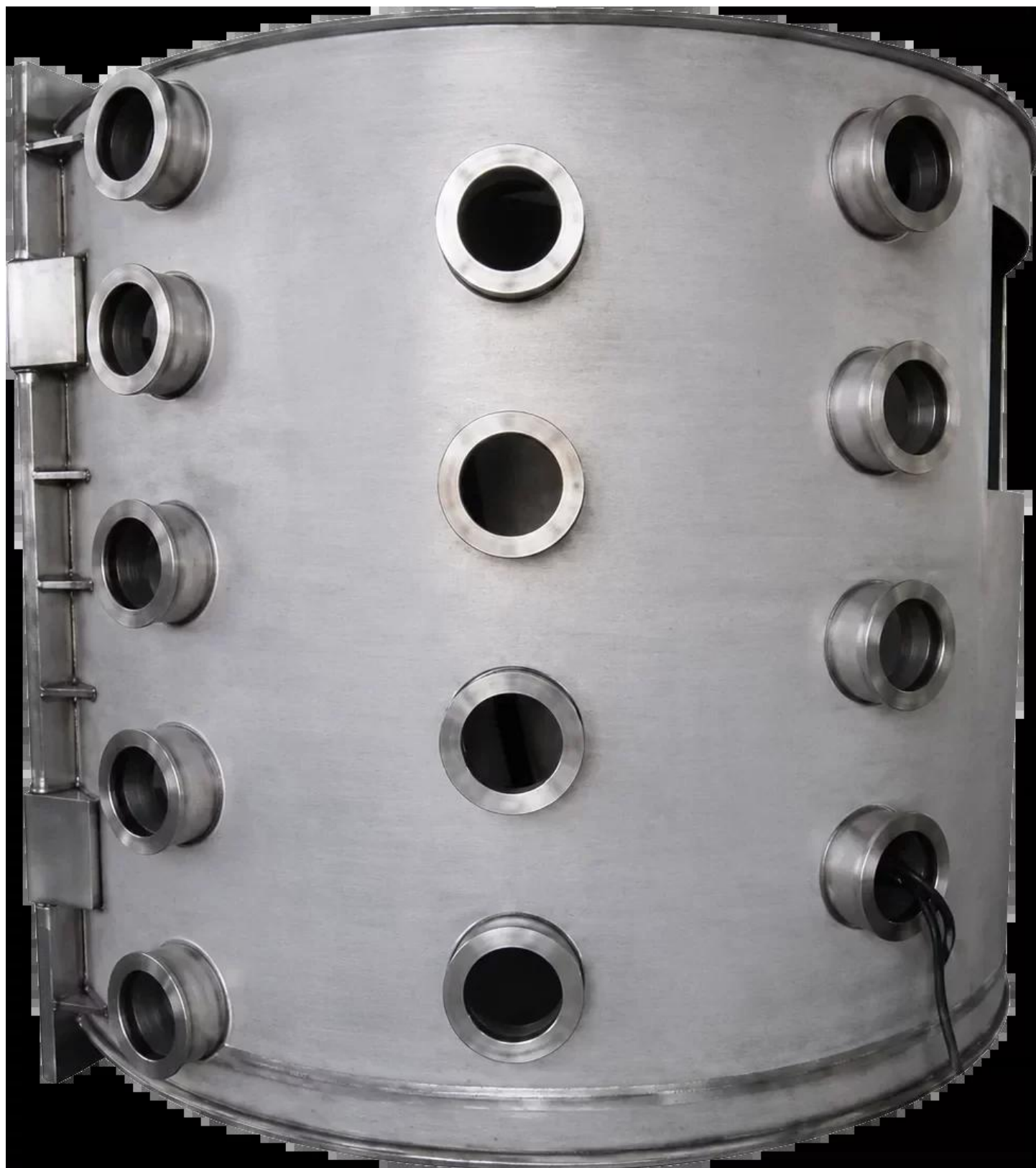
Power Generation

KARTA PRODUKTOWA



Structural Fabrication

KARTA PRODUKTOWA



Machining Large Components
Technical Features



KARTA PRODUKTOWA

Key Features of the DTL-40H

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-40H lathe suitable?

The DTL-40H 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-40H Specifications



KARTA PRODUKTOWA

Technical Specifications for the DTL-40H Model

Model **DTL-40H**

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 **32 tonnes**

Main Motor Power **55 kW, optional 75 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**