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DBM-160T-CNC CNC Horizontal Boring Machine 2000 × 2500 mm





Main image of the DBM-160T-CNC model — T-type CNC horizontal boring machine
T-Type CNC Horizontal Boring Machine

DBM-160T-CNC CNC Horizontal Boring Machine

T-Type CNC Horizontal Boring Machine with a 160 mm Spindle, 2000 × 2500 mm Table and 37 kW Spindle Motor

DBM-160T-CNC is a T-type CNC horizontal boring machine designed for stable machining of large housings, plates, castings and heavy structural components.

The machine is designed for drilling, counterboring, boring, reaming, face milling, tapping and milling. A **160 mm** spindle, **2000 × 2500 mm** worktable, **2500 mm** X-axis travel and **37 kW** spindle power enable efficient machining of very large components in machine manufacturing, maintenance and component refurbishment.



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160

Spindle Diameter

160 mm

2500

X-Axis Travel

2500 mm

2500

Worktable

2000 × 2500 mm

37

Spindle Motor Power

37 kW

DBM-160T-CNC – the largest T-type variant with a 160 mm spindle and a 2000 × 2500 mm table.

The model features a 160 mm spindle, a 2000 × 2500 mm worktable with an optional 2500 × 3000 mm version, 2500 mm X-axis travel with optional 3500–6500 mm versions, 3000 mm Y-axis travel with an optional 4000 mm version, Z/V-axis travel of 800 / 1600 mm with an optional 1000 / 2000 mm version and 37 kW spindle motor power.

Photo Gallery

Images and Key Components of the DBM-160T-CNC Model

Key Components of the T-Type CNC Boring Machine

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CNC

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Boring Spindle

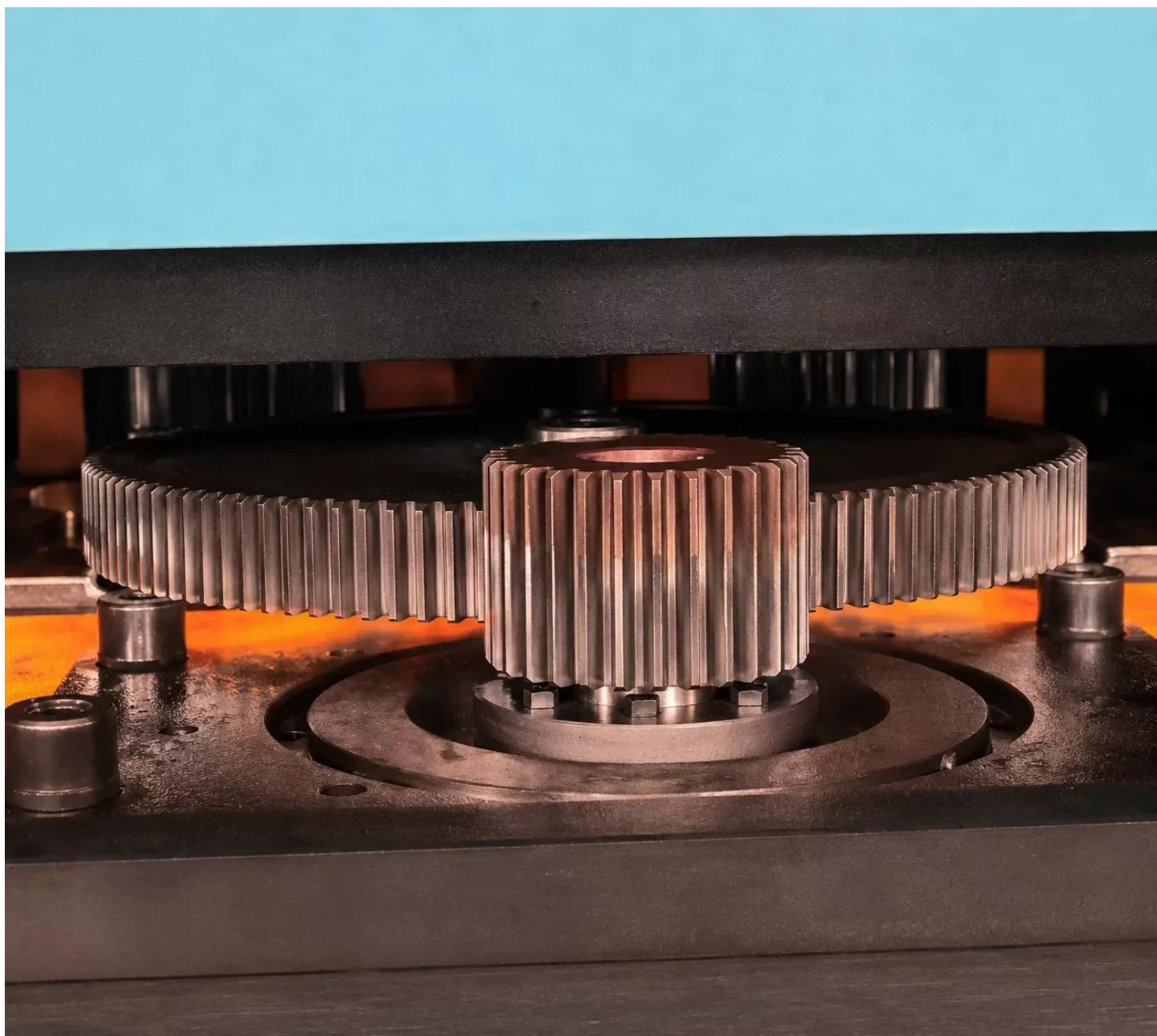
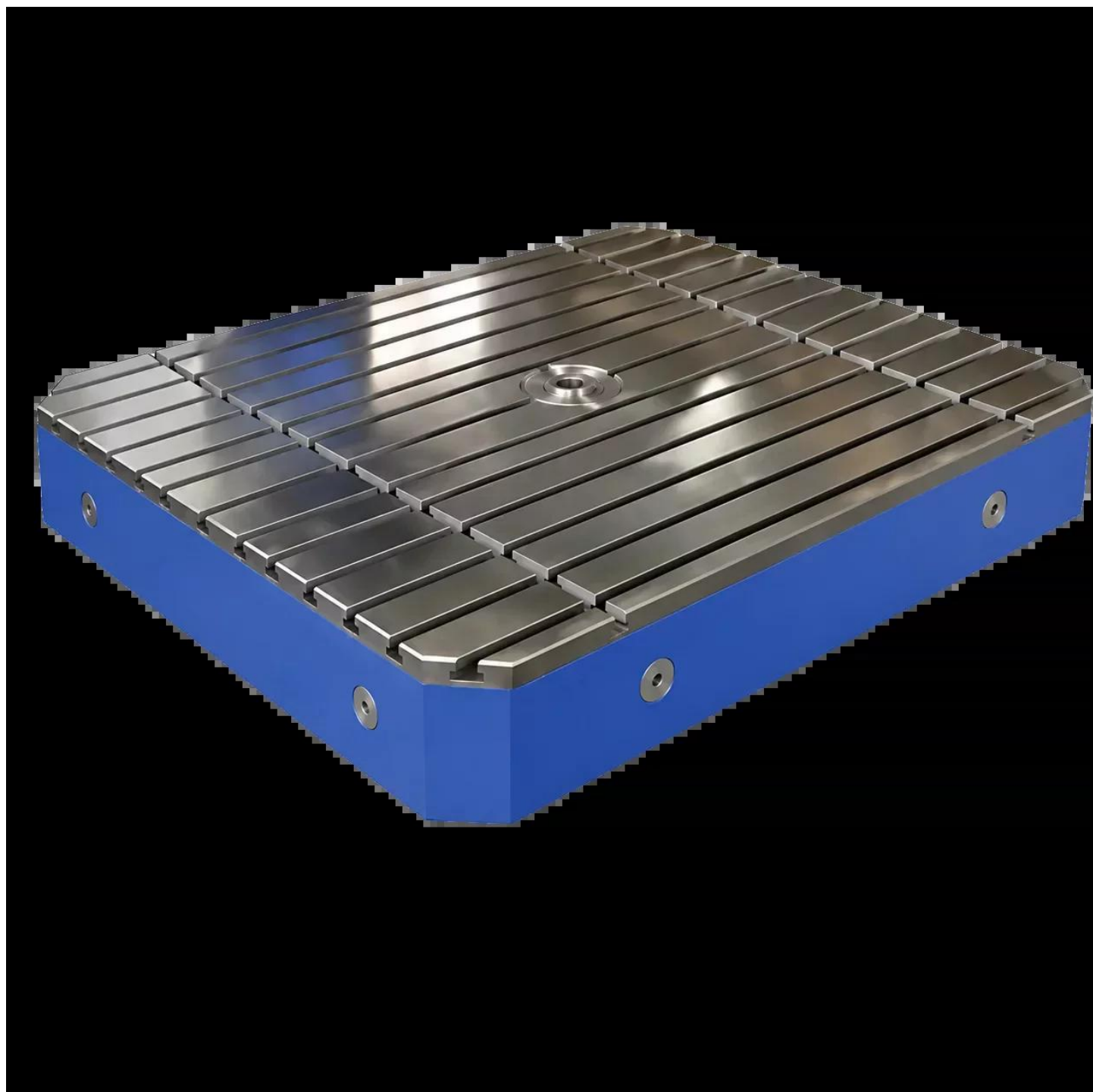


Table Indexing

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Table



Facing Head
Machine Construction

T-Type Construction and Convenient CNC Operation

The DBM-160T-CNC version is designed in a T-type configuration, providing high rigidity and convenient setup of very large workpieces. This construction is particularly useful for machining large housings,



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frames, plates, castings and components requiring precise positioning relative to the spindle.

The robust and rigid cast-iron construction increases machining stability. The guideways are precision ground, ensuring smooth travel and high motion accuracy. The 160 mm nitrided boring spindle extends machine service life and increases durability during production cycles.

The gearbox facilitates high torque at low speed and high power at higher speeds. Precision table indexing and locking at different angles enable accurate workpiece setup during complex machining operations.

Technical Features

Key Features of the DBM-160T-CNC

Robust and rigid cast-iron construction ensures stability during machining of heavy and large workpieces.

Precision-ground guideways ensure smooth axis movement and accurate guidance during operation.

160 mm nitrided boring spindle increases spindle durability and extends machine service life.

37 kW spindle motor provides high performance during heavy machining of very large workpieces.

2000 × 2500 mm table enables clamping of large housings, plates and structural components.

Optional 2500 × 3000 mm table expands capability for working with the largest industrial workpieces.

Precision table indexing enables table locking at different angles and accurate workpiece setup.

Facing head expands machining capability for faces, mounting surfaces and large workpieces.

Equipment

Standard and Optional Equipment

Standard Equipment — foundation wedges and screws, oil can, hand tools, operating manuals and basic components required for machine commissioning and operation.



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CNC Equipment — central operator panel, CNC control, PLC system, functions supporting repeatable machining and axis control.

Optional Equipment — a larger 2500 × 3000 mm table, extended X-axis travel up to 3500–6500 mm and extended Y-axis travel up to 4000 mm.

Configuration Options — the machine can be adapted to the facility's technological requirements and the type of workpieces produced.

Applications

Wide Range of Applications for the DBM-160T-CNC Boring Machine

Thanks to its T-type configuration, rigid construction, CNC control, precision table indexing and 160 mm spindle, the DBM-160T-CNC is suitable for production and refurbishment of very large components requiring precise machining of holes, faces and mounting surfaces.

Machinery industry — machining housings, frames, plates and large cast components.

Valve, pump and bearing industry — machining housings, seats, mounting holes and precision components.

Power generation and heavy industry — preparation of holes, faces and mounting elements of large components.

Mining, railways and construction machinery — refurbishment and production of heavy machine parts and structures.

Aerospace, automotive and oil industry — machining large structural and process components.

CNC machining facilities — drilling, boring, reaming, tapping, milling and face machining.

DBM-160T-CNC Specifications

Technical Specifications of the DBM-160T-CNC Model

Model **DBM-160T-CNC**

Machine Type **T-Type CNC Horizontal Boring Machine**



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Control **CNC, central operator panel**

Machining Operations **Drilling, counterboring, boring, reaming, face milling, tapping, milling**

Boring Spindle Diameter **160 mm**

Worktable Dimensions **2000 × 2500 mm**

Optional Table Dimensions **2500 × 3000 mm**

X-Axis Travel **2500 mm**

Optional X-Axis Travel **3500–6500 mm**

Y-Axis Travel **3000 mm**

Optional Y-Axis Travel **4000 mm**

Z / V-Axis Travel **800 / 1600 mm**

Optional Z / V-Axis Travel **1000 / 2000 mm**

Spindle Motor Power **37 kW**

Construction **Robust and rigid T-type cast-iron construction**

Guideways **Precision-ground guideways ensuring smooth movement**

Spindle **Nitrided boring spindle with long service life**

Gearbox **High torque at low speed and high power at high speed**

Table Indexing **Precision table indexing and locking at different angles**

Selected Components **CNC, boring spindle, table indexing, table, facing head**

Standard Equipment **Foundation wedges and screws, oil can, hand tools, operating manuals**

Optional Equipment **Larger table, extended axis travel, clamping angle plate, boring head / boring bar, clamping fixtures**