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DBM-110T-CNC CNC Horizontal Boring Machine 1200 × 1400 mm





Main image of the DBM-110T-CNC model — T-type CNC horizontal boring machine
T-Type CNC Horizontal Boring Machine

DBM-110T-CNC CNC Horizontal Boring Machine

T-Type CNC Horizontal Boring Machine with a 110 mm Spindle, 1200 × 1400 mm Table and 2000 mm X-Axis Travel

DBM-110T-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 **110 mm** spindle, **1200 × 1400 mm** worktable, **2000 mm** X-axis travel and **22 kW** spindle power enable efficient machining of larger components in machine manufacturing, maintenance and component refurbishment.



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Spindle Diameter

110 mm

2000

X-Axis Travel

2000 mm

1400

Worktable

1200 × 1400 mm

22

Spindle Motor Power

22 kW

DBM-110T-CNC – T-type CNC horizontal boring machine with precision table indexing.

The model features a 110 mm spindle, a 1200 × 1400 mm worktable with an optional 1800 × 1800 mm version, 2000 mm X-axis travel with an optional 3500 mm version, 1600 mm Y-axis travel with optional 1800 / 2000 mm versions, Z/V-axis travel of 600 / 1200 mm and 22 kW spindle motor power.

Photo Gallery

Images and Key Components of the DBM-110T-CNC Model

Key Components of the T-Type CNC Boring Machine

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CNC

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Boring Spindle

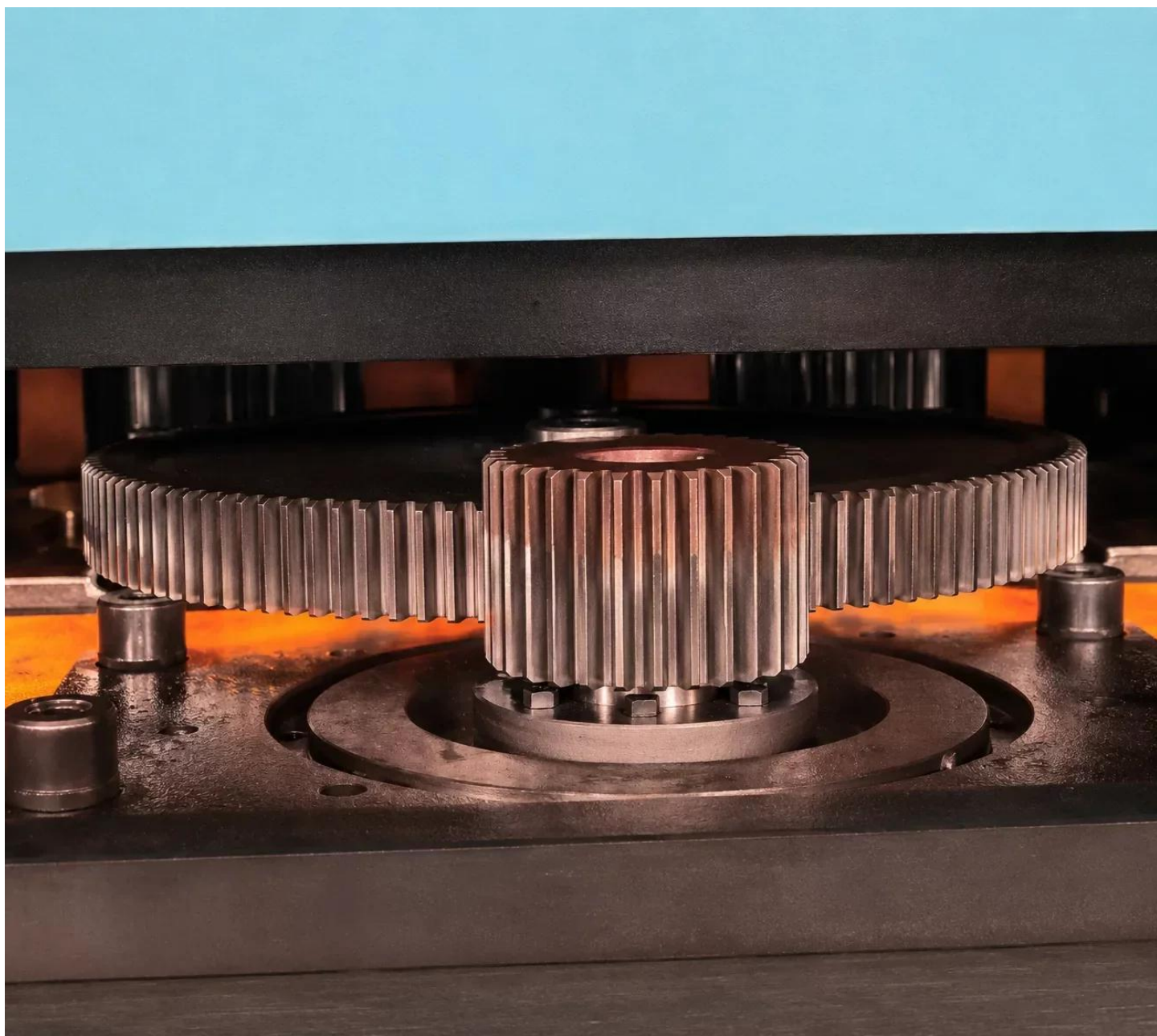
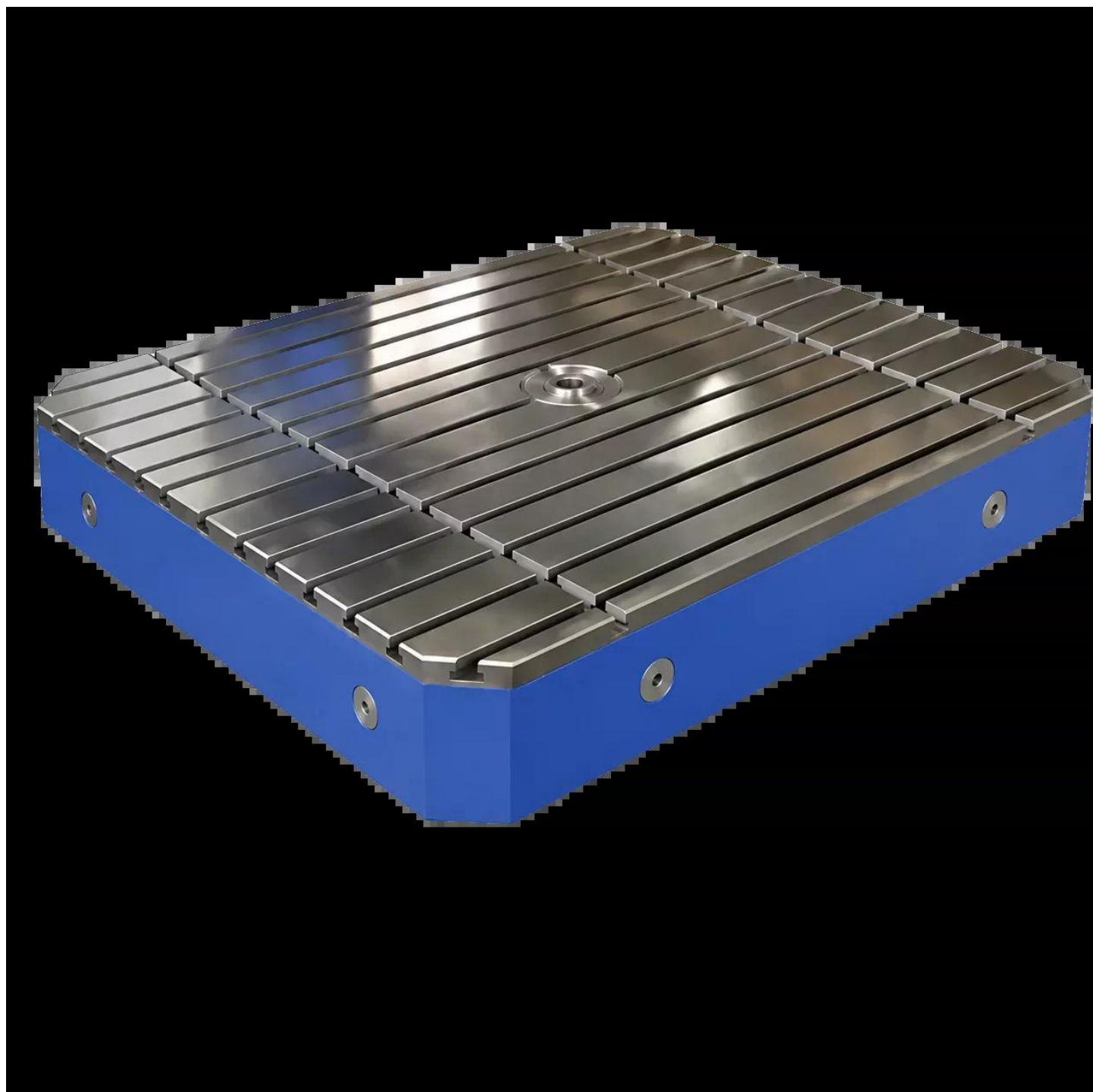


Table Indexing

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Table



Facing Head
Machine Construction

T-Type Construction and Convenient CNC Operation

The DBM-110T-CNC version is designed in a T-type configuration, providing high rigidity and convenient setup of large workpieces. This construction is particularly useful for machining housings, frames, plates,



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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 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-110T-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.

Nitrided boring spindle increases spindle durability and extends machine service life.

Spindle gearbox provides high torque at low speed and high power at higher speeds.

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

T-type configuration increases stability when machining large housings, plates and structural components.

CNC control enables cycle programming, repeatable machining and control of the machine's key axes.

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 1800 × 1800 mm table, extended X-axis travel up to 3500 mm and extended Y-axis travel up to 1800 / 2000 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-110T-CNC Boring Machine

Thanks to its T-type configuration, rigid construction, CNC control, precision table indexing and powerful spindle, the DBM-110T-CNC is suitable for production and refurbishment of 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-110T-CNC Specifications

Technical Specifications of the DBM-110T-CNC Model

Model **DBM-110T-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 **110 mm**

Worktable Dimensions **1200 × 1400 mm**

Optional Table Dimensions **1800 × 1800 mm**

X-Axis Travel **2000 mm**

Optional X-Axis Travel **3500 mm**

Y-Axis Travel **1600 mm**

Optional Y-Axis Travel **1800 / 2000 mm**

Z / V-Axis Travel **600 / 1200 mm**

Spindle Motor Power **22 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**