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DBM-130L-CNC CNC Horizontal Boring Machine 1600 × 1800 mm

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Main image of the DBM-130L-CNC model — CNC horizontal boring machine
CNC Horizontal Boring Machine

DBM-130L-CNC CNC Horizontal Boring Machine

CNC Horizontal Boring Machine with a 130 mm Spindle, 1600 × 1800 mm Table and Extended Axis Travel

DBM-130L-CNC belongs to the series of universal CNC horizontal boring and milling machines, designed for drilling, counterboring, boring, reaming, face milling, tapping and milling.

The machine is suitable for machining large housings, plates, structural components and workpieces

requiring precise hole machining. Its robust cast-iron construction, hardened and ground guideways, ball screws, automatic lubrication system, CNC control and **1600 × 1800 mm** worktable ensure stability, precision and convenient operation in metalworking facilities, maintenance departments, machine manufacturing and component refurbishment.

130
Spindle Diameter
130 mm
2000
X-Axis Travel
2000 mm
10T
Table Load Capacity
10 tonnes
15
Spindle Motor Power
15 kW
DBM-130L-CNC — CNC horizontal boring machine with a 130 mm spindle and a 1600 × 1800 mm table.

The model features a 130 mm spindle, a 1600 × 1800 mm table, table load capacity of 10 tonnesnes, X/Y/Z-axis travel of 2000 / 1600 / 2000 mm, 15 kW spindle motor power, CNC control, hardened and ground guideways, ball screws and an automatic lubrication system.

Photo Gallery

Images and Key Components of the DBM-130L-CNC Model

Key CNC Boring Machine Components According to the DBM-130L-CNC Model Documentation

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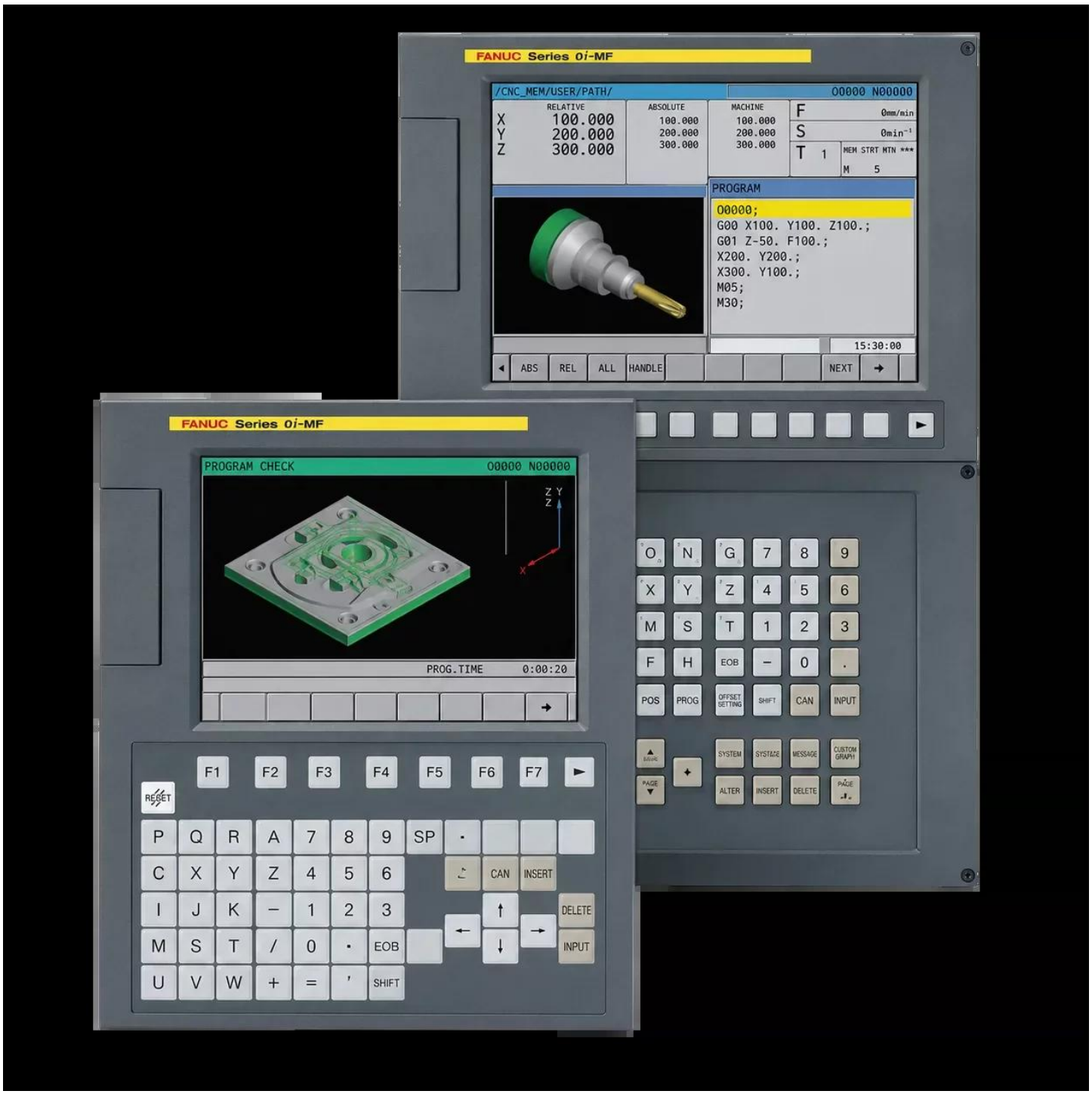

CNC

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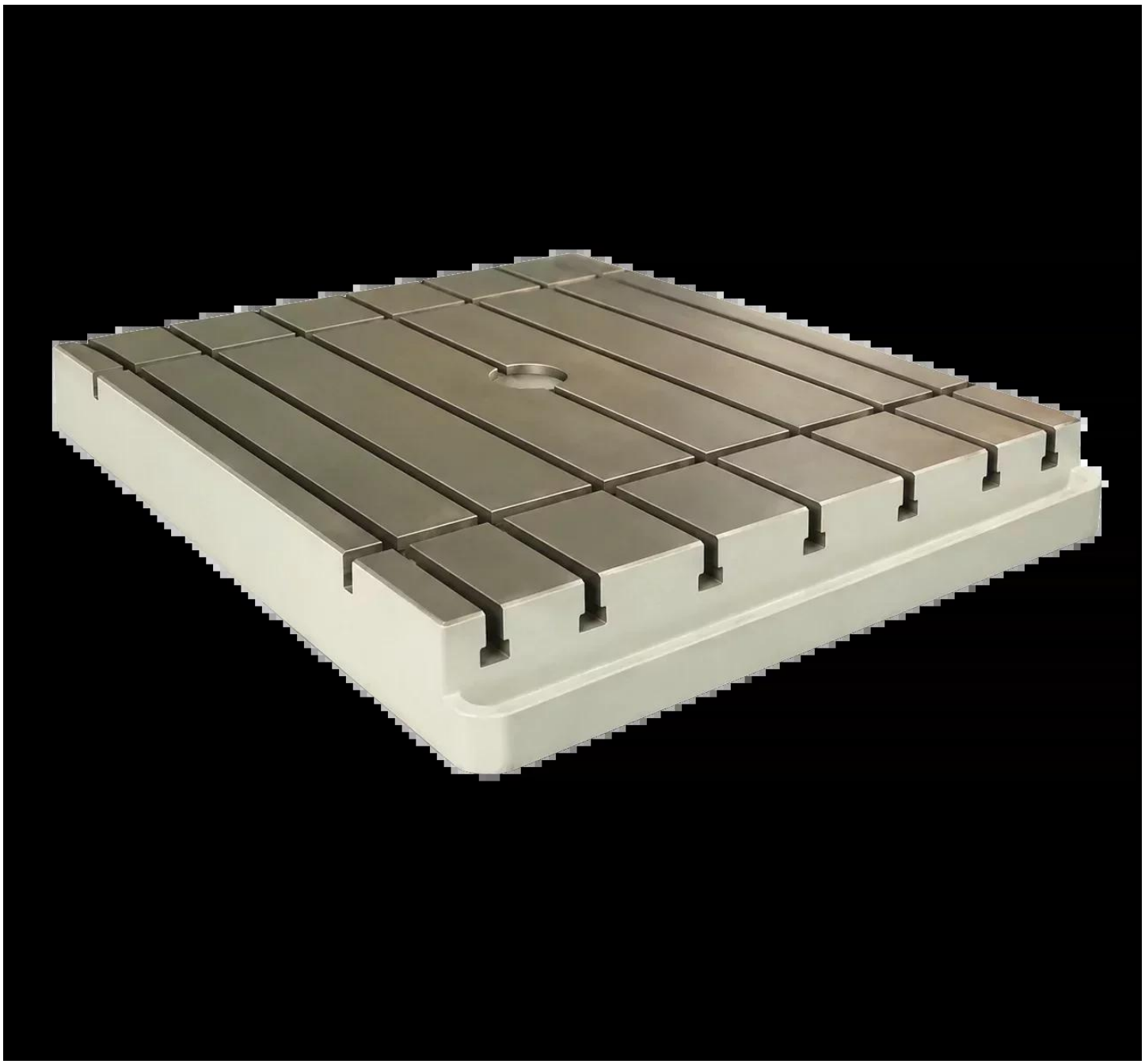

Worktable

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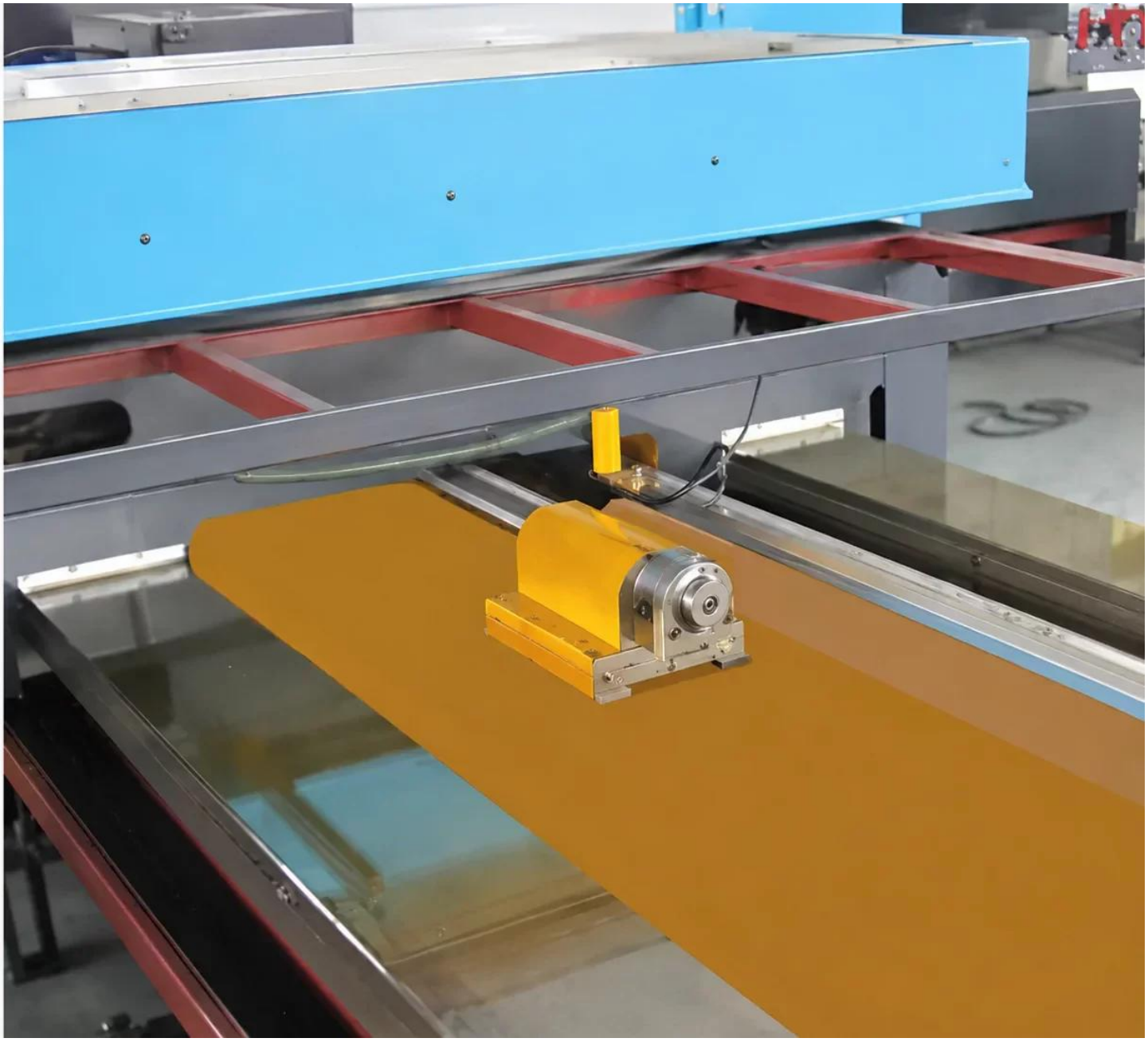

Guideways

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Ball Screws

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Automatic Lubrication System
Machine Construction

Rigid Construction and Convenient CNC Operation

The machine consists of a bed, front column, headstock, transverse and longitudinal saddles, worktable, rear column and a counterweight system with a pulley. The headstock moves vertically along the column

guideways, while the worktable can move transversely and longitudinally along the bed and rotate for workpiece setup.

The robust and rigid cast-iron construction increases machining stability. The guideways are hardened and ground, ensuring smooth travel and longer machine service life. The boring spindle is nitrided, maintaining high durability during prolonged operation.

The CNC version has a central operator panel that facilitates operation and process control. The electrical system uses a programmable PLC controller, while table position locking at 0°, 90°, 180° and 270° enables precise workpiece setup during machining.

Technical Features

Key Features of the DBM-130L-CNC

CNC control — convenient programming, machining repeatability and control of the machine's key axes.

130 mm spindle — the larger spindle diameter enables stable machining of large and heavy workpieces.

1600 × 1800 mm table — the enlarged working surface facilitates clamping of large housings, plates and castings.

10-tonne table load capacity allows work with heavier industrial workpieces.

Extended axis travel — X/Y/Z travel of 2000 / 1600 / 2000 mm increases the capacity for machining larger components.

Electrically hardened and ground guideways ensure smooth movement, high accuracy and longer machine service life.

Ball screws support precise axis movement and improve positioning repeatability.

Automatic lubrication system supports reliable operation of guideways and moving components.

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.

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

Optional Equipment — clamping angle plate, change gears for threading, boring head / boring bar and other components selected for the specific machining process.

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-130L-CNC Boring Machine

Thanks to its rigid construction, CNC control, larger worktable, stable spindle operation and 10-tonne table load capacity, the DBM-130L-CNC is suitable for production and refurbishment of components requiring repeatable and precise hole machining.

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

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

Hydro and steam turbine generators — preparation of holes, faces and mounting elements of large components.

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

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

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

DBM-130L-CNC Specifications

Technical Specifications of the DBM-130L-CNC Model

Model **DBM-130L-CNC**
Machine Type **CNC Horizontal Boring Machine**
Control **CNC, central operator panel**
Machining Operations **Drilling, counterboring, boring, reaming, face milling, tapping, milling**
Boring Spindle Diameter **130 mm**
Worktable Dimensions **1600 × 1800 mm**
Maximum Table Load **10 tonnes**
X-Axis Travel **2000 mm**
Y-Axis Travel **1600 mm**
Z-Axis Travel **2000 mm**
Spindle Motor Power **15 kW**
Construction **Rigid cast-iron construction for stable machining**
Guideways **Electrically hardened and ground guideways**
Spindle **Nitrided boring spindle with long service life**
Table Positioning **Locking pins for 0°, 90°, 180° and 270° positions**
Feed System **Ball Screws**
Lubrication **Automatic Lubrication System**
Auxiliary Control **PLC**
Standard Equipment **Foundation wedges and screws, oil can, hand tools, operating manuals**
Optional Equipment **Clamping angle plate, change gears for threading, boring head / boring bar**
Selected Components **CNC, worktable, guideways, ball screws, automatic lubrication system**