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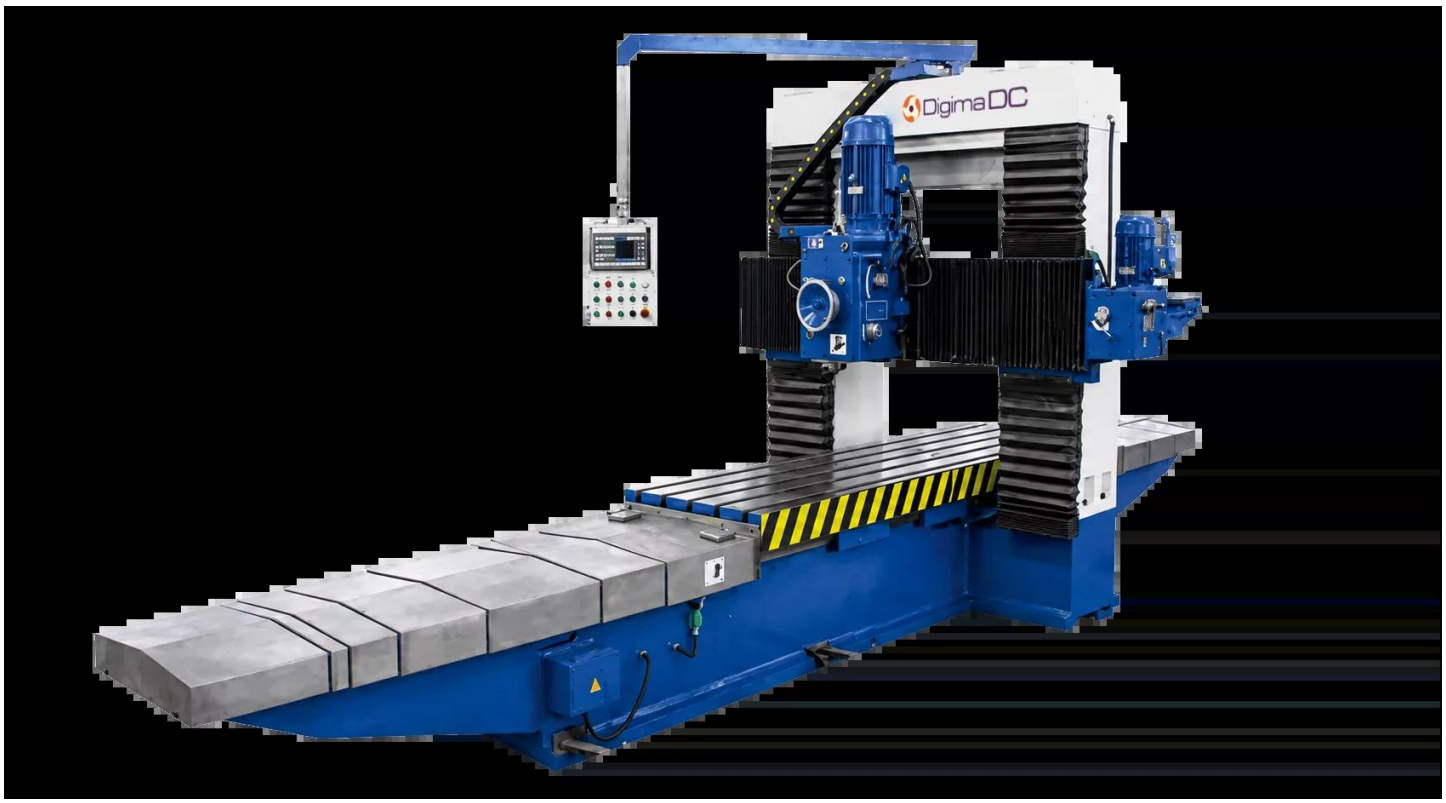
DM-1600 Gantry Milling Machine 1600 × 3000 mm



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Main image of the DM-1600 model — DM-1600 Manual / DRO gantry milling machine
DM-1600 Manual / DRO

DM-1600 Gantry Milling Machine

Manual gantry milling machine with optional DRO, a 1600 × 3000 mm table and reinforced gantry construction

DM-1600 is a DM-1600 gantry milling machine designed for machining large plates, housings, frames, castings and structural components. The machine is suitable for face milling, machining mounting surfaces, drilling and workshop operations requiring a stable gantry construction.

The symmetrical gantry frame provides high rigidity during more demanding cutting conditions, while table support along the entire travel length helps maintain consistent machining accuracy. The **Manual / DRO** version can be equipped with a digital axis position readout, facilitating workpiece setup, dimensional control and repeatable operator work.

1600
Table Width
1600 mm
3000
Table Length

3000 mm / optional 4000 mm
1000
Clearance Under the Crossbeam
1000 mm
11
Milling Head Power
11 kW / optional 15 kW
DM-1600 — wide variant for machining large plates, frames and housings.

The model offers a 1600 × 3000 mm table with an optional 4000 mm length, 1000 mm clearance under the crossbeam, X/Y/Z-axis travel of 3000 / 1600 / 500 mm, an 11 kW milling head with an optional 15 kW version, a 7.5 kW table-drive motor and Manual / DRO configuration options.

Product Gallery

Images and Key Components of the DM-1600 Model

DM-1600 Equipment Components and Operating Systems

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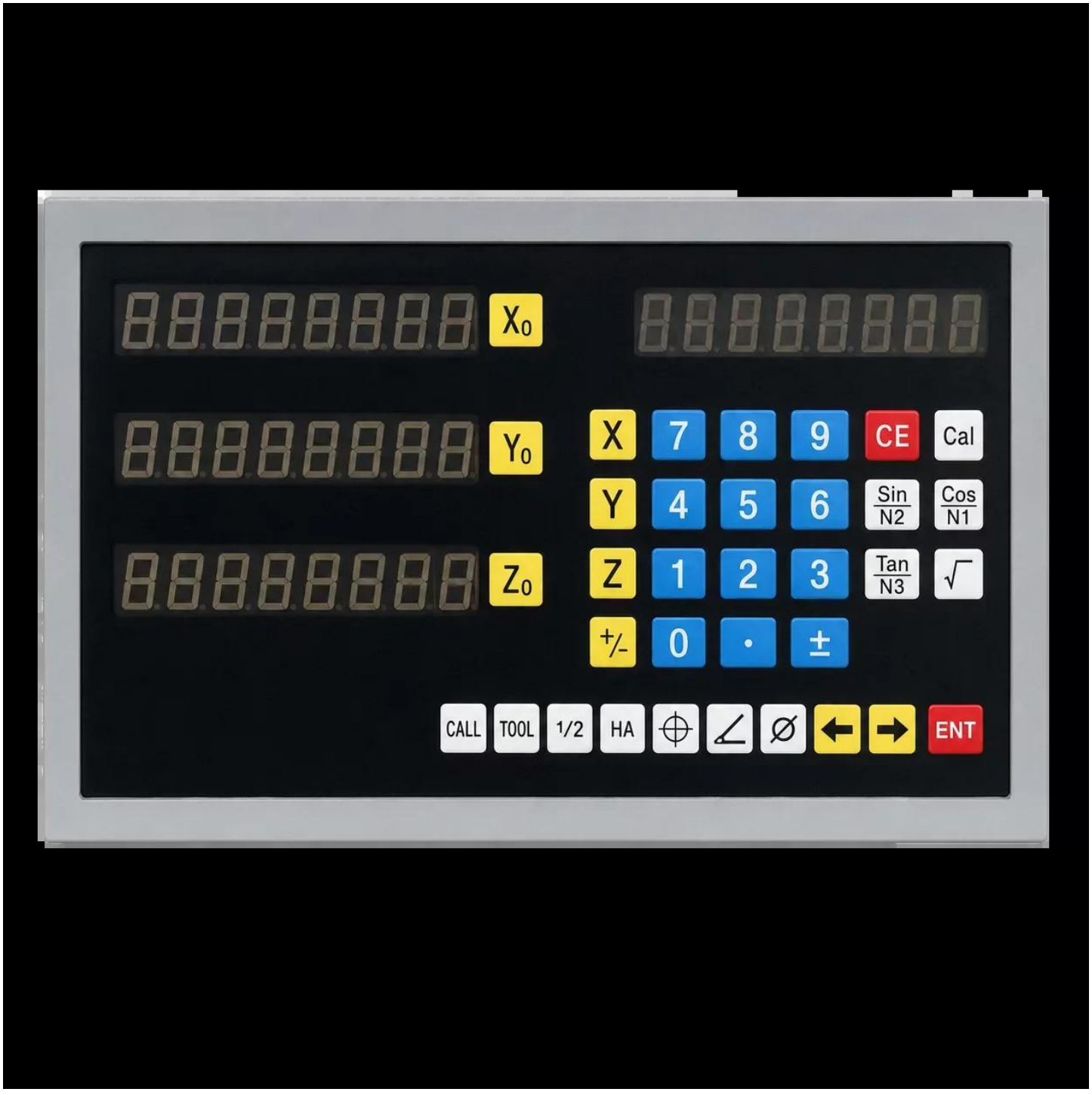

DRO

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Vertical Head

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Horizontal Head

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ISO Spindle

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Electrical System
Machine Construction

Rigid Gantry Construction for Machining Large Surfaces

The DM-1600 uses a symmetrical gantry frame that increases the rigidity of the entire construction and

improves stability during operation under more demanding cutting conditions. The gantry layout enables convenient machining of very wide and long components clamped on the worktable.

The table is supported along the entire travel length, helping maintain consistent cutting accuracy across the full working range. As a result, the machine is suitable for milling faces, datum surfaces, guideways, mounting plates and structural components.

The inverter-controlled X-axis feed drive enables smooth adjustment of table feed speed. A central push-button panel simplifies operation, while the optional DRO system improves the convenience of position setting and dimensional control during operation.

Technical Features

Key Features of the DM-1600

Symmetrical gantry construction provides high rigidity even under more demanding cutting conditions.

Full table support along the entire travel length helps maintain consistent machining accuracy.

Inverter-controlled X-axis drive enables smooth adjustment of table feed speed.

11 kW milling head with an optional 15 kW version ensures efficient machining of faces, grooves and mounting surfaces.

Central push-button panel simplifies machine operation and control of basic working functions.

DRO option facilitates axis position control, workpiece setup and repeatable machining.

1600 × 3000 mm table allows machining of large plates, frames and housings.

1000 mm clearance under the crossbeam enables work with taller workpieces and welded structures.

Versions and Equipment

Manual / DRO — Configuration for Workshop and Production

Manual version — classic operator-controlled configuration for milling large surfaces.

DRO version — digital axis position readout improves operating convenience and reduces the risk of measurement errors.

Vertical head — designed for milling faces, grooves and process surfaces.

Horizontal head — expands the range of side machining and operations requiring a different tool orientation.

Applications

Where is the DM-1600 gantry milling machine suitable?

The DM-1600 is designed for machining large surfaces, welded components, housings, mounting plates, machine frames and castings. Its gantry construction provides stability, while the wide 1600 × 3000 mm table and large working clearance enable work with large workpieces and structures requiring stable support.

Machine production — machining frames, plates, housings and structural components.

Repair facilities — refurbishment of mounting and datum surfaces on large parts.

Toolrooms — milling faces, grooves, datum surfaces and working surfaces.

Steel industry — machining welded structures and heavy technical components.

Single-piece machining — workshop, prototype and repair work.

Plate machining — milling datum surfaces and mounting faces.

DM-1600 Specifications

Technical Specifications of the DM-1600 Model

Model **DM-1600**
Machine Type **DM-1600 Manual / DRO Gantry Milling Machine**
Control / Configuration **Manual operation, optional DRO digital readout**
Table Dimensions **1600 × 3000 mm**

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Optional Table Dimensions **1600 × 4000 mm**
Clearance Under the Crossbeam **1000 mm**
X-Axis Travel **3000 mm / optional 4000 mm**
Y-Axis Travel **1600 mm**
Z-Axis Travel **500 mm**
Milling Head Power **11 kW / optional 15 kW**
Table Drive Motor Power **7.5 kW**
Construction **High-rigidity symmetrical gantry frame**
Table Support **Table supported along the entire travel length**
X-Axis Feed Drive **Inverter-controlled motor for variable feed**
Operation **Central push-button panel / operator console**
Selected Components **DRO, vertical head, horizontal head, ISO spindle, electrical system**
Applications **Face milling, machining of plates, frames, housings, castings and mounting surfaces**