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DM-1400 Gantry Milling Machine 1400 × 3000 mm





Main image of the DM-1400 model – DM-1400 Manual / DRO gantry milling machine
DM-1400 Manual / DRO

DM-1400 Gantry Milling Machine

Manual gantry milling machine with optional DRO, a 1400 × 3000 mm table and a 7.5 kW milling head

DM-1400 is a DM-1400 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.

1400

Table Width

1400 mm

3000

Table Length

3000 mm / optional 4000 mm



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1920

Distance Between Columns

1920 mm

7.5

Milling Head Power

7.5 kW / optional 11 kW

DM-1400 – wide variant for machining large plates and housings.

The model offers a 1400 × 3000 mm table with an optional 4000 mm length, 1920 mm clearance between the columns, X/Y/Z-axis travel of 3000 / 1400 / 500 mm, a 7.5 kW milling head with an optional 11 kW version, a 5.5 kW table-drive motor with an optional 7.5 kW version and Manual / DRO configuration options.

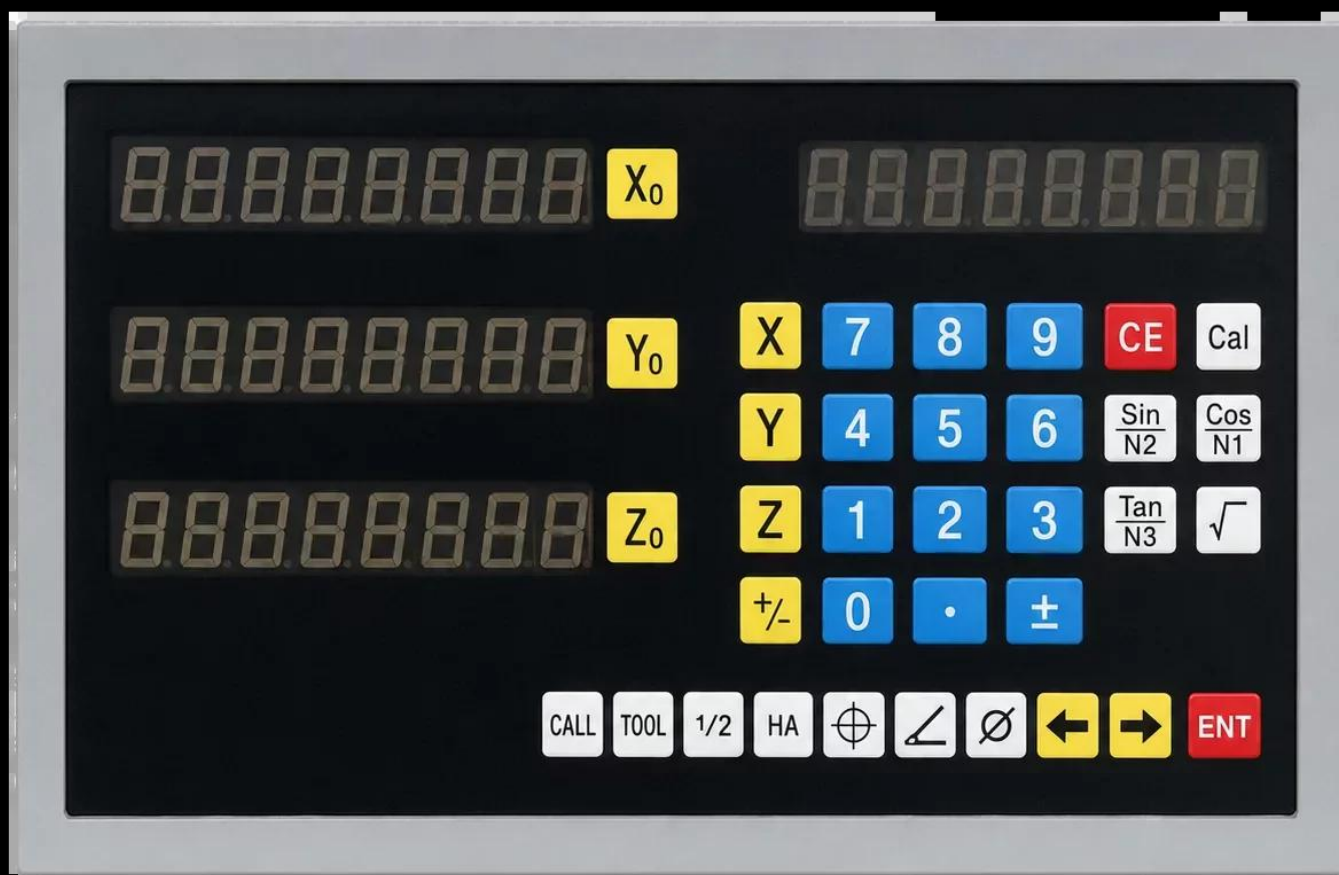
Product Gallery

Images and Key Components of the DM-1400 Model

DM-1400 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-1400 uses a symmetrical gantry frame that increases the rigidity of the entire construction and



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improves stability during operation under more demanding cutting conditions. The gantry layout enables convenient machining of 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-1400

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.

7.5 kW milling head with an optional 11 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.

1400 × 3000 mm table allows machining of larger plates, frames and housings.

1920 mm clearance between the columns provides more space for wide workpieces and welded structures.

Versions and Equipment

Manual / DRO – Configuration for Workshop and Production

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



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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-1400 gantry milling machine suitable?

The DM-1400 is designed for machining large surfaces, welded components, housings, mounting plates, machine frames and castings. Its gantry construction provides stability, while the larger 1400 × 3000 mm table and 1920 mm clearance between the columns allow work with wide workpieces and larger constructions.

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-1400 Specifications

Technical Specifications of the DM-1400 Model

Model **DM-1400**

Machine Type **DM-1400 Manual / DRO Gantry Milling Machine**

Control / Configuration **Manual operation, optional DRO digital readout**

Table Dimensions **1400 × 3000 mm**



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Optional Table Dimensions **1400 × 4000 mm**

Distance Between Columns **1920 mm**

X-Axis Travel **3000 mm / optional 4000 mm**

Y-Axis Travel **1400 mm**

Z-Axis Travel **500 mm**

Milling Head Power **7.5 kW / optional 11 kW**

Table Drive Motor Power **5.5 kW / optional 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**