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DM-1000 Gantry Milling Machine 1000 × 3000 mm





Main image of the DM-1000 model – DM-1000 Manual / DRO gantry milling machine
DM-1000 Manual / DRO

DM-1000 Gantry Milling Machine

Manual gantry milling machine with optional DRO, an 1000 × 3000 mm table and a 7.5 kW milling head

DM-1000 is a DM-1000 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.

1000

Table Width

1000 mm

3000

Table Length

3000 mm / optional 4000 mm



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1440
Distance Between Columns
1440 mm
7.5
Milling Head Power
7.5 kW
DM-1000 – larger DM-1000 variant for stable face machining.

The model offers a 1000 × 3000 mm table with an optional 4000 mm length, 1440 mm clearance between the columns, X/Y/Z-axis travel of 3000 / 1000 / 500 mm, a 7.5 kW milling head, a 4 kW table-drive motor with an optional 5.5 / 7.5 kW version and Manual / DRO configuration options.

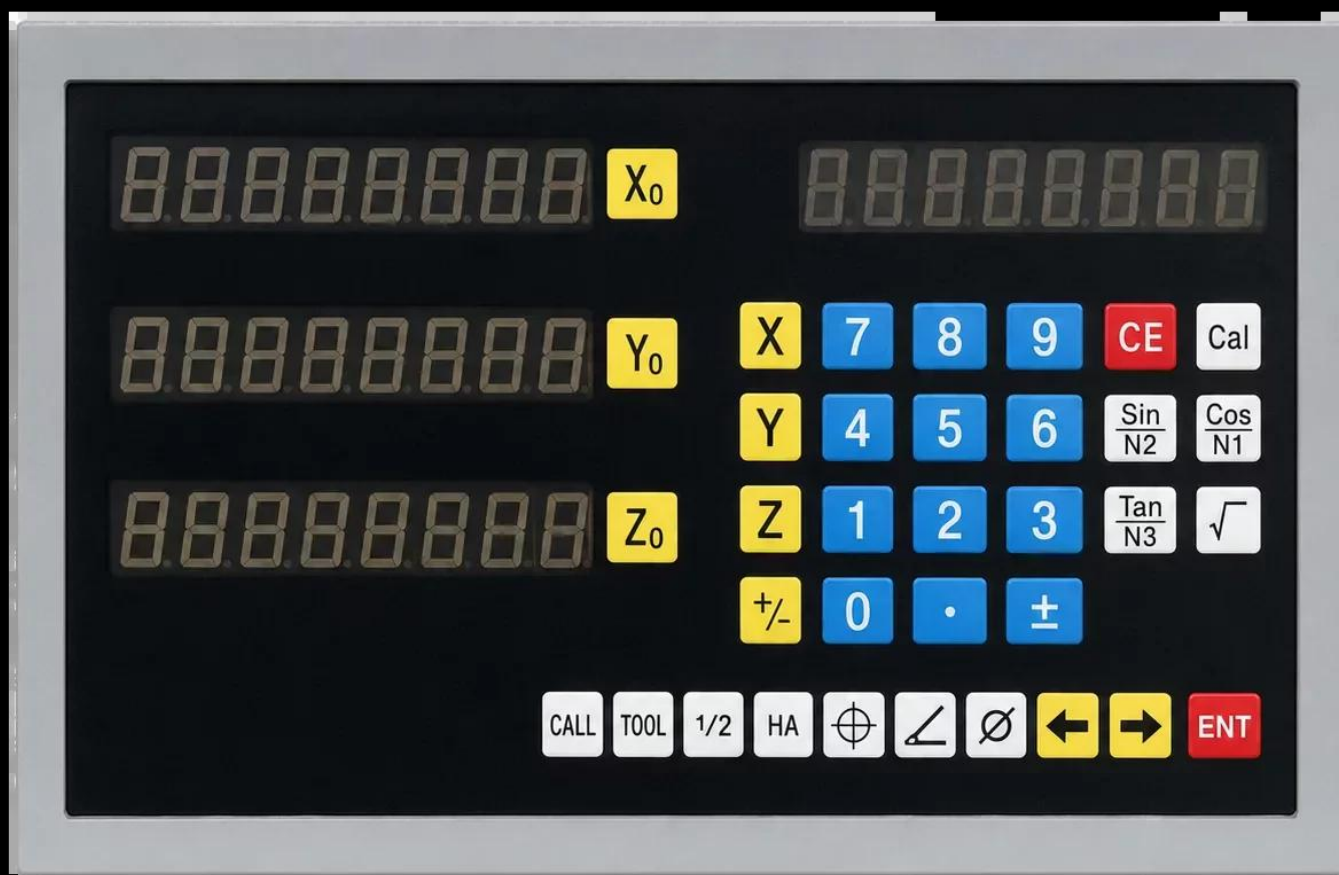
Product Gallery

Images and Key Components of the DM-1000 Model

DM-1000 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-1000 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 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-1000

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.

Powerful 7.5 kW milling head 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.

1000 × 3000 mm table allows machining of large plates, frames and housings.

Optional 4000 mm table length increases capacity for working with longer components.

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-1000 gantry milling machine suitable?

The DM-1000 is designed for machining large surfaces, welded components, housings, mounting plates, machine frames and castings. Its gantry construction provides stability, while the larger 1000 × 3000 mm table allows work with longer and wider workpieces than in the basic version of the series.

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-1000 Specifications

Technical Specifications of the DM-1000 Model

Model **DM-1000**

Machine Type **DM-1000 Manual / DRO Gantry Milling Machine**

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

Table Dimensions **1000 × 3000 mm**

Optional Table Dimensions **1000 × 4000 mm**



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Distance Between Columns **1440 mm**

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

Y-Axis Travel **1000 mm**

Z-Axis Travel **500 mm**

Milling Head Power **7.5 kW**

Table Drive Motor Power **4 kW / optional 5.5 / 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**