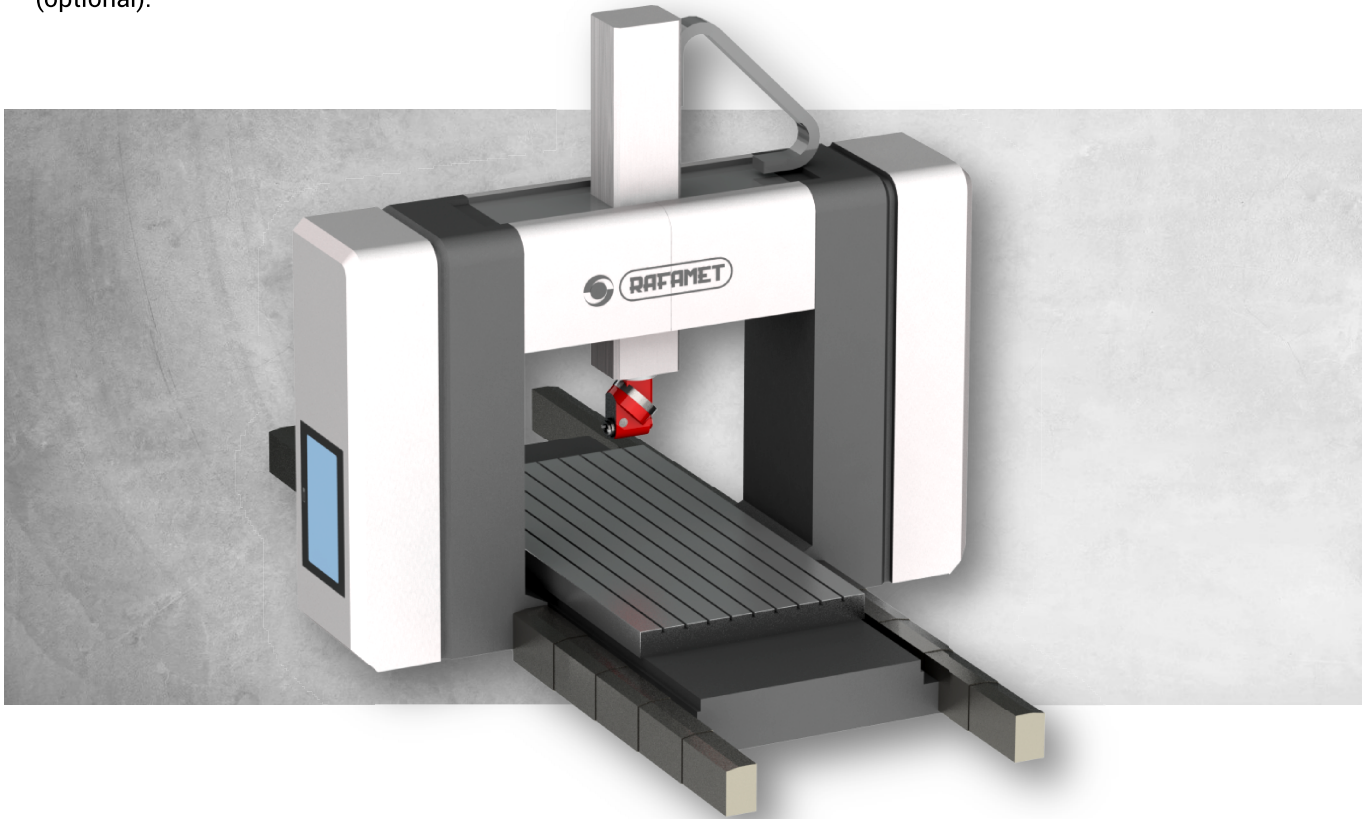


code: G-3

GMM Series

The GMM Series – Gantry Milling Machines are designed for versatile, economical and reliable machining of large workpieces. They are capable of performing various operations like milling, drilling, reaming, boring and threading. The application of the CNC system provides automatic and productive machining controlled by technological program. The ram spindle and tool head are provided with SK-50 taper which enables automatic tool clamping and unclamping, as well as cooperating with tool magazine (optional).

Gantry Milling Machines



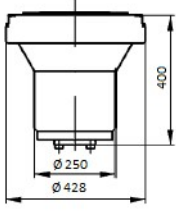
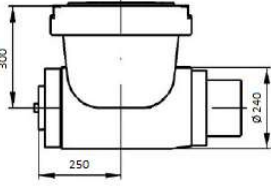
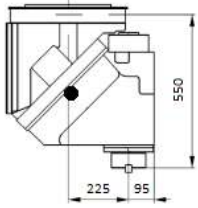
- Rigid and compact machine design - cast iron construction
- All movable assembly units travel along precise rolling guideways
- Fixed cross-rail
- Movable gantry
- Four Z-axis guideways

STANDARD EQUIPMENT

- Siemens SINUMERIK 840D sl system
- Threading without compensation holder
- Handwheel
- Spindle with gear 20-4000 rpm
- Tool air and liquid cooling system
- Data transmission USB + Fast Ethernet
- Integrated chip conveyors system

OPTIONAL EQUIPMENT

- Siemens SINUMERIK ONE / Heidenhain TNC 640
- Internal spindle cooling
- Tool magazine from up to 60 positions
- Heidenhain measuring scales
- Head magazine
- Tool measuring probe
- Workpiece measuring probe

| TECHNICAL SPECIFICATIONS | | GMM 200 CNC | GMM 250 CNC | GMM 300 CNC | GMM 400 CNC |
|--|-------------------------|--|--|---|--------------------|
| Table | | | | | |
| Width of table for workpiece clamping | mm | 2000 | 2500 | 3000 | 4000 |
| Length of table for workpiece clamping | mm | 4000 / 6000 ¹⁾ / 8000 ¹⁾ / 10000 ¹⁾ / 12000 ¹⁾ | | | |
| Max. load of table | ×10 kN / m ² | 4 | | | |
| Gantry (moveable) | | | | | |
| Gantry travel (X axis) | mm | 5000÷13000 ²⁾ | | | |
| Clearance between columns (Y axis) | mm | 2550 | 3050 | 3550 | 4550 |
| Clearance between cross rail and table (Z axis) | mm | 2000 | | | |
| Milling railhead | | | | | |
| Ram stroke | mm | 1500 | | | |
| Power of motor | kW | 37 | | | |
| Clamping taper | | SK 50 | | | |
| Drive of axis | | | | | |
| Axis X / Y / Z | | AC - digital drive | | | |
| Continuously variable feed rates (standard execution): | | | | | |
| table (X axis) | mm/ | 1 – 15000 | | | |
| railhead (Y axis) | min. | 1 – 15000 | | | |
| ram (Z axis) | | 1 – 12000 | | | |
| Machine tool overall dimensions | | | | | |
| Length | mm | 8800 ³⁾ | 8800 ³⁾ | 8800 ³⁾ | 8800 ³⁾ |
| Width | mm | 8500 | 9000 | 9500 | 10500 |
| Height | mm | 6600 | | | |
| Milling & drilling heads | | | | | |
| Type | | Straight | Angular | Universal | |
| Parameters | |  |  |  | |
| | | Max. spindle torque: 2000 Nm | Max. spindle torque: 2000 Nm | Max. spindle torque: 1250 Nm | |
| | | Max. spindle speed: 4000 / 6000 rpm | Max. spindle speed: 4000 / 6000 rpm | Max. spindle speed: 4000 / 6000 rpm | |
| Tool magazine (optional) | | | | | |
| Type | | chain | | | |
| Number of tools | pcs. | 40 / 60 | | | |
| Max. tool diameter (adjacent free space) | mm | 125 (210) | | | |
| Max. tool weight | mm | 18 / 20 | | | |
| Max. tool length | mm | 350 | | | |

1) – Length of table to be agreed upon (every two meters up to 12000 mm).

2) – Range depending on the table length.

3) – For 4000 mm length of table. The length of machine tool increases in direct proportion to the length of the table

Some of the above data can be altered to meet the Customer requirements.
Above data are subject to change due to product development, without prior notice.