

# CNC Machine

with servo controller

**EuroMod®**


Figure: **EuroMod**  
with milling spindle  
and open sliding door

## General

**EuroMod®**-CNC machines are set-up modular, with high operating comfort for a multitude of automatable tasks at an ideal price/performance ratio.

The basis is a sturdy aluminum steel frame with linear units. The clearance free ball screw used in the linear axes ensure high precision, accuracy and quiet running.

**EuroMod®**-CNC machines are available as compact units in 4 standard sizes with traverse paths of

$$\begin{aligned} X &= 650 / 1,000 \text{ mm,} \\ Y &= 300 / 450 / 650 / 1,200 \text{ mm,} \\ Z &= 250 \text{ mm} \end{aligned}$$

in open and closed design with sliding door and transparent cover.

The DC servo motors for the 3 axis (max. 5 axis) are ideally adjusted to the mechanics, control and software.

The controller of the **EuroMod®** with safety circuit and zero speed monitor is located at an integrated control cabinet. Operation is via a control panel with 17" monitor with touch-screen, keyboard and mouse.

On the **EuroMod®** the portal area is fixed and the thereon attached workpiece is attached on the movable machining table.

For all CNC machines (standard color: grey) extensive accessories and software applications as well as designs with larger traverse ranges are available.

Technical specifications subject to change.

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**EUROMOD<sup>®</sup>**

### Applications

**EuroMod<sup>®</sup>**-CNC Machines are the basis for the set-up of machines for:

- Drilling and milling
- Assembling and mounting
- Imprinting and engraving
- Metering and Fastening
- Buring and polishing
- Forming and modeling
- Bonding and casting
- Soldering and welding
- Measuring and testing
- Scanning and scaling
- Sawing and cutting
- ... etc.

### Options

For **EuroMod<sup>®</sup>**-CNC Machines special devices and tools for different requirements and applications are available:

- Drilling and milling spindle
- Frequency converter
- Tool changer
- Cooling/spraying device
- Rotary unit
- T-Groove table milled
- Extraction
- Protective cover

- Vacuum clamping plates
- Pneumatic accessories
- CNC Joystick
- I/O Module
- Applications
- Direct drives

We are able to design and manufacture special machines.

### Technical specifications

|  | <b>EUROMOD</b><br>MP 30   | <b>EUROMOD</b><br>MP 45 | <b>EUROMOD</b><br>MP 65 | <b>EUROMOD</b><br>MP 120 |
|--|---|-------------------------|-------------------------|--------------------------|
| <b>Traversing range X/Y/Z</b><br>(mm)  | 650/300/250   | 650/450/250             | 1000/650/250            | 1000/1200/250            |
| <b>Table clamping area WxD</b><br>(mm) | 900x350   | 900x500                 | 1,200x700               | 1,200x1,250              |
| <b>Opening</b><br>(mm)                 | 350   |                         |                         |                          |
| <b>Dimensions WxDxH</b><br>(mm)        | 1,160x800x1700  | 1,160x1,110x1,700       | 1,480x1,510x1,700       | 1,480x2,610x1,700        |
| <b>Guides</b>                          | Linear units with precision steelshafts<br>and ball circulation skid, clearance free adjustable   |                         |                         |                          |
| <b>Process speed X/Y/Z</b><br>(mm/s)   | 250   |                         |                         |                          |
| <b>Repeat accuracy</b><br>(mm)         | ≤ 0,02  |                         |                         |                          |
| <b>Drive motors</b>                    | DC servo motors, 48 V   |                         |                         |                          |
| <b>Drive elements X/Y/Z</b>            | Ball screw assemblies<br>adjustable backlash-free   |                         |                         |                          |
| <b>Control</b>                         | CAN controller iMC with 3 drive regulators<br>CAN PC (computer with I/O module)<br>safety circuit with zero speed monitoring<br>Power supply 48 V / 1,000 W |                         |                         |                          |
| <b>Operation</b>                       | CNC Control Panel 17" mit Touchscreen, Tastatur und Maus  |                         |                         |                          |
| <b>Weight (kg)</b>                     | approx. 250   | approx. 280             | approx. 375             | approx. 475              |
| <b>Software</b>                        | Windows, ProNC, isy CAD-CAM   |                         |                         |                          |
| <b>Item no.</b>                        | <b>275133 33665</b>   | <b>275143 33665</b>     | <b>275153 33665</b>     | <b>275163 33665</b>      |

Technical specifications subject to change.