

CNC Machine

with servo controller



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

X = 650 / 1,000 mm,
Y = 300 / 450 / 650 / 1,200 mm,
Z = 250 mm

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.

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EUROMod[®]

systems

Applications

EUROMod[®]-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**[®]-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

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

Technical specifications subject to change.

 Updated information available at www.systems.isel.com