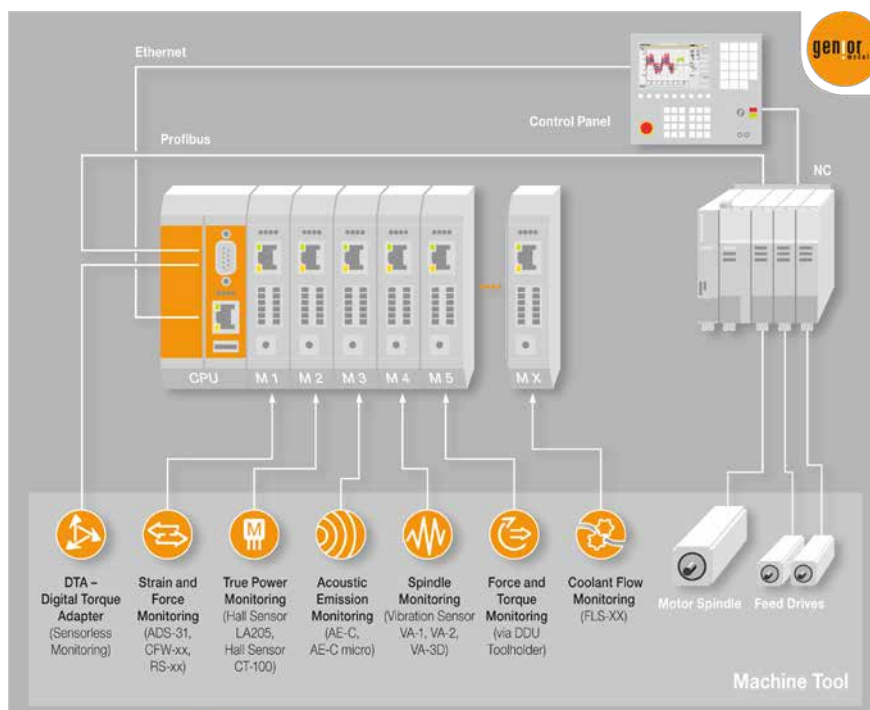




## Special Features

- Monitoring system for machine tools in serial production lines
- Supported interfaces: Profibus, Focas 2, Profinet, parallel wiring
- Monitors tool breakage, missing tools, tool wear, Adaptive Control (AC)
- Monitors up to 10 NC-channels
- Up to 8 additional sensors connectable
- Max. 24 signals
- Sample rate adjustable (min. 2 ms, typical 10 ms)

## TOOL & PROCESS MONITORING GENIOR MODULAR BASE MODULE



## Modular System

Genior Modular is a fully automatic system for process-monitoring and -control for machine tools in metal cutting.

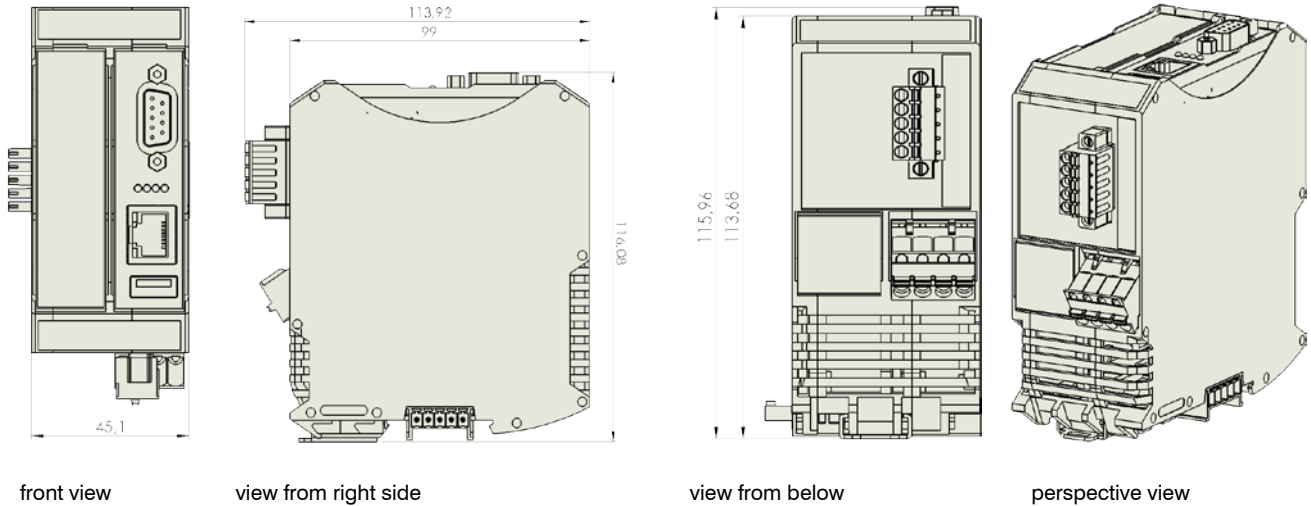
Genior Modular captures the necessary measurement data digitally via the base module GEM CPU-02-DP/F. For special monitoring tasks, the system may also be operated with different sensors and corresponding measuring transducers.

### Measuring transducers for:

FM-01	Force, strain and coolant flow ± 10 V, 4...20 mA
TP-01	True power
AM-01	Acoustic emission
VM-01	Vibration and acceleration
VM-02	Vibration and acceleration, collision monitoring
TF-01	Torque and axial force
IO-01	Input/output converter

# Genior Modular Base Module

GEM CPU-02-DP/F



<b>O830Z510004</b>	
Dimensions	see drawing
Weight	243 g
Material	Polyamid PA 6.6
Storage temperature	-20 °C...+60 °C
Operating temperature	0 °C...+50 °C
Flammability class	VO (UL94)
Rel. humidity	5 – 85 % no condensation
Degree of protection	IP20
Contacting	Spring terminals, in-rail bus connector
Installation	Mounting rail acc. to DIN EN 60715
Voltage supply	24 V ±20 %
Nom. current consumption	max. 500 mA
Ripple	max. 5 %
Interfaces	2 x ARTIS CAN-Bus 10/100 Base T Ethernet USB Host Profibus up to 12 MBits/s
Control requirements	Profibus or Focas or Profinet or inputs/outputs for parallel wiring

Control types (examples)	Siemens 840D SL, Fanuc, Bosch-Rexroth etc.
Conformity	CE

<b>Licence codes for additional Genior Modular functions (order separately)</b>	
<b>GEM DTA-DP OCMZ5100004</b>	Licence code for activating the sensorless torque monitoring
<b>GEM C OCMZ5100005</b>	Licence code for activating one additional monitoring channel
<b>GEM F-AC OCMZ5100003</b>	Licence code for activating the Adaptive Control AC
<b>GEM F-WEAR OCMZ5100002</b>	Licence code for activating the wear monitoring

<b>Supported components</b>	
Cable Ethernet (CO) (Code see cable lengths)	Connection cable (crossover) 2 m: Code O6739797065 5 m: Code O6739797066 10 m: Code O6739797067 20 m: Code O6739797068

For a full list of address locations, please consult the Marposs official website

ODN6421EN02 – Edition 01/2018 – Specifications are subject to modifications  
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