



## The software suite for the digitalization of metal forming

***FactoryNET® 4.0 is the unique interconnection between process monitoring and production planning***

Marposs' modular MES software links the process with production planning and overarching ERP systems. It delivers real-time machine, operating, order, maintenance, quality and process data.

FactoryNET® 4.0 provides the basis for targeted optimization measures along the production chain – from preventive maintenance, process stabilization and quality assurance to resource planning.

FactoryNET® 4.0 manages plants, departments and machine groups. The information is always available on different output devices. The suite is a decisive step on the way to managing all resources in the production process. Recording and evaluation of key figures make costs and quality transparent and traceable.

### The benefits

- + Reduce set-up and downtimes
- + Act according to key figures
- + Optimize lead times
- + Enhance machine utilization
- + Store and evaluate process data

### Special features

- + Easy inclusion of devices via established interfaces
- + Platform-independent terminal software
- + Storage of the process and production data in data bases
- + Input terminals for machines with and without process monitoring

# FactoryNET® 4.0

## FactoryNET® 4.0

### Production

Automatic data collation from Brankamp monitoring devices or other machines involved in the process.

New mobile terminal input – multi-lingual and configurable.

Planning, execution, supervision and analysis – FactoryNet® 4.0 offers an all-in-one package.

### Quality

Quality controls at the right time – customizable and flexible with automatic recording of measurement results.

Required activities due to set-up, tool changes or predefined stops will be triggered automatically.

Direct access to external CAQ systems.

### Maintenance

User friendly. Preventive. Corrective.

Minimize machine down-times by means of clever planning and prevention.

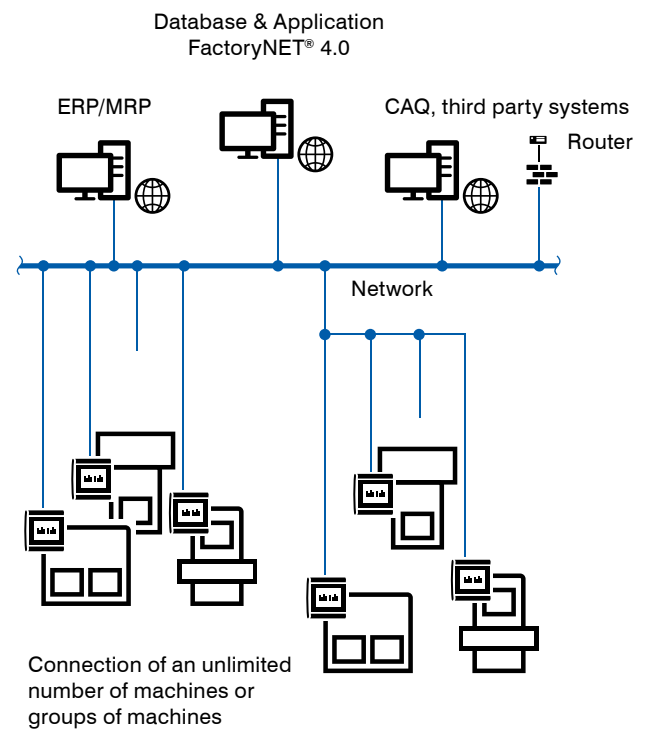
Record all maintenance activities with FactoryNet® 4.0: personnel, spare part consumption, repair, duration and costs.

# All data resources centrally linked and available at any time

The interconnection with process monitoring provides the production planning with well-founded and detailed information which is not available to conventional production control systems.

The interconnection supports the automatization of workflows, the generation of reports, the identification of error aggregation, the minimization of set-up times and the optimal planning of intervals for orders or maintenance.

- Production costs and quality are always transparent and traceable through the statistical recording and evaluation of performance indicators
- Individual reports improve the overview
- Foreseeable bottlenecks are displayed automatically and on time
- Process-related data are documented without gaps as a basis for time and cost optimization



## Resources

Manage and localize your resources from the very beginning to the very end of the production process.

Optimize set-up times by monitoring tool wear and tool stability.

Manage resources – vigilance machines, articles, production times and costs with Factory-Net® 4.0.

## Process

Live reports of single process parameters or of entire production lines.

Optimize important process parameters.

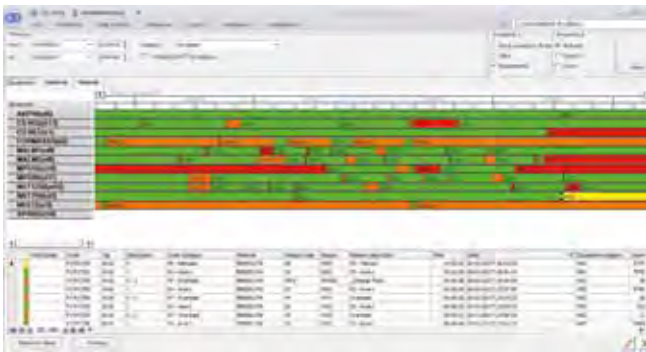
Automatic process recording enabling the analysis of stops, tool wear and other process events.

## M-Connect

Flexible interface with third party systems (ERP, MRP, MES, CAD, CAQ, and further applications).



Real-time overview of the machine condition.



Stop and go, runtimes, downtime.

## FactoryNet 4.0 allows you to do as follows:

- Bundle the expertise of all people involved in the process and make it available at any time
- Access digital documents and other sources (ERP, MRP systems, etc.)
- Monitor production cycles, processes, quality as well as resources available and required
- Make the added value transparent
- Depict the flow of information in real time
- Access key production figures and overall equipment efficiency (OEE) analysis at the touch of a button

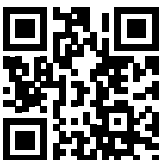
## THE MACHINE'S HARDWARE



All process monitoring units in the X-series are fitted with an MES-interface.



The T1 input terminal for machines without process monitoring.



www.marposs.com

ODN6B11EN00 Edition 3/2018 – Specifications are subject to modifications.

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