

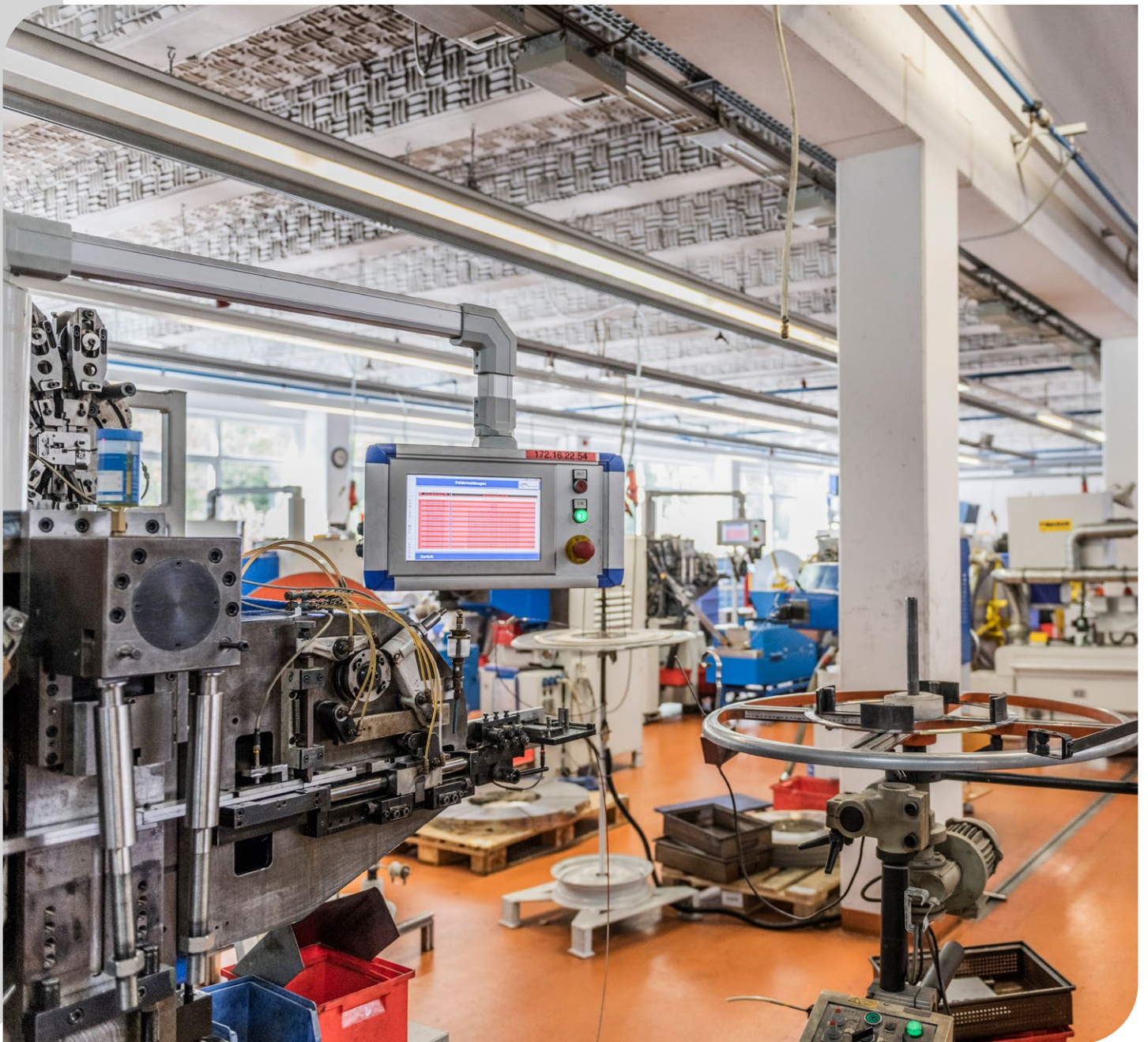
EMC.Dashboard

Meaningful dashboards for production in real time

From digital data to central production metrics - **shopfloor management for everyone, everywhere**. With the **EMC.Dashboard module**, you optimize your **processes through more transparency** directly at the industrial workplace. Collect data from a wide variety of data sources, evaluate it, and **visualize dashboards for every employee and individual target groups** via large manufacturing monitors. Simple, decentralized and flexible. This gives you **perfect control and optimization** over quality, resources, time and costs.

Status Quo

Who has the overview?
What runs when? Where? How?



EMC.Dashboard

Intelligently merge important data and visualize it in real time



Keeping an eye on manufacturing at all times - whether in production, toolmaking or management. In the digital factory, **meaningful dashboards** with real-time production data solve this task.

Via **large production monitors**, for example, these dashboards can be displayed exactly where and with exactly the information that is relevant for the respective work area.

This allows you to **identify machine downtime, reduced speed, quality losses, and equipment malfunctions at a glance**, enabling timely intervention in the event of grievances.

In addition, they help you **monitor key production metrics effectively and easily**.



EMC.Dashboard Basic

Large-screen information for the shopfloor



With the **EMC.Dashboard module**, **target group-specific and individually configurable dashboards** can be created in real time on the basis of the captured production data and visualized, for example, via a production monitor, a PC or a mobile device.

KPI visualization (machine statuses, causes of downtime, order progress, production performance, etc.) **on large screens** makes it possible to **identify grievances in good time and make quick decisions on the shopfloor**. Dashboards with forecasted job endings, shift quantities, and material consumption ensure **predictive manufacturing** and **indicate deviations from plan ahead of time**.

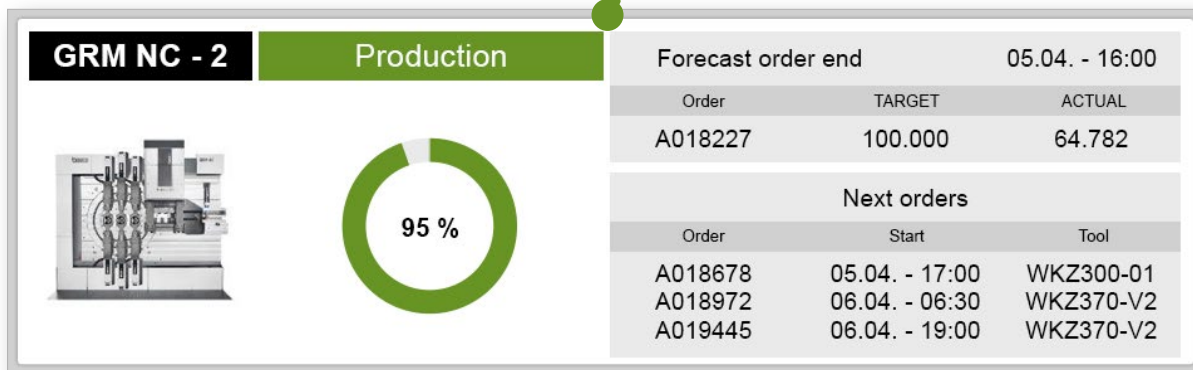
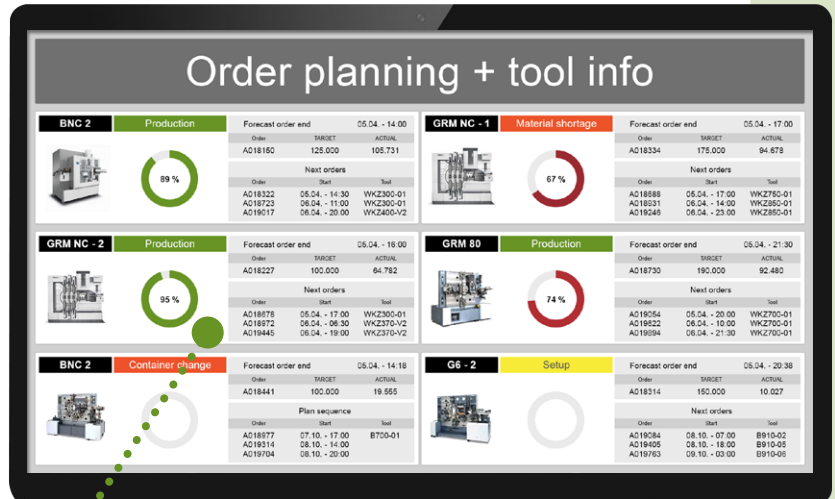
The **EMC.Dashboard module** visualizes **important and valid manufacturing data in real time**, providing a **better assessment of the shopfloor**. Providing this information increases responsiveness and supports the self-organization of the production team.



Order planning

The order planning dashboard informs the production team about the **current and following orders on the machines**. The target and actual quantities are displayed directly for the current order. Machine states are visualized and the OEE value is continuously determined. The planning sequence informs about the planned start of the following orders and their expected end.

Order information: You can communicate important information via the integrated information field.



Shift forecast

Easy-to-grasp and comprehensible key figures that the employee at the machine understands. The production team is informed about the **target shift quantities** to be produced **right at the beginning of the shift** by means of a shift quantity dashboard.

By displaying the shift forecast, it is possible to **see very quickly whether the planned shift quantities can be achieved, taking into account the actual shift quantities and the previous conditions**. This information is supplemented by details such as machine status, order, article, target/actual per minute and output.

Shift information: Leave important information for the following shift!





EMC.Dashboard Advanced

Informative und concise dashboards for the management

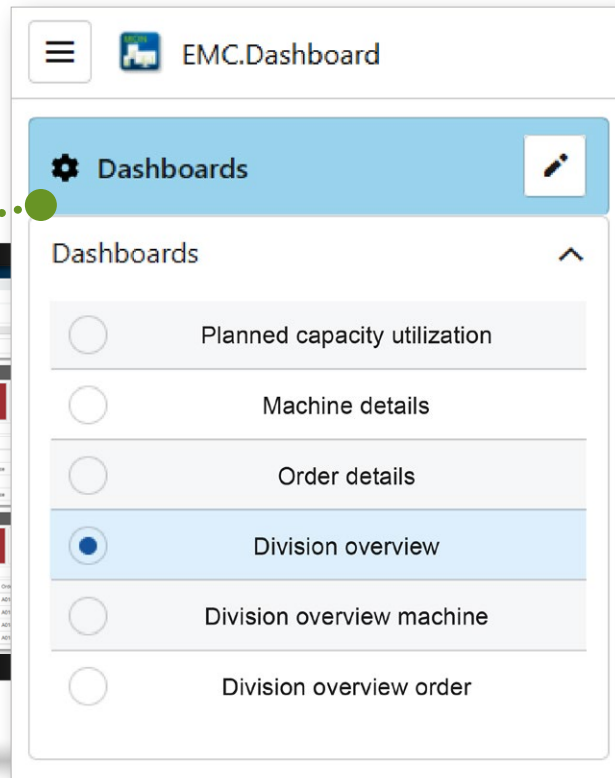
You can **configure and prepare your dashboards individually according to your needs**. For example, the following characteristic values and information can be displayed via dashboards:

Order	Performance	Shift values	Quantities	Planning
Order number Operation	Target performance	Target quantity for current shift	Target quantity	Next planned orders in the plan sequence
Article number Article name	Actual performance	Produced quantity within the shift	Good quantity	Expected order end
Order status	Shift performance	Forecast: Expected quantity at end of shift	Reject quantity	Planned order end
Interruption level	OEE value	Quantities of the last shift	Target progress quantity	Remaining duration
Machine name	Productivity		Residual quantity	
Employee	Efficiency			

All dashboards created with EMC.Dashboard Advanced can also be displayed on production monitors on the shopfloor.

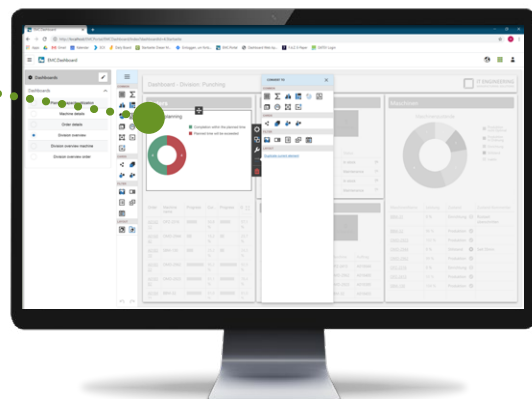
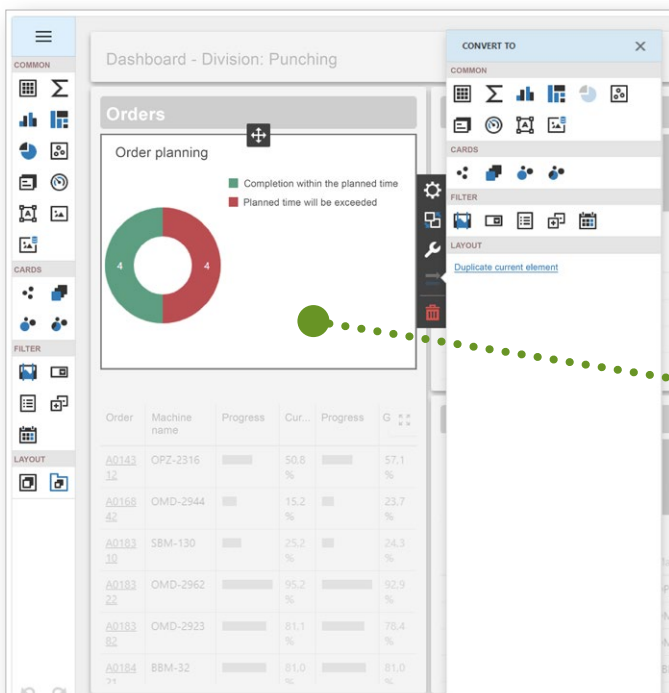
Selection

In the **EMC.Dashboard Advanced module**, multiple dashboards can be created, visualized, and accessed for different departments or topics.



Edit Mode: Custom configuration

In edit mode, you can **configure and design your dashboards individually**. Simply select the desired elements from the numerous templates, define colors and content and create dashboards completely **according to your wishes and requirements**.

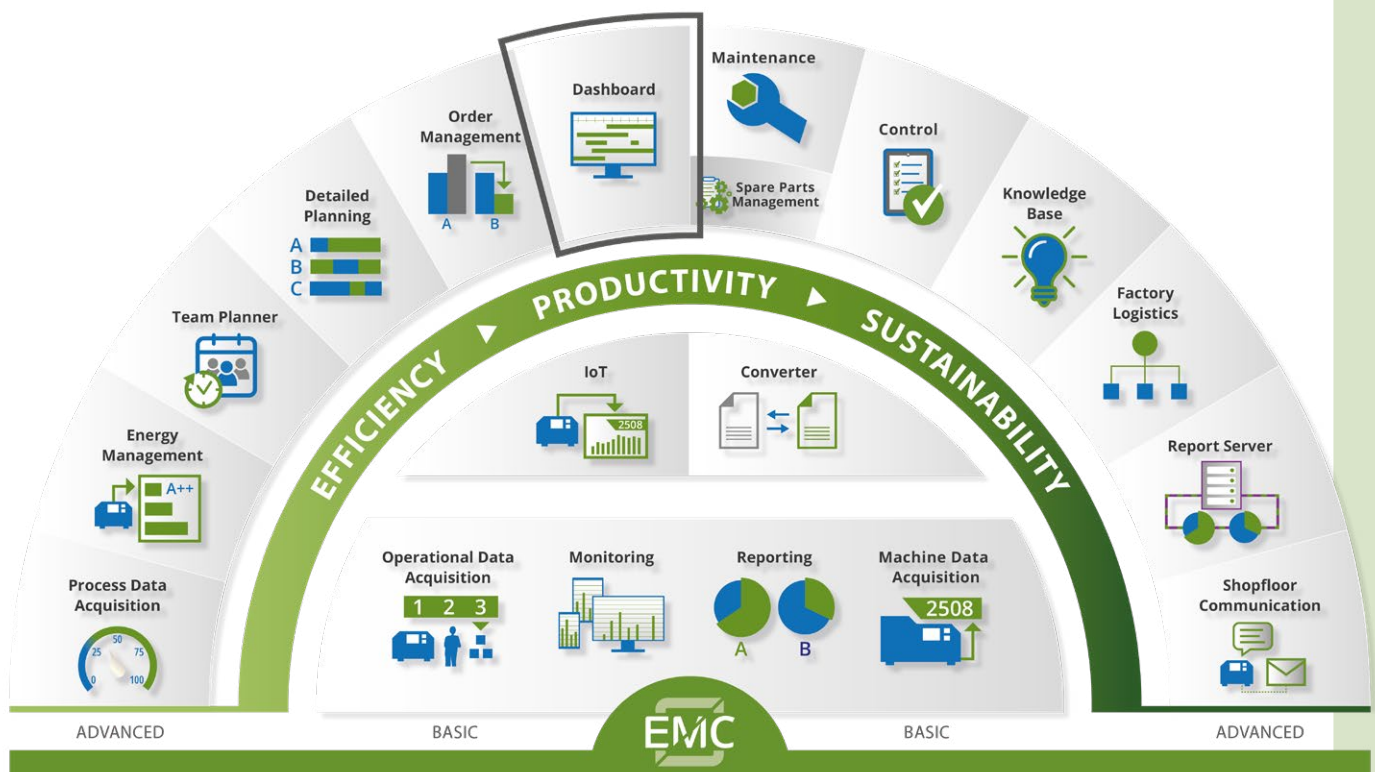


MES Software EMC

The solution for your smart networked manufacturing

Our user-friendly MES Software EMC controls all digital processes on the shopfloor **from planning, implementation, maintenance to traceability, shipping, production orders and a sustainable evaluation.**

It adapts completely to your needs, integrates into your existing IT landscape and brings together the data streams from ERP and the shopfloor.



The **modular architecture** of the MES Software EMC offers you the important **freedom and flexibility** in the implementation of your future-oriented production. Together with the **central MES database**, it is the basis for a **customer-oriented implementation - step-by-step or holistically - individual modules or as a complete system.**

No matter which solution you choose, with EMC you are always one step ahead and have the **best possible transparency** in production. All with the aim of **increasing your efficiency.**



iT Engineering Manufacturing Solutions GmbH is your provider of a well-developed Manufacturing Execution System in production management.

As an IT and MES expert in the metal forming industry and thanks to our large network of partners and memberships in associations (including VDFI and netzwerkdraht e.V.), as well as the best contacts with machine manufacturers, we know exactly how to obtain the important data and how to use it to digitalize processes and thus increase efficiency and productivity in manufacturing.

Our MES Software EMC acts as a central information hub and, by integrating the production data, ensures integration of production data for transparent production processes, flexibility and cost efficiency.

With a high level of technical and industry competence as well as many years of experience and expertise, we accompany you personally and step by step in transforming your production into a digital factory.

iT Engineering Manufacturing Solutions GmbH

Jusistraße 4

D-72124 Pliezhausen

Phone +49 (0) 7127 9231-10

info@ite-ms.de

www.ite-ms.de



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