

Systematic, transparent and comprehensible.

HOMAG Group AG
info@homag.com
www.homag.com



YOUR SOLUTION

Our Software for Data Recording and Evaluation
MMR – Machine Monitoring and Reporting

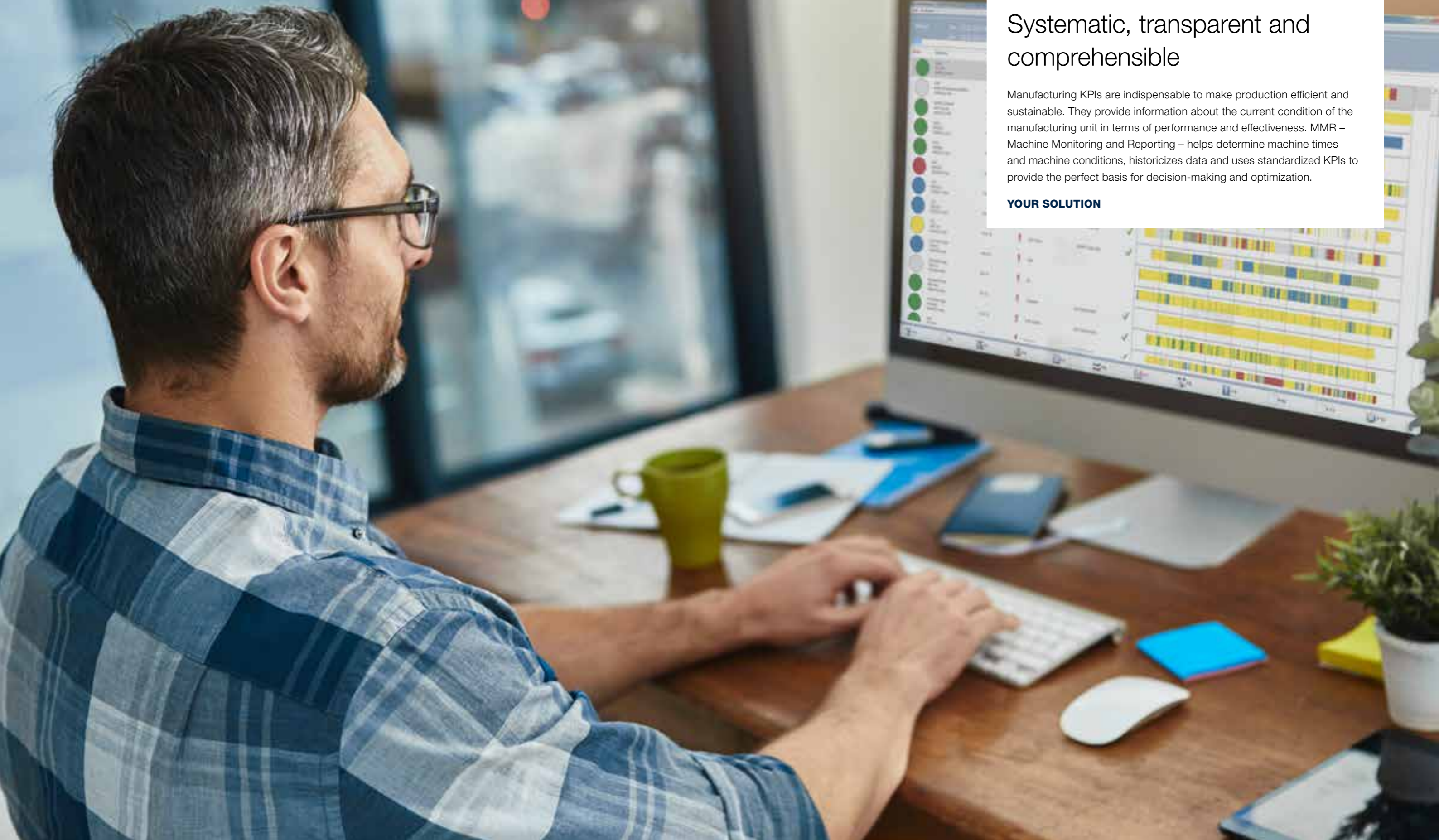
YOUR SOLUTION



MMR - Systematic, transparent and comprehensible

Manufacturing KPIs are indispensable to make production efficient and sustainable. They provide information about the current condition of the manufacturing unit in terms of performance and effectiveness. MMR – Machine Monitoring and Reporting – helps determine machine times and machine conditions, historicizes data and uses standardized KPIs to provide the perfect basis for decision-making and optimization.

YOUR SOLUTION



Data recording: systematic

MMR systematically collects and records production data directly off the machine. The operator can then complement this data with additional information. This saves precious time, helps avoid measurement errors and enables you to focus on essential things.



1 MMR Basic

Production data and machine conditions are recorded automatically and saved directly in the MMR database for up to two years. For example, the number of produced work pieces, machine operating time, running meters of trimmed edges, number of cuts and cycles and maintenance information are recorded as day counters and absolute counters.

2 MMR Professional

In addition to the functions of MMR Basic, it is possible for the operator to manually add further information. This improves data quality, because machine conditions are explained, shifts/daily production outputs are recorded and named, KPIs and machine conditions are evaluated and fault messages are displayed.

3 MMR Office

MMR Office is a software with different report types for the decision-oriented visualization of KPIs and conditions. It enables you to evaluate and transparently analyze data. By saving all data centrally in the MMR database, additional KPIs, such as utilization ratio, OEE, etc., can be generated.



Optimum basis for decision-making

With MMR, you always have your KPIs under control. Systematic data recording and decision-oriented visualization of the machine conditions and KPIs allow you to use these optimally as a comprehensible and production-wide basis for decision-making.

Evaluations: transparent and comprehensible

Identify optimization potential in manufacturing and increase productivity and output with MMR, which gives you a variety of evaluation options. You can compare machines or entire shifts, detect excessively long downtimes and maintenance times and create a basis for decision-making, e.g. for procuring new machines based on machine utilization. And all of this happens in a transparent and comprehensible manner.

The benefits:

- More transparency: You always have an overview of the current level of production
- Comprehensibility: Comparing machines and shifts allows you to optimally utilize production equipment.
- Identifying potential: Optimization potential is detected by systematically recording and evaluating data.
- Optimum basis for decision-making: Production KPIs are used as a comprehensible and production-wide basis for decision-making.



Key Performance Indicators

All relevant machine data at a glance: This helps you keep track of manufacturing. The line overview, which shows the development of all machine conditions and main KPIs, allows you to easily and systematically compare several machines. The line overview provides an answer to the question: „How do I get an overview of all machines and can still select the details of every machine?“



Performance monitoring

This performance overview provides an answer to the question: „Does this machine behavior seem strange and do I need to look at this machine in detail?“ Having the latest condition displayed as well as the general KPIs and performance data of each individual machine allows the operator to easily monitor and rate the machine based on customer-specific target limits.



Interval comparison

„How do I evaluate the performance of a machine over a certain period of time?“ The interval comparison helps provide an answer to this question. A machine can be monitored and rated over a defined period of time, like shifts, days or weeks.



Identifying optimization potential

The Gantt chart helps identify optimization potential. It provides an answer to the question: „What was the machine's condition at a certain point in time?“ The graphic representation enables operators to compare all machines at a glance.



Failure Reporting

The early diagnosis of required maintenance and technical failures helps minimize downtimes and identify sources of faults. The failure analysis provides an answer to the question: „What differentiated statements can be made on the basis of the line's individual components?“