WELCOME TO THE DIGITAL FACTORY

schertech
smart industry solutions

Manufacturing Execution System (MES)

The Manufacturing Execution System (MES) is software for the digitalisation of production. It connects the production machines with the activities of the employees and records information about what is happening everywhere in production in real time.

The MES system creates competitive advantages:

Lower cost through higher productivity: electronic production data collection saves time and thus costs. All events in production, order progress and resource availability can be tracked at any time, shortening response times.

Higher adherence to schedules through faster responsiveness and reduced throughput times. A powerful planning and control tool optimises the utilisation of machines and employees. Planning scenarios can be calculated much faster and goals can be achieved faster.

Higher quality thanks to knowledge of the current production status, any faults can be dealt with immediately. In the long term, technical process reliability is improved, as is product quality.

What makes Schertech MES unique

Developed by production employees

Our MES system was developed in companies with series production, based on the typical needs in production. The software is used on a daily basis in production companies, and is constantly optimized.

Industry-independent

Schertech MES is suitable for all companies with series production environments. Extensive parameterisation of the software ensures adaptation to a wide range of production realities. Of course, connection to all ERP systems is ensured.

Lean management

We do not start with the technology, but with the organisation. Schertech MES builds on proven concepts such as Toyota Production System, 5S, Lean Management and Kaizen. We do not just sell a software, but instead tools for developing an efficient production culture.

Simple and intuitive operation

Schertech MES is easy to use, providing a full overview for everyone from production line employees to senior managers.

Broad functionality

The modular software offers not only the standard functions of a MES, but also important functions for quality, planning, document management, logistics and task management.

Fast implementation at reasonable cost

Low implementation effort of 2 to 3 months
- Collection of customer-specific requirements
- Installation of hardware and software
- Connection to the ERP system
- Training of employees
- Adaptation of the modules

Save Time

Information in Real Time

Paperless Work

Less Emails and Excel Lists

Daily work with Schertech MES:
How your employees benefit from it.

Feedback from interviews with users.

Production Manager

- Everything at a glance: which machines are in operation and why?
- Key figures cockpit: quality, productivity machines/employees, delivery reliability
- Reliable data collection of quantities, staff hours and downtimes
- Errors/disruptions from the night shift fully documented
- Shift report helps to react directly
- Real-time process monitoring
- Simple document management
- No more paper, everything is available digitally
- Quality status visible at all times
- Clear production planning
- TPM Cockpit: visibility of maintenance measures
- Occupational safety: overview of the number of accidents, corrective measures and status of occupational safety training
- Lean management: further development of production via transparency, improvement management, Pareto evaluations, mapping of regular meetings with key figures, measures
- Efficient distribution and tracking of tasks

Process engineer

- Constant overview of whether processes are stable
- Errors are repeated less often, no more searching through shift reports
- Easy training of employees through the training tool: Training documents are distributed digitally, reading status is traceable
- Statistics for reasons for rejects
- Process monitoring through digital checklists

Foreman

- Fast handover between shifts
- Shift report provides an overview of the entire history
- Errors from the last shift do not have to be searched for a second time
- Process monitoring: immediately recognise when there are deviations in important parameters
- Shortened downtimes
- Lean management: 5S status
- Automated request to carry out maintenance measures
- Digital checklists replace a flood of paper
- Orders for maintenance and repairs are sent quickly via the software and are traceable

Maintenance Manager

- All data available centrally at the click of a mouse
- Shift report for fault management
- Improvement status becomes visible
- Time saving through digitalisation
- Transparency: the data is available to everyone
- Automatic request to carry out maintenance measures
- TPM (Total Productive Maintenance) plans mapped with processing status, digital checklists

Machine Operator

- Automatic recording of quantities, hours and malfunction times (no more manual maintenance)
- Simple logging in and out, remaining leave and overtime can be called up at any time
- Overview of instruction documents (e.g. occupational safety)
- Quick and easy access to relevant documents
- Important checklists at your fingertips with one click
- Shift report can be viewed at any time

Plant Manager

- Cost savings through higher productivity and more efficient organisation
- Constant overview of what is happening in production
- Overview of open measures and responsibilities
- Functioning regular meetings at all levels with key figures and measures
- Modern organisation with high data transparency
- Reports and reliable key figures at any time at the push of a button
- Further development of lean management becomes visible
- Occupational safety: overview of the number of accidents, corrective measures and status of occupational safety training
- Quality management system completely mapped via the software

Quality Manager

- Consistent document management for ISO 9001, ISO 50001, ISO 14001, IATF, etc.
- Simple document search, always the latest version in view
- Paperless production, digital checklists
- Always up-to-date and valid documents at the machines
- Shift report with comprehensive information
- Production quality status can be viewed at any time and any place
- Tracking of measures from control meetings via TaskVisu, status of processing can be tracked
- Transparency of data and time saving in daily work
- Process monitoring

Setup Team

- Setup preparation clear via planning module
- Simple documentation of tool problems
- All documents centrally available and assigned to articles, everything digital and in the latest version
- Errors can be identified in the shift report
- Overview of all machines being set up
- Tools are automatically reset
- Changes and improvements are entered via the software and implemented immediately

Planner

- Planned set-up sequences clear and communicated everywhere
- Up-to-date feedback on planning changes through rule communication
- Digital production plans constantly up-to-date and digitally distributed
- Simple control of planning changes

Tool Maintainer

- Tool defects are fully documented in the shift report
- Tool maintenance can be defined via maintenance plan (TPM)
- Clear production plans for tool planning
- Convenient planning tool for tool maintenance
- Traceable history of faults in production

My Vision of the Digital Factory

All machines, tools and methods we use in our company ultimately serve to maintain competitiveness and ensure the long-term success of an enterprise. Often there are a few company decisions that lead to success or failure, but almost always the interactions, expertise and skills of the employees are decisive for establishing and maintaining success.

The aim of digitalisation is to dramatically enhance the expertise, skills and agility of all employees, from machine operators to senior management. An unprecedented simplification of all administrative activities in production takes place, data on production processes is available in real time, and the quality of communication between employees, teams and management is radically transformed. The focus is on processes that actually create value, with striving to achieve waste-free production and stable processes coming to the forefront.

„Schertech MES is more than just software."

The underlying vision in the development of Schertech MES is that it is a tool for the digitalisation of production, for the creation of complete transparency, for the visualisation of waste, for the development of lean culture, and for the evolution of the entire production culture.

Schertech MES is not simply a tool for data collection and evaluation, but instead makes a key contribution to the development of the company, elimination of waste, and continuously supporting the competitiveness of the company.

Theodor Scherer
Founder & CEO

About Us

Schertech is a brand of SCT Technology, a member of the Scherer Group. Innovative strength and strong expertise in production, mould making, process solutions and software development characterise the group. The companies produce a wide range of consumer goods, technical components, products for the automotive industry as well as software solutions for production companies. Our daily thinking and actions are driven by the desire to achieve the highest possible productivity and quality.

SCT Technology GmbH
Bastioni Minori 2
39042 Bressanone (BZ), Italy

www.schertech.com
info@schertech.com
+39 0472 970 333

Schertech GmbH
Heinenstraße 9-15
53902 Bad Münstereifel, Germany

www.schertech.com
info@schertech.com
+49 2253 3120

Our Partner

Automation and automation of processes
A.M.Tech Srl
Via die Mulini 156
I-25039 Travagliato (BS)
T. +39 030 6862067
info@amtech.it
www.amtech.it