



MES-360

OPTIMIZE YOUR LABS DAILY PROCESSES & LEVEL
UP PRODUCTIVITY

MES-360

MANAGE YOUR PRODUCTION IN REAL-TIME

MES-360 manufacturing execution system, collects, digitizes and provides real-time feedback of what is happening on the manufacturing floor for each machine and production process. The data is then used to optimize productivity and increase competitiveness for every lab.

Labs using Satisloh's MES-360 benefit from a comprehensive production overview, with real-time data. The information allows for in-depth evaluation of each process step, identifying trends, correcting mistakes, and optimizing job routing. As a result lab managers and other production operators are able to take decisions that can significantly impact the efficiency, effectiveness and quality of product in the plant.

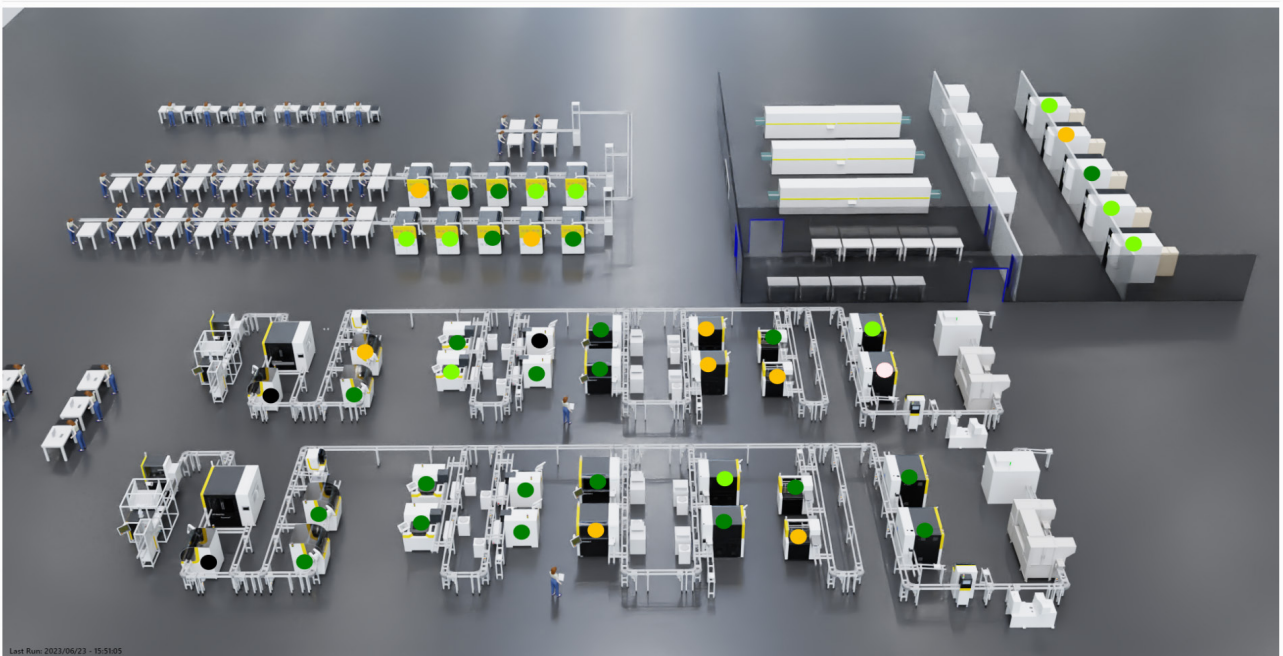
Satisloh's MES-360 is designed as an open system that can connect to machines from various manufacturers. This ensures seamless

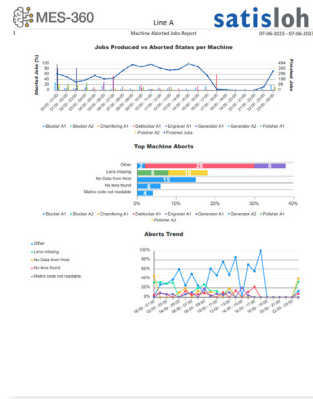
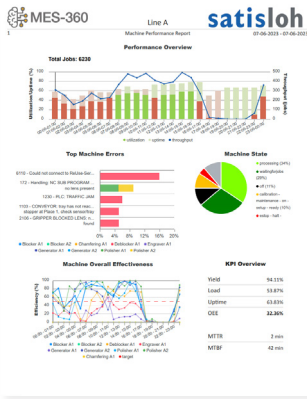
integration and data exchange between Satisloh's equipment and those from other manufacturers, providing a unified platform for comprehensive production management.

MES-360 is build with in mind, allowing it to interface with most Laboratory Management Systems (LMS) and Enterprise Resource Planning (ERP) systems commonly used in labs. This compatibility ensures smooth communication and data synchronization between MES-360 and existing software infrastructure, eliminating the need for complex and time-consuming integration processes.

MES-360 Lab Overview Live update dashboard, shows live status of each equipment in the lab

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
Reporting functionality with high level overview of the most important KPIs




MES-360 Coating Batch, tracks lenses during the coating process

FUNCTIONALITIES

- **Real-time Production Monitoring of the lens manufacturing process, including machine status, productivity, & quality control parameters.** This allows labs to detect and correct errors before they become major issues, improving product quality, consistency and yield.
- **Customizable Workflows** to meet the specific needs of the lab production environment. Includes setting up rules for job routing, tracking, & job priority handling with Satisloh's Integrated Smart Conveyor.
- **Quality Management** with a wide range of quality control tools to ensure each lens meets the required specifications. Includes inspection & testing tools, allows for lens measurement during different production steps and works with automated inspection machines.
- **Machine Integration** links production machine (Satisloh & 3rd party) and hardware for seamless data transfer and integration with other workflows. This provides greater flexibility and scalability in the production process.
- **Data Platform** for data collection and advanced analytics tools, allowing users to evaluate production data & identify trends or patterns that contribute to issues in the production process. This helps labs optimize their production processes and improve overall efficiency.

BENEFITS

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Production Efficiency - Monitor your lens production processes in real-time to quickly and effectively identify and correct issues, increasing efficiency and enabling traceability.
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Quality Control - Detect & correct issues before they leave your production site. Reduce the number of defective products, ensuring high-quality output.
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Machine Performance - Get reports on machine down, setup times, & other factors that impact your OEE. Make targeted improvements to your production process.

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Equipment Maintenance - Track & schedule preventive maintenance tasks. This helps prevent breakdowns and extends the equipment's lifespan, improving overall OEE.
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Waste Reduction - Analyze production data & identify areas of improvement. By identifying & addressing areas of waste, labs can reduce their environmental impact.
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Automation Transition - Conveyor control helps labs transition to full automation workflows, increasing productivity, preventing job mishandling & improving efficiency.



MES-360 dashboards, reports & real-time data can be viewed on a variety of devices in the lab or off-site via remote monitoring.

TECHNICAL SPECIFICATIONS

Server requirements:

- Physical or virtual server
- Min. 2.5 GHz, 8 core CPU
- Min. 16 GB RAM
- Min. 500 GB free space on hard drive
- Min. 1 Gbit network
- Windows server 2012 32/64 bit
- Cloud server available

Client requirements:

- PC, ThinClient, TabletPC with WIN OS
- Min. 2 GHz dual-core CPU
- Min. 4 GB RAM
- MS WIN 7/8/10 32/64 bit

OPTIONS

- Turnkey-hardware e.g. industrial PC with barcode-/ RFID-scanner and cabinet
- Barcode-/ RFID-scanner
- Handheld Device
- Tablet
- Tray localization with UWB
- Customization and individualization

All technical data subject to change without notice. Verify details with Satisloh.

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