



## Digitize and automate your production for maximum productivity

Leverage powerful MES software to optimize production, improve visibility, and meet consumer demands for flexibility and speed.

The digital transformation of production processes is essential for furniture manufacturers to remain competitive. As consumer expectations for product customization and fast delivery grow, adopting a robust Manufacturing Execution System (MES) is critical to unlocking the full potential of Industry 4.0 and IoT technologies. Insight provides manufacturers with the tools to plan, control, and optimize production while monitoring performance in real-time at the part level. Designed specifically for the woodworking industry, this solution enables the digitization of the entire production process, driving efficiency, reducing waste, and maximizing productivity.



### Purpose-built for the industry

Developed in close collaboration with furniture manufacturers, this MES solution addresses industry-specific challenges, delivering tools to streamline production processes, enhance visibility, and improve operational efficiency.

### Standalone or end-to-end

Choose to implement the MES solution as a standalone system or integrate it with existing software. This flexibility ensures seamless connectivity across your business systems, creating a unified production environment.

### Flexible workflow architecture

Adapt workflows to match unique production processes without requiring specialized programming. This flexibility ensures operational workflows align perfectly with your manufacturing requirements and business goals.

### Machine integration

Connect seamlessly with machines from nearly any manufacturer, including CNC systems and robotics. This integration allows for efficient data sharing, optimized machine performance, and enhanced production outcomes.

### Real-time production visibility

Track production performance at the part level with real-time monitoring tools. Whether on the shop floor or working remotely, gain actionable insights that enable faster decision-making and ensure consistent production output.

### Process optimization

Digitize and automate the entire production process to reduce complexity and improve overall efficiency. By leveraging advanced tools, manufacturers can streamline workflows, eliminate waste, and achieve consistent productivity improvements.

# Comprehensive MES functionalities for smart manufacturing

Explore features that transform manufacturing processes, optimize resources, and enhance operational efficiency.

## Production optimization

### MES production planning

Enable production scheduling and load balancing with tools designed to align manufacturing processes and constraints, for better cross-workflow efficiency.

### Optimization management

Maximize materials, labor, and machine capacity with automated panel optimization, increasing productivity and minimizing waste.

### Shop-floor execution

Monitor and optimize factory performance by delivering accurate manufacturing information to the right people at the right time, ensuring a 360-degree view of production.

## Resource management

### Asset management

Track and manage machine performance and maintenance to ensure optimal production uptime.

### Warehouse management

Streamline inventory and warehouse operations by integrating sales and production data across regions and plants.

### Machine integration

Connect sales orders, BOMs, inventory, and CNC machines to achieve the best material yield and production efficiency.

## Business intelligence & automation

### Business intelligence

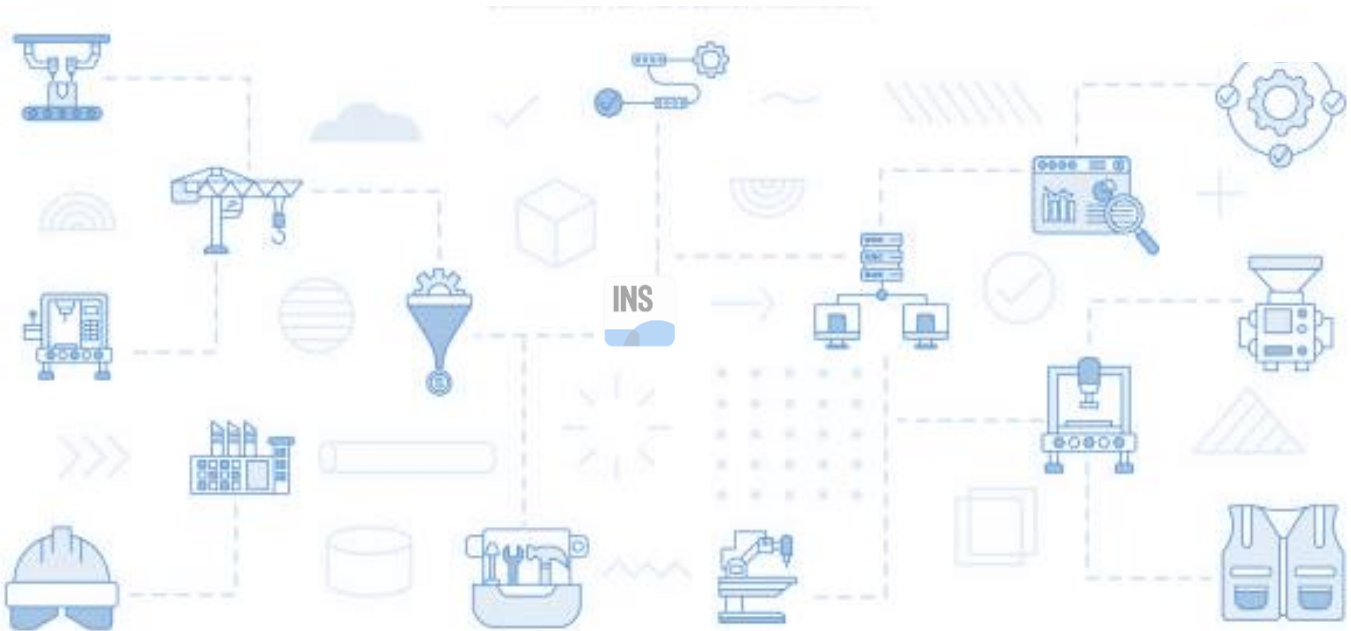
Make smarter decisions with tailored analytics and insights, helping you monitor performance and identify areas for improvement.

### Workflow and business automation

Enforce unique business processes, automate actions, and improve downstream data with a powerful workflow engine.

### Manufacturing cost accounting

Analyze labor, material, and overhead costs in real-time to track production performance and profitability.



**Ready to take your manufacturing operations to the next level?**

Discover how Insight MES can help your business streamline processes, reduce errors, and enhance customer satisfaction.

Visit [cynclly.com](https://www.cynclly.com) to learn more or schedule a personalized demo today.