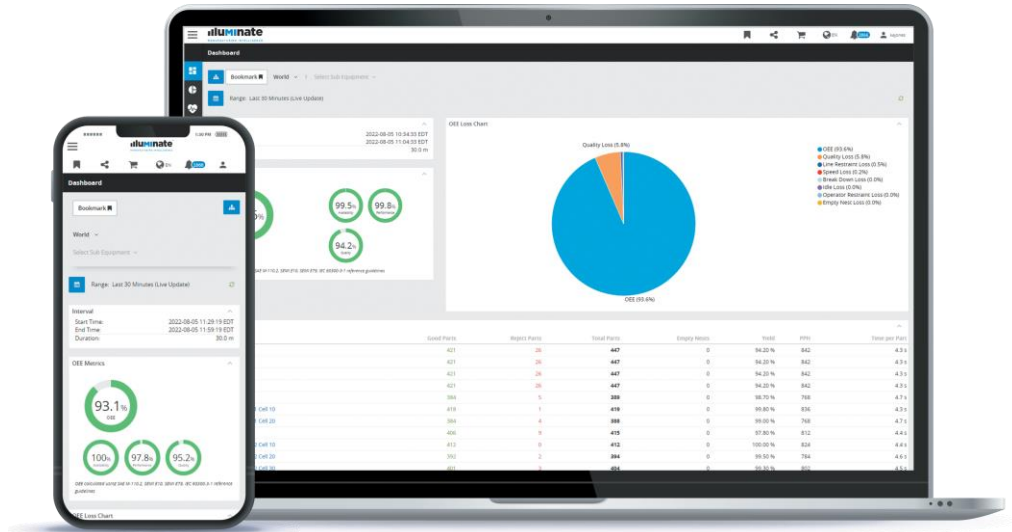# Illuminate™ Manufacturing Intelligence Software

Provides transparency into machine health to aid manufacturing performance

Benefits

- Smart manufacturing solution built for the shop floor that visualizes, analyzes, and provides pre-configured real-time dashboards and reports for OEE, faults and rejects

- Replaces hunches and tribal knowledge with data-driven decisions

- End-to-end solution that includes end-user training and post-integration support

- Meets the need of each unique manufacturing environment, regardless of the types of equipment running, the number of lines or the manufacturing footprint

Applications

- Engineering
- Maintenance
- Management
- Operations

Unlock the Potential of Your Automated Manufacturing Systems

Data is the lifeblood of industrial automation. Data-driven insights enable equipment operators and technicians to uncover opportunities for improvement and reduce risk, leading to significant gains in operational efficiency.

Illuminate™ Manufacturing Intelligence software simplifies the collection and analysis of data from automated manufacturing systems so that your operations team can quickly understand what is going on and prioritize actions. Popular use cases include …

- Real-time monitoring of machine health and production performance
- Early detection of faults so that corrective action can be taken, thereby reducing frequency of unplanned downtime events
- Identifying opportunities to improve production processes and eliminate waste
- Pinpointing the root cause of infrequent faults that are difficult to observe

Scalable System Architecture

Illuminate™ Manufacturing Intelligence software has a flexible, scalable architecture that often starts as a local machine performance analysis tool, and then is extended across the plant floor for system-wide operational visibility and insight. This powerful solution integrates with factory automation equipment through a variety of industry standard protocols.

Empowering
Your Operations

Illuminate Performance Analysis
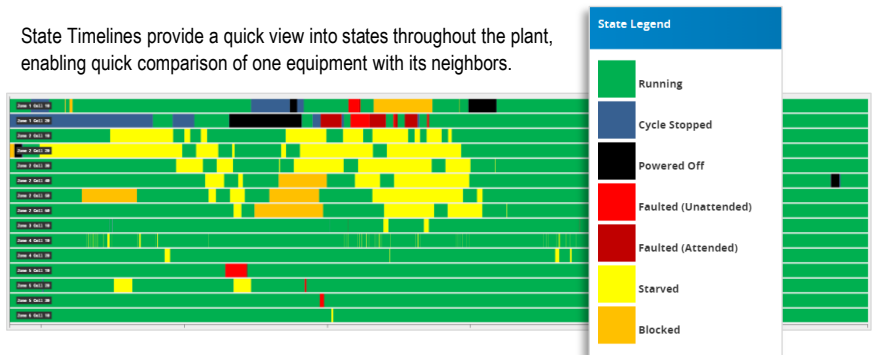## Standard Features

Dashboard
At-a-glance view of key production metrics such as OEE, part counts and equipment states with easy data drill-down for details.

Production Summaries
Summary of key factors affecting your OEE/MOEE including Top 5 Losses. Provides a launch pad for further analysis to quickly identify priority areas for improvement.

State Timelines
Illustrates changes in state for quick identification of bottlenecks, starvation and blockage sources across the entire system. Also shows the time it takes to respond to faults and get back into a running state.

Fault Reports
Quickly identify faults, analyze their frequency and duration, then take corrective action to reduce downtime and improve operator reaction times.

Reject Summaries
Provides details about which rejects have occurred, where they occurred and identifies which rejects are having the greatest impact.

Operator-to-Operator Messaging
Allows machine operators to post comments, issues and instructions at each station for future shifts, managers or maintenance to review.

Notifications and Scheduled Reports
Preemptive notification of potential issues powered by Insights trend analytics feature. As well as alerts when faults occur or tasks are due.

Optional features requiring additional configuration/ integration:

- **Interactive Line Layout**
- **Event Logs**

Add-ons
Optional Modules

- Debug Camera
- Overhead Display
- Part Traceability
- Statistical Process Control (SPC)
- Manual Station

State Timelines provide a quick view into states throughout the plant, enabling quick comparison of one equipment with its neighbors.

State Legend
- Running
- Cycle Stopped
- Powered Off
- Faulted (Unattended)
- Faulted (Attended)
- Starved
- Blocked

"Illuminate Manufacturing Intelligence was hands down the best tool to improve our performance. Instead of using anecdotal evidence, the granular data provided by the software was all the information that we needed." - *Automation Engineer*

For More Information

ATS Global Service is an industrial services provider that helps manufacturers control operating costs, reduce unplanned downtime and maintain optimal performance over the lifecycle of their industrial automation systems.

To learn more, contact your ATS Automation or ATS Global Service account representative, or visit the ATS Global Service web page - www.atsautomation.com/services/. North America (734) 522-1900, Europe +49 (0) 15202784899.