

CASE STUDY

FactoryWiz



Machine Monitoring and Data Visibility
for Improved Equipment Utilization



Operational visibility, efficiency, and
data-driven manufacturing

Overview

Martindale continuously evaluates tools and systems that improve manufacturing efficiency and visibility on the shop floor.

In October 2022, the company implemented FactoryWiz, a machine monitoring platform that provides continuous insight into equipment performance and utilization.

Prior to FactoryWiz, machine activity was discussed in daily production meetings, which provided general awareness but limited real-time visibility into whether machines were running, idle, or down. By connecting machines directly to FactoryWiz dashboards, Martindale gained continuous insight into shop performance, allowing supervisors and operators to identify issues quickly and improve equipment utilization.

Challenge

Before implementing machine monitoring, Martindale relied primarily on daily meetings and manual communication to understand shop performance.

While this approach allowed the team to coordinate work, it had limitations:

- Machine status was not always visible in real time
- Idle time or downtime was not always communicated immediately
- Utilization levels were difficult to measure accurately
- Managers often relied on assumptions rather than precise operational data

Without automated monitoring, it was difficult to quickly identify the causes of downtime or delays on the shop floor.

Solution

Martindale implemented FactoryWiz in October 2022, connecting machines directly to a centralized monitoring system.

FactoryWiz captures real-time production data from each machine, including: cycle time, spindle-on time, idle time, machine alarms and alerts, and overall equipment efficiency (OEE).

Each connected machine has its own dashboard, and is connected to an andon board, allowing operators and supervisors to immediately see whether equipment is running, idle, or experiencing an issue. The system allows managers and line supervisors to monitor machine performance across the shop and respond quickly when support is needed.

Implementation was completed in approximately two weeks and integrated smoothly into Martindale's existing production workflow.

Results

With FactoryWiz in place, Martindale now has a clear understanding and metrics of how machines are performing throughout the day.

The system has also improved communication across the shop floor. Instead of relying solely on reports or meetings, supervisors and operators can now reference shared data about machine activity and performance.

FactoryWiz reinforces Martindale's commitment to lean manufacturing and continuous improvement. By providing objective data about equipment performance, the system allows the team to identify inefficiencies, implement improvements, and maximize the productivity of existing equipment.


For Martindale, machine monitoring is not simply about tracking data. It is about ensuring that every machine, operator, and production schedule is working together as efficiently as possible.

 **Real-time visibility into machine activity and utilization**

 **Faster response to machine alarms and production interruptions**

 **Improved on-time delivery supported by data-driven metrics**

 **Reduced downtime through proactive monitoring and maintenance alerts**

 **Improved OEE (Overall Equipment Effectiveness) visibility**

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