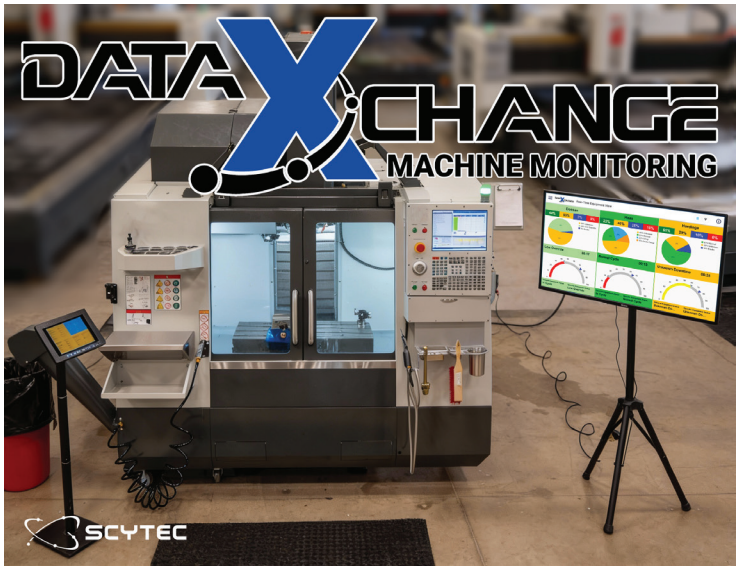
Scytec DataXchange Overview

Evolve Your Shop Floor with Machine Monitoring

Scytec DataXchange is an OEE machine monitoring platform that allows manufacturers to receive real-time shop floor equipment status and production metrics that can be viewed anywhere. Be proactive, rather than reactive to production environment events as data is collected from machines and made meaningful to your shop floor. Access manufacturing charts and dashboards from your phone, tablet, browser, and desktop computer. The features and benefits of DataXchange make it a machine monitoring platform that meets the needs of small facilities as well as large multi-site operations.



- DataXchange **increases OEE 10-30%**
- DataXchange connects to CNCs, cobots, fabrication equipment and legacy machines
- Integrates with **Vericut and ERP**

Machine Monitoring That Grows with Your Collected Data

Scytec DataXchange delivers powerful, flexible equipment monitoring that connects your CNCs, fabrication equipment, and more into one real-time view of your operation. With scalable deployment options and support for secure manufacturing environments, DataXchange makes it easy to start small and expand as your needs grow. The result is a smarter, more efficient shop floor backed by data you can trust.

For most manufacturers, that means DataXchange pays for itself quickly, sometimes within days, simply by reducing unplanned stops and improving visibility. And that return is only the beginning. Gains from higher quality, better utilization, faster decision-making, more accurate quoting, and lower tooling costs add even more measurable value. Learn how DataXchange can help you improve performance and profitability across your operation at **scytec.com**.

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Exposing Machine Data and Making It Useful with Charts and Dashboards

Scytec DataXchange offers a multitude of manufacturing charts that will enable manufacturers to confront bottlenecks on their shop floor. DataXchange also features dashboards that present real-time and historical production metrics that can rotate an unlimited amount of user defined screens on a TV in your shop floor. DataXchange dashboards can be configured to present data in a variety of ways including shop floor layouts, browser content like Power BI, Microsoft 365 documents, and webcams all side by side with production data.

DataXchange Shop Floor Alerts

DataXchange users can receive configured notifications based on their needs like if a *machine is running in a low feed rate override for more than five minutes*, or if a *machine is sitting idle for more than fifteen minutes during an active shift*. The notifications are easily configured and unlimited, supplying a powerful tool to proactively address issues before they become a real problem via text, email, or Microsoft Teams.

DataXchange Data Collection Methods

Scytec DataXchange collects machine data off common Ethernet protocols such as Fanuc FOCAS, Modbus TCP, MTConnect, Okuma THINC, OPC UA and more from well known machine brands like Heidenhain, Mazak and Siemens. Legacy machines are supported as well with a low-cost PLC that collects data off machines and sensors. Supplemental information can be entered via an additional application called **Operator Data Interface (ODI)**. DataXchange also features high speed data analytics proven to evolve your shop floor with **DXIQ** that pulls the most comprehensive set of data points imaginable.

The Data Points That Create Your Manufacturing Charts

The data collected from your shop floor equipment can generate visual metrics such as utilization, feed rate, rapid and spindle overrides, alarm types and occurrences, downtime reasons and durations, part numbers, part counts, OEE, M0/M1 events, and more.

DataXchange Applications and Integrations

The Scytec DataXchange machine monitoring platform comes with different applications for different outlets. A browser-based application, **Data Display** is made for production metrics access anytime, anywhere. The **Operator Data Interface (ODI)** application gets you the most accurate supplemental data from machine operators. **CNC Machine Connect**, a module inside of Vericut that improves your digital twins by accessing real-time machine data off your equipment.

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