

SMART FACTORY SOLUTION

Connect your shop floor machines, equipment and assets real time through our solution

- Machine Production Monitoring
- Machine Health Monitoring
- Machine Service Monitoring

Protocols supporting plug-and-play ethernet connectivity include:

MTConnect, Fanuc, OPC-UA, Mitsubishi, Citizen, Haas, Heidenhain, Siemens Sinumerik, and Modbus.

Our solutions can be used to connect

- CNC Machines
- Injection Molding Machines
- Sheet Metal Press
- Die-Casting Machines
- Textile Machines
- Electronic Jacquard & More...

Benefits

- Improve manufacturing efficiency
- Reduce production waste for increased profits
- Gain real-time shop floor visibility
- Alert shop floor workers with instant notifications
- Improve operator engagement and overall company communication
- Increase overall equipment efficiency



ADVANCED ANALYTICS

1

Descriptive Analysis

2

Predictive Analysis

3

Diagnostic Analysis

4

Prescriptive Analysis

KPI DASHBOARD

Visualize machine status and production efficiency in real-time with dashboards that include simple color-coded tiles.

OPERATOR VIEWS

Allow operators to add human-context to machine data with a touch screen interface mounted right at the machine tool. Categorize downtime, reject a part, and start/stop jobs right from the machine to manage and record quality data.

NOTIFICATIONS

When a monitor triggers an alert, a text or email message is sent to the appropriate person to take immediate action.

Alerts including downtime, alarms, OEE Performance, and tool failure prediction incidents can be created that can track an issue through a workflow

CUSTOM DASHBOARDS

Build custom dashboards that display machine status, alarms, performance and other KPIs with open APIs.

DOWNTIME & QUALITY

Track downtime from alarms or from the operator view and display a Pareto chart for any period of time that highlights the bottlenecks that are generating the most downtime.

SETUP / CHANGEOVER

Shops will often changeover jobs frequently, and this can be the biggest source of lost production time for a business. Setup times for the same job can vary wildly by operator, or by shift only by tracking setup time can this be improved. Operator View will display the remaining setup time, encouraging operators to complete on time.



UTILIZATION REPORTING

View asset utilization by hour, shift, day, week or month to view trends and uncover opportunities for improvements

ALERTS AND NOTIFICATIONS

Alert the right person at the right time when action needs to be taken Track incidents through a workflow with reassignment, resolution, and full audit tracking

JOB / PART / OPERATOR REPORTING

Track the performance of each job that is running on your equipment with job, part number, and operator analytics. Understand actual cycle time, performance between shifts, actual OEE metrics, operator performance, setup times, etc.

OEE PERFORMANCE

Real-time automated OEE reporting is available in various reports including the real-time dashboard, historical reports that can be compared by shift, and when viewing individual job/part reports. Integrate with any ERP to eliminate double entry.

ASSET MANAGEMENT

View and manage the status and health of your machine assets. Easily add new assets.

REAL-TIME MACHINE CONDITIONS

View and export real-time machine data and alarms as time-series data and charts to help diagnose and resolve problems.

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