

Shop Floor Operator Data Interface (ODI)

Communicate

- User Definable Downtimes
- Windows, iOS, and Android Apps
- ERP and CMMS Integration
- Text, Email, and Microsoft Teams Notifications
- Screen Flashing Alerts and Messages
- Empower Shop Floor Personnel
- Simple, Powerful, Flexible, Fast, Easy

A New Way to Communicate

The screenshot displays the ODI interface. On the left, a list of equipment statuses is shown with color-coded bars: Unplanned Downtime (red), Planned Downtime (dark grey), In Cycle (green), Work Order (yellow), Part Number (dark grey), Good Part (green), Scrap Part (red), Custom Command (dark grey), User (dark grey), Makino Normal Cycle (green, 33:56), Mazak Unknown Downtime (yellow, 02:54), DMG Normal Cycle (green, 12:27), and Okuma Waiting for Operator (purple, 05:06). On the right, the 'Okuma' status is expanded, showing details: Status Tooling, Status Duration 05:06, Status start time 11/09 1:27 PM, User juanr, Part Number 33275-01, Work Order W37611, PPH Plan 65, Good Parts 63, PPH % 96.9, and Scrap Parts 2. Below this, there are buttons for 'Start New Status' and 'End Current Status', and a 'Notes' section with a text input field. The top of the interface shows 'Administrator' and a list of categories: Alarm, Maintenance, Programming, Quality, and Tooling (selected). The time stamp is 11/09 1:32 PM.

The Operator Data Interface (ODI) runs on PCs, Windows tablets, iPad, Android tablets, iPhones, and Android phones. The ODI screen fully integrates with the automatic machine data collection allowing for data collection rules to be used in real-time across all sources of data. ODI allows shop floor operators to enter data such as downtimes and part numbers, update OEE dashboards and trigger the sending of emails, text messages, and Microsoft Team chats, among other things.

The Features of ODI

The Operator Data Interface (ODI) allows shop floor personnel to enter information relating to planned and unplanned downtime reasons, work orders and operations, part counts, and much more. Not only does the ODI allow shop floor personnel to enter data about the daily operations, ODI also provides real-time feedback from equipment and the data collection system. The screen can be set to flash if the equipment has been in a certain state for too long, or if a downtime has not been entered when the machine is sitting idle. ODI can also integrate with other systems such as ERP or CMMS providing a single interface for the shop floor. Using the Scytec DataXchange Operator Data Interface helps improve the quality of OEE.

Equipment Overlay View

Equipment Overlay View

The ODI includes the Equipment Overlay View which fills the screen with user defined colors representing the real-time status along with the key data items for the selected equipment. Tapping a section on the screen will take the operator to the main operator input page where data can be entered with the touch of a button. The Equipment Overlay View will resize automatically based on the amount of equipment assigned and the size of the display. The ODI Equipment Overlay View is a perfect visual tool to help improve the accuracy of the data for OEE data entry and can easily be used on tablets, PCs, and phones.

Grinder		Haas	
Status	Status Duration	Status	Status Duration
Unknown Downtime	12:24	Normal Cycle	45:29
Status start time	User	Status start time	User
05/26 11:28 AM	juanr	05/26 11:28 AM	danh
Part Number	Work Order	Part Number	Work Order
68565-01	W37512	93771-07	W38195
PPH Plan	Good Parts	PPH Plan	Good Parts
11	7	17	15
PPH %	Scrap Parts	PPH %	Scrap Parts
63	2	88	2
Swiss		TL 2000	
Status	Status Duration	Status	Status Duration
Planned Maintenance	21:23	Normal Cycle	35:22
Status start time	User	Status start time	User
05/26 11:30 AM	paule	05/26 11:31 AM	markt
Part Number	Work Order	Part Number	Work Order
51714-05	W33411	53671-03	w37603
PPH Plan	Good Parts	PPH Plan	Good Parts
7	4	12	10
PPH %	Scrap Parts	PPH %	Scrap Parts
57	0	83	2

ODI Overview

- Enter shop floor production data
- Receive real-time equipment status
- Integrate with ERP and CMMS

Integrations

- Work orders and ideal times
- Labor, machine, and setup time
- Good parts and scrap parts
- Maintenance systems

Data Input

- Planned and Unplanned Downtime
- Work Order, Part Number and Operation
- Good Parts and Scrap Parts
- Logged in User

