

## 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 sidebar lists machine statuses: Unplanned Downtime (red), Planned Downtime (black), In Cycle (green), Work Order (yellow), Part Number (blue), Good Part (green), Scrap Part (red), Custom Command (black), and User (black). Below this, a list of machines is shown: Makino (Normal Cycle, 33:56), Mazak (Unknown Downtime, 02:54), DMG (Normal Cycle, 12:27), and Okuma (Waiting for Operator, 05:06). The main area shows a list of categories: Alarm, Maintenance, Programming, Quality, and Tooling. A detailed view for the Okuma machine is shown, including 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). The interface also includes a Time Stamp (11/09 1:32 PM), a Notes field, and buttons for Start New Status and End Current Status.

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.

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

### 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

