

# Shop Floor Operator Data Interface

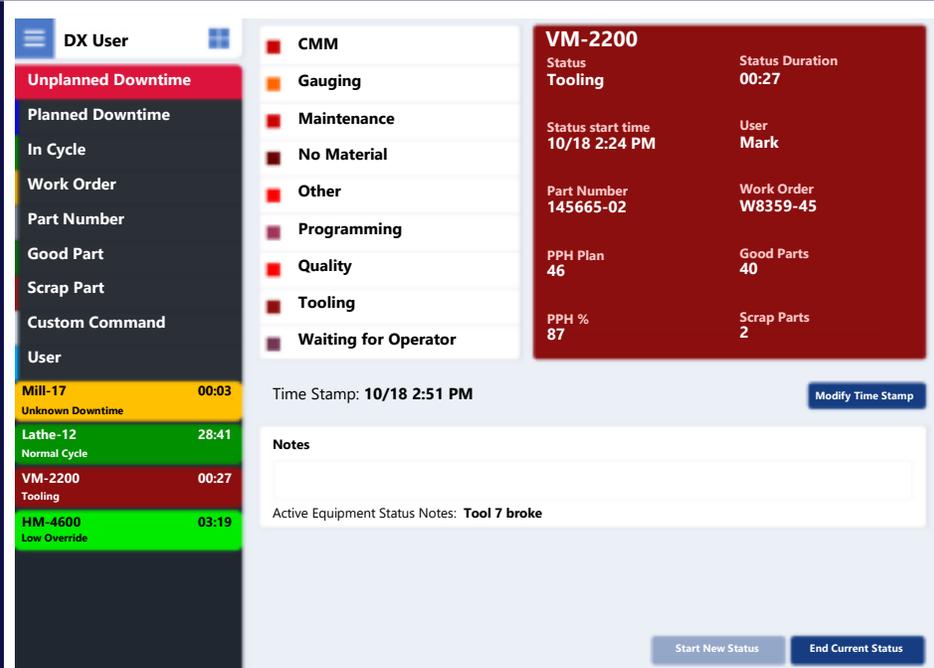
## Communicate

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

## The Benefits 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 system such as ERP or CMMS providing a single interface for the shop floor. Using the Scytex DataXchange Operator Data Interface helps improve the quality of OEE.



The screenshot displays the ODI interface for a user named 'DX User'. On the left, a list of equipment statuses is shown with color-coded bars and durations: Mill-17 (Unknown Downtime, 00:03), Lathe-12 (Normal Cycle, 28:41), VM-2200 (Tooling, 00:27), and HM-4600 (Low Override, 03:19). A legend in the center lists downtime reasons: CMM, Gauging, Maintenance, No Material, Other, Programming, Quality, Tooling, and Waiting for Operator. On the right, a detailed view for VM-2200 shows its status as 'Tooling' with a duration of 00:27. Other details include status start time (10/18 2:24 PM), user mark, part number (145665-02), work order (W8359-45), PPH plan (46), good parts (40), PPH % (87), and scrap parts (2). The interface also includes a 'Time Stamp' of 10/18 2:51 PM, a 'Notes' section with the active equipment status note 'Tool 7 broke', and buttons for 'Start New Status' and 'End Current Status'.

**Industry 4.0**

**Industrial Internet of Things**

**OEE**



Shop Floor Automations, Inc.  
5360 Jackson Drive, Suite 202  
La Mesa, CA 91942-6003

**Phone:** (619) 461-4000  
**Toll Free:** (877) 611-5825  
**Fax:** (619) 461-5918

**Web:** www.ShopFloorAutomations.com  
**Email:** sales@ShopFloorAutomations.com



## 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

# A New Way to Communicate

## Real-Time Status, Data Input, Notifications, Integration

The Operator Data Interface runs on Windows tablets, iPads, Android tablets, iPhones, and Android phones.

<b>VM-2200</b>	
Status <b>Normal Cycle</b>	Status Duration <b>15:42</b>
Status start time <b>10/18 8:32 AM</b>	User <b>Kathy</b>
Part Number <b>52398-02</b>	Work Order <b>W37610</b>
PPH Plan <b>37</b>	Good Parts <b>32</b>
PPH % <b>86</b>	Scrap Parts <b>2</b>

<table border="1"> <tr><td colspan="2"><b>Mori</b></td></tr> <tr><td>Status <b>Normal Cycle</b></td><td>Status Duration <b>12:04</b></td></tr> <tr><td>Status start time <b>10/20 8:35 AM</b></td><td>User <b>Walter</b></td></tr> <tr><td>Part Number <b>75026-05</b></td><td>Work Order <b>W37611</b></td></tr> </table>	<b>Mori</b>		Status <b>Normal Cycle</b>	Status Duration <b>12:04</b>	Status start time <b>10/20 8:35 AM</b>	User <b>Walter</b>	Part Number <b>75026-05</b>	Work Order <b>W37611</b>	<table border="1"> <tr><td colspan="2"><b>Haas</b></td></tr> <tr><td>Status <b>Normal Cycle</b></td><td>Status Duration <b>7:26</b></td></tr> <tr><td>Status start time <b>10/20 8:40 AM</b></td><td>User <b>Taylor</b></td></tr> <tr><td>Part Number <b>50932-00</b></td><td>Work Order <b>W37604</b></td></tr> </table>	<b>Haas</b>		Status <b>Normal Cycle</b>	Status Duration <b>7:26</b>	Status start time <b>10/20 8:40 AM</b>	User <b>Taylor</b>	Part Number <b>50932-00</b>	Work Order <b>W37604</b>	<table border="1"> <tr><td colspan="2"><b>VM-2200</b></td></tr> <tr><td>Status <b>Normal Cycle</b></td><td>Status Duration <b>15:42</b></td></tr> <tr><td>Status start time <b>10/20 8:32 AM</b></td><td>User <b>Kathy</b></td></tr> <tr><td>Part Number <b>52398-02</b></td><td>Work Order <b>W37610</b></td></tr> </table>	<b>VM-2200</b>		Status <b>Normal Cycle</b>	Status Duration <b>15:42</b>	Status start time <b>10/20 8:32 AM</b>	User <b>Kathy</b>	Part Number <b>52398-02</b>	Work Order <b>W37610</b>
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PPH%	Scrap Parts
<b>64</b>	<b>7</b>

<b>Welder</b>	
Status <b>Unknown Downtime</b>	Status Duration <b>44:51</b>
Status start time <b>10/18 8:13 AM</b>	User <b>Brian</b>
Part Number <b>39671-01</b>	Work Order <b>W37619</b>
PPH Plan <b>84</b>	Good Parts <b>76</b>
PPH % <b>90</b>	Scrap Parts <b>0</b>

<b>Makino</b>	
Status <b>Low Override</b>	Status Duration <b>1:37</b>
Status start time <b>10/18 8:46 AM</b>	User <b>Roger</b>
Part Number <b>39671-01</b>	Work Order <b>W37626</b>
PPH Plan <b>28</b>	Good Parts <b>25</b>
PPH % <b>89</b>	Scrap Parts <b>0</b>

## Equipment Overlay View

The ODI includes the Equipment Overlay View which fills the screen with the user defined color representing the real time status along with 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 size of the display. The ODI Equipment Overlay View is a perfect visual tool to help improve accuracy of the data for OEE data entry and can easily be used on tablets, TVs, PC monitors and phones.

## Data Input

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