Three Ways to Input Downtime in Sight Machine

Contents

Three Ways to Input Manufacturing Downtime

There are three ways to input manufacturing downtime into Sight Machine:

1. Managers and QA lab technicians: Batch downtime entry on the Sight Machine Data Tab
2. Line Operators: Manual real-time, downtime entry using a tablet
3. Automated Downtime Inspection: Through machine input automated inspection

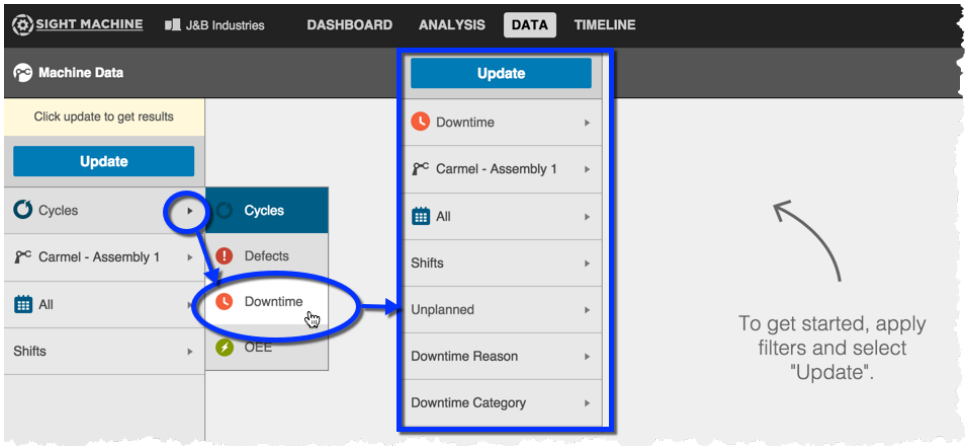
Note: While downtime input is done in essentially the three above ways no matter the product, the Sight Machine application is flexible enough to consume vitually any input device on any machine. Whether you're measuring downtime for machines that build steering column lock assemblies or top-stitching on soccer shoes, Sight Machine has a way to input that downtime and to view it in the application.

Batch Downtime Entry

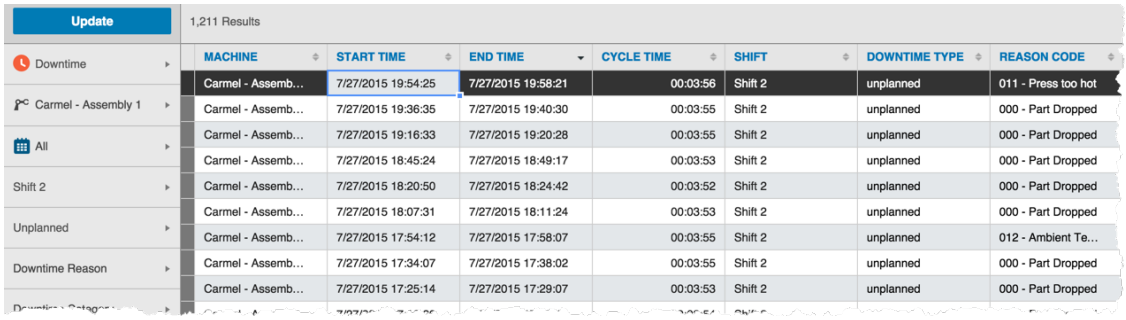
If you're a manager or QA lab technician, you may need to edit the type or reason for downtimes that are entered by eitehr the line operator or auto-inspection.

The instructions below are an example of viewing reported downtime in Sight Machine.

1. On the Data tab, select Downtime from the Update Menu to toggle the menu options to downtime-specific choices.



2. Click to select the appropriate details from the Update Menu (i.e. asset, date, shift, unplanned/planned, downtime reason, and downtime category).
3. Click Update to display machine downtime according to the criteria you just selected.



Real-Time Downtime Entry

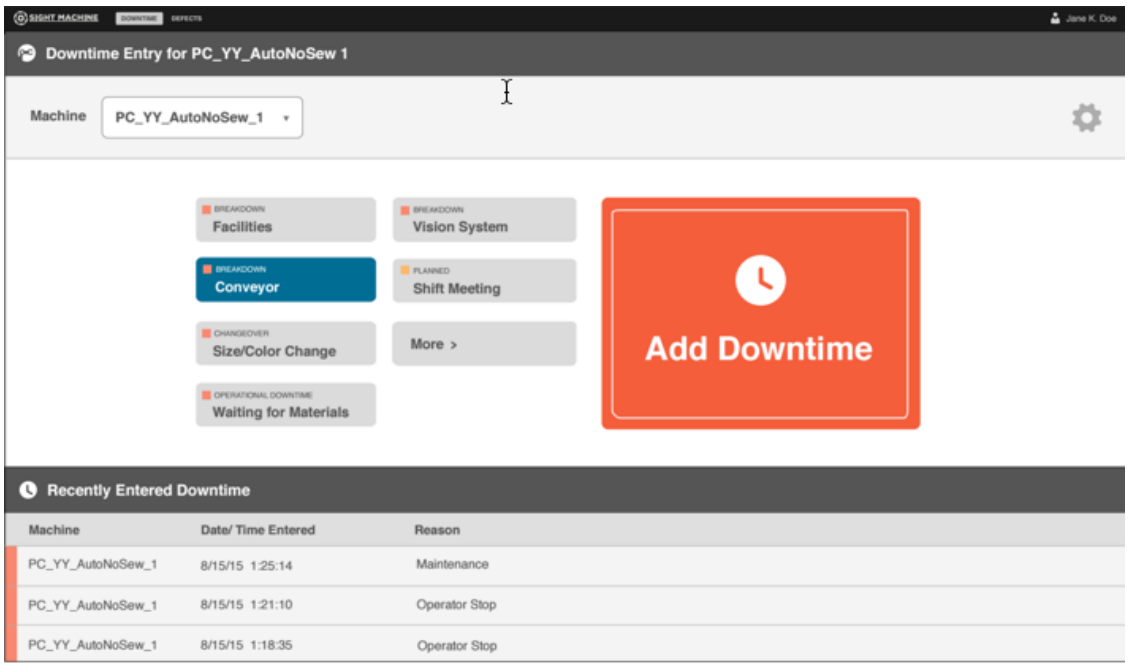
Line operators may use a tablet in real-time to enter single-entry downtime events while on the manufacturing floor at the machine. This system of downtime entry is highly available, and operates on the premise that if the Internet connection ever goes down, the line operator will still be able to enter downtime.

For example, if you're a line operator with the responsibility for identifying machine downtime and you find a particular machine that has stopped operating, you can use a tablet to enter that downtime and select the specific downtime reason and cause.

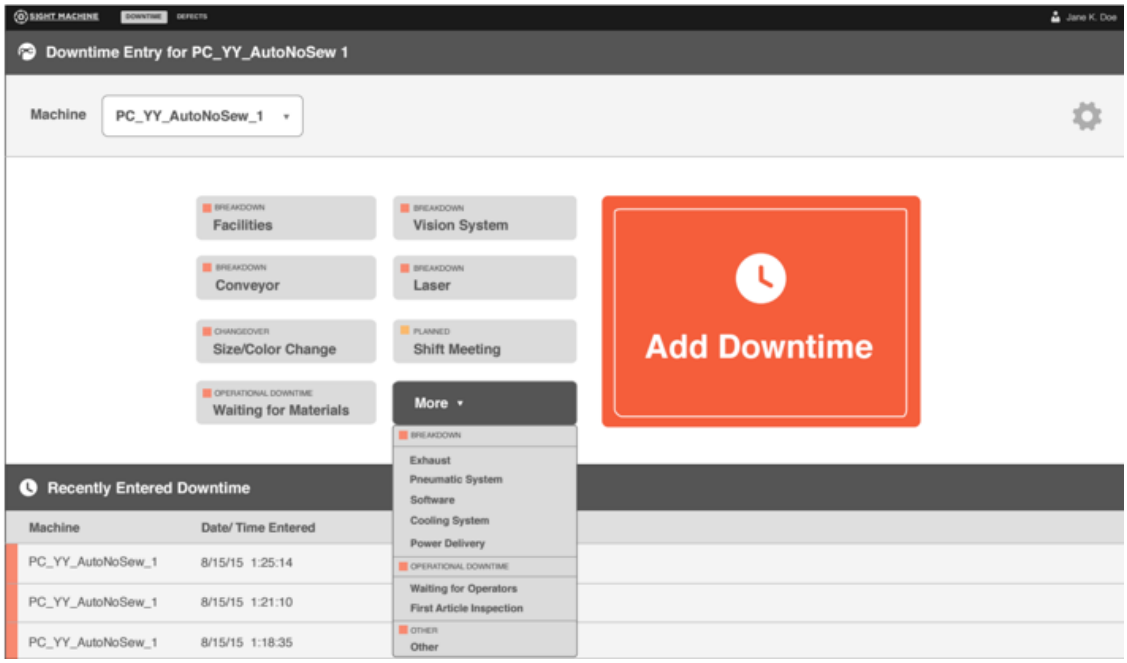
The images below are only examples and your tablet display will appear differently, with downtime reasons unique to your facility and product.

The instructions below are an example of entering a real-time downtime in Sight Machine.

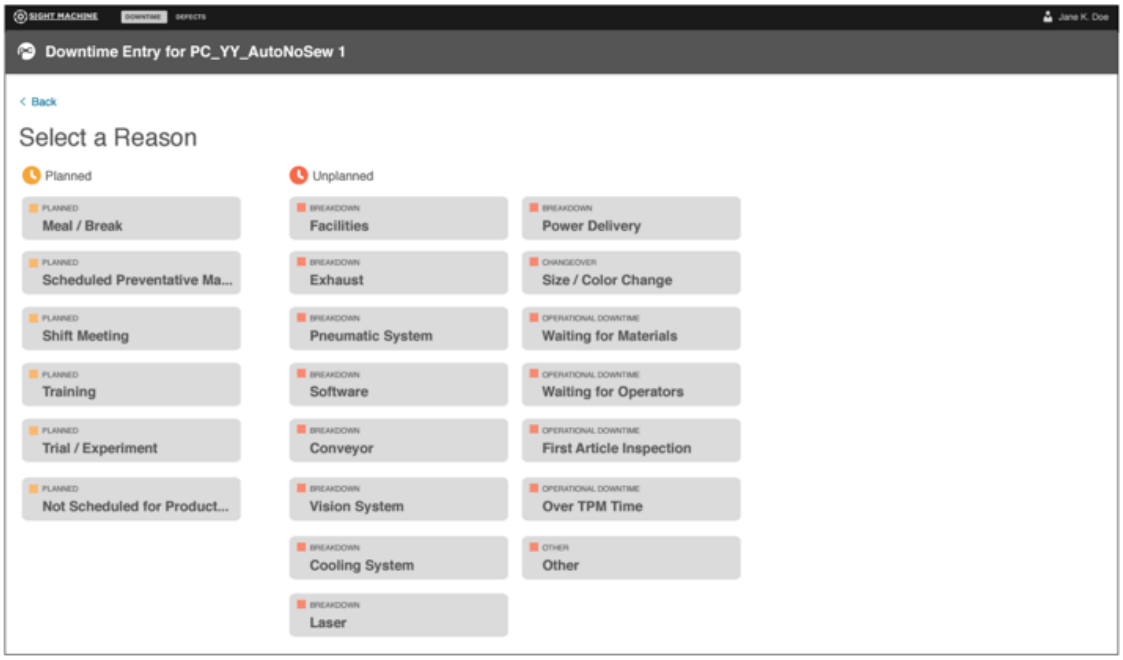
1. Using your tablet, select a machine from the Machine drop-down list on the Downtime Entry screen.



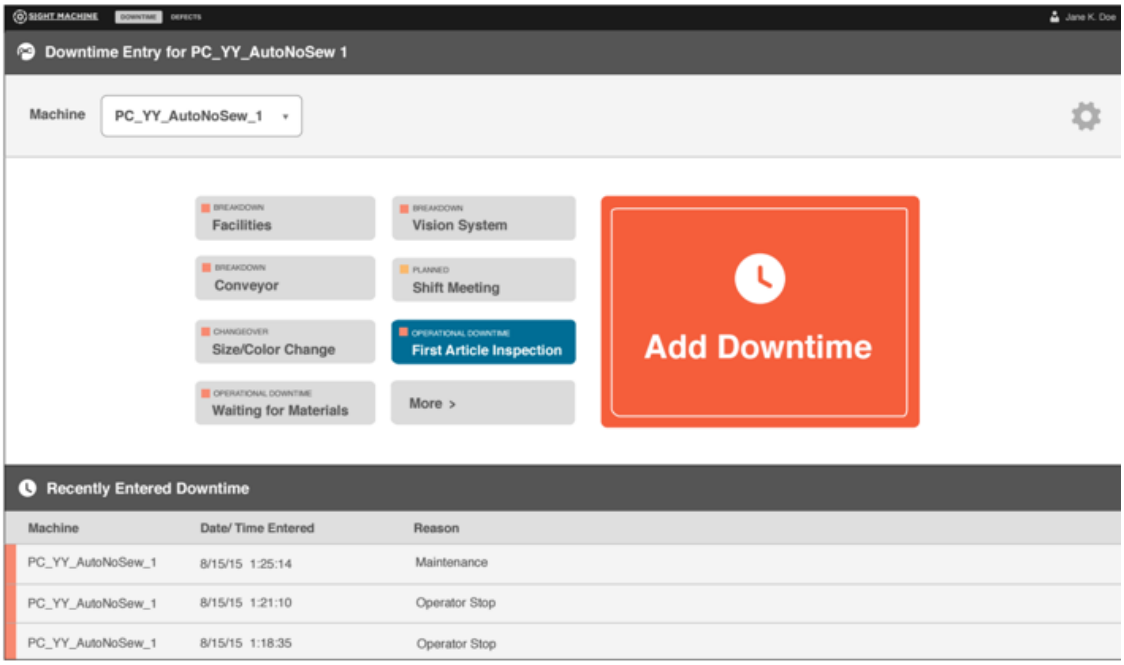
2. Tap the More drop-down list to select an option if the one that caused the downtime does not appear in the button to the left of the Add Downtime button.



3. Tap the Add Downtime button to display the "Select a Reason" screen.



4. Tap one of the available buttons (Planned or Unplanned) to select the downtime reason and automatically return to the Downtime Entry screen.


SIGHT MACHINE
DOWNTIME
DEFECTS
Jane K. Doe
Downtime Entry for PC_YY_AutoNoSew 1
Machine
PC_YY_AutoNoSew_1
BREAKDOWN
Facilities
BREAKDOWN
Vision System
BREAKDOWN
Conveyor
PLANNED
Shift Meeting
CHANGEOVER
Size/Color Change
OPERATIONAL DOWNTIME
First Article Inspection
OPERATIONAL DOWNTIME
Waiting for Materials
More >
Add Downtime
Recently Entered Downtime
Machine
Date/ Time Entered
Reason
PC_YY_AutoNoSew_1
8/15/15 1:25:14
Maintenance
PC_YY_AutoNoSew_1
8/15/15 1:21:10
Operator Stop
PC_YY_AutoNoSew_1
8/15/15 1:18:35
Operator Stop

Downtime Auto-Inspection

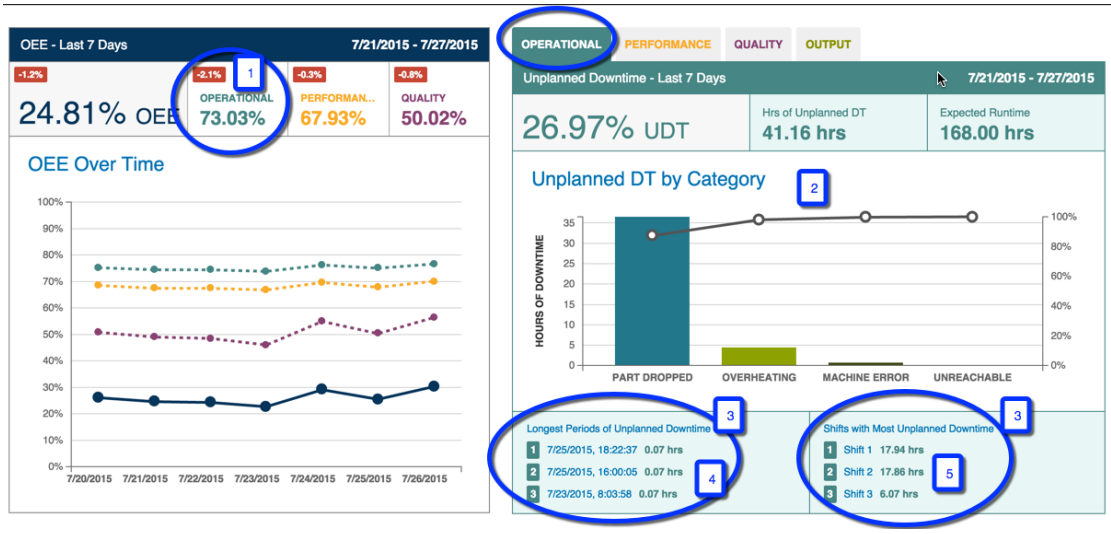
Your machine can tell you when goes down unexpectedly. As long as there is a signal on your machine, Sight Machine collects information from it to track downtime directly from the machine itself. For example, if a machine goes down due to excessive humidity, that downtim is reported by the machine's signal and automatically recorded in the Sight Machine application.

Note: It is assumed that Sight Machine is up and running for downtime auto-inspection.

You can view auto-inspected downtime as a summary from the Dashboard tab, which includes links to more detailed information on the Analysis, Data, and Timeline tabs.

Auto-Inspected Downtime on the Dashboard Tab

The Operational metric on the Dashboard tab provides a high-level view of auto-inspected downtime.



Clicking the Operational links and the Unplanned DT by Category chart items automatically displays detailed information on other tabs.

- 1: Click the OEE Operational link to display the Data tab where data for all operational downtimes displays (click Update).
- 2: Click any of the bars in the bar chart or the link graph in the Unplanned DT by Cetegory graph to display the Analysis tab where you'll see details about downtime by reason (click Update).
- 3: Click the section heading link ("Longest Periods of Unplanned Downtime" in the image above) to display the Data tab where you'll see details about downtime by longest downtime period (click Update). Or, if you click the section header link for "Shift with Most Unplanned Downtime" you'll view the Data tab with details about downtime sorted by shifts with the most machine downtime.
- 4: Click any of the individual Date/Time links to display the Timeline tab with details about cycle and machine availability.
- 5: Click any of the individual Shift links to display the Data tab with details about downtime for that particular shift (click Update).