



Delivering the Right Product on  
Time at the Optimal Cost

## NetSuite Production Scheduling



Scheduling is one of the most complex functions within a manufacturing process. For years, the challenge has always been to find a solution that has the complexity to achieve the desired results while not sacrificing usability. NetSuite's Production Scheduling solution achieves this balance with a number of features that make it possible to create a realistic schedule with minimal effort.

### Key Benefits

- Real-time scheduling engine—both forward and backwards.
- Flexible scheduling code to enable light to dark sequencing.
- Choice of infinite or finite scheduling with user definable constraints.
- Multiple graphical representations of the schedule.
- Drag-and-Drop scheduled operations for manual override.

## Drag and Drop Scheduling

The task scheduler in NetSuite shows the popular Gantt chart view of production with the ability to manually drag operations for last minute changes.

## Real-Time Scheduling Engine

The NetSuite scheduling engine is unique in that it runs in real-time and can be set to automatically schedule work orders as they are created or reach a defined status. As the work order is saved, each operation will be scheduled according to the defined parameters.

## Manufacturing Workbench

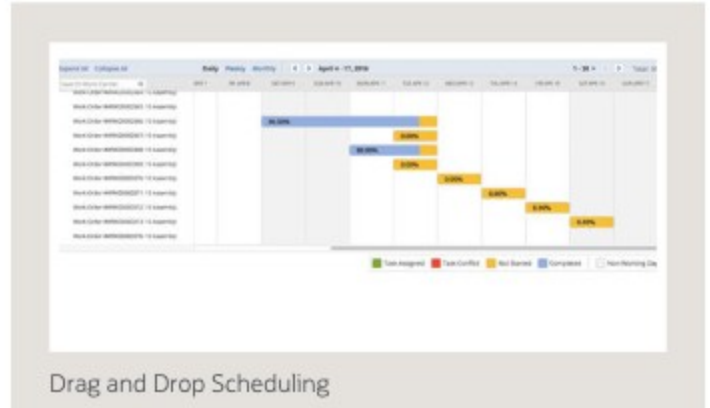
NetSuite's comprehensive workbench functionality provides a single place where most of the configuration is performed. From this one screen you can define:

- Setup and run standards
- Lag and hold time
- Batch configuration
- Asset and labor requirements with priorities
- Detailed work instructions
- Inspection plans with acceptable tolerances

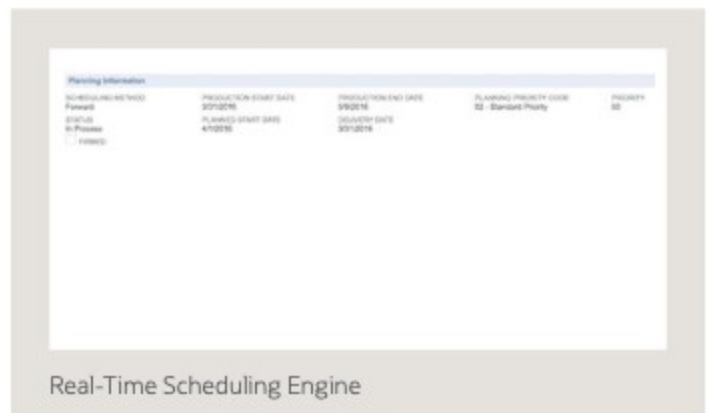
## Batch Scheduling

For manufacturers who make their products in batches to match the capacities of their machines (specifically food and beverage manufacturers but broadly applicable), this can easily be attained by defining the appropriate batch parameters.

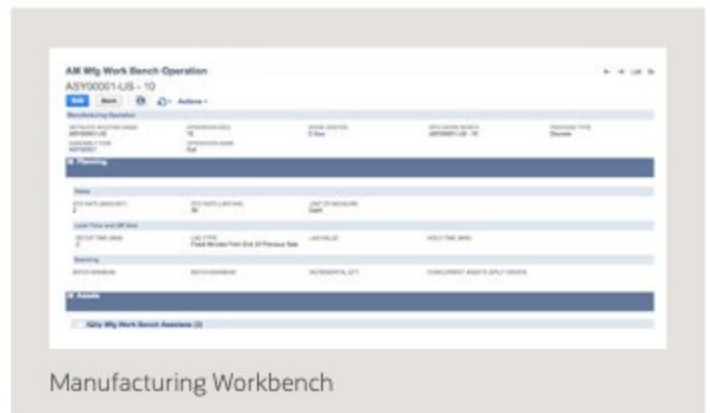
Once this is done, the system will create and schedule each batch separately to ensure compliance with the capacities of the equipment that's running them.



Drag and Drop Scheduling



Real-Time Scheduling Engine



Manufacturing Workbench





## Shop Calendar Definition

When finite scheduling is being conducted, the shop calendar defines when a work center is normally available and can be configured with exceptions for lunch, etc. Individual assets (pieces of equipment) can then be set up with variances to this as required.

## Work Center Dispatch List

The dispatch list in NetSuite is updated to be color coded based on status and date to provide instant feedback to the Production Manager should there be any issues.

## Calendar View


One of the most popular and powerful views of the schedule is the calendar view.

This easy-to-read and understand screen shows a traditional calendar with the work orders that are scheduled to be performed in each work center along with additional critical information for use by the scheduler such as:

- Work order status
- Planned and available hours
- Utilization percentage with alerts
- Planned and completed quantity

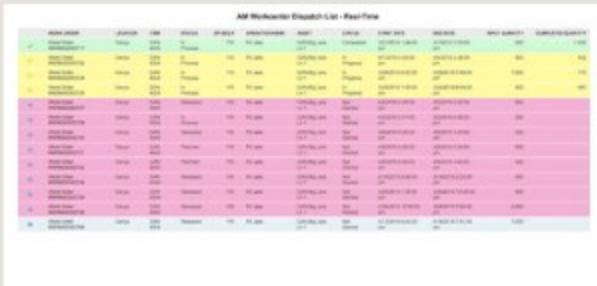
## Real-Time Updates from Production

One of the most important aspects of scheduling is getting the right information back from production to allow for educated decisions about the schedule. This simple list view shows all of the current work orders and automatically highlights potential problem areas.



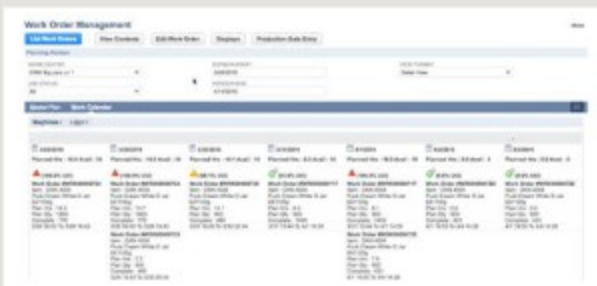
The screenshot shows a 'Shop Calendar Definition' window with a table listing work centers and their availability for various dates. The table has columns for 'Work Center', 'Date', and 'Status'. The status column contains values like 'Available', 'Unavailable', and 'Exception'.

Shop Calendar Definition



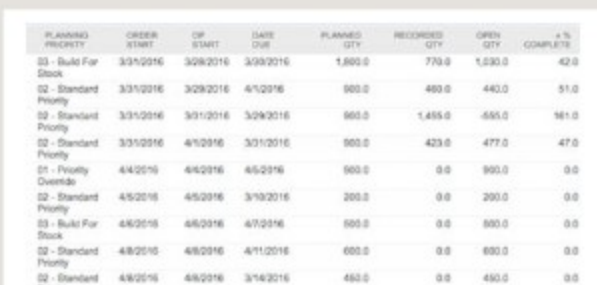
The screenshot shows a 'Work Center Dispatch List' window with a table listing work orders and their dispatch details. The table has columns for 'Work Order', 'Date', 'Status', 'Planned Qty', 'Recorded Qty', and 'Open Qty'. The rows are color-coded based on status.

Work Center Dispatch List



The screenshot shows a 'Calendar View' window with a calendar grid. The grid displays work orders for each day, with columns for 'Planned Qty', 'Recorded Qty', and 'Open Qty'. The grid is color-coded to indicate work order status.

Calendar View



The screenshot shows a 'Real-Time Updates from Production' window with a table listing work orders and their production status. The table has columns for 'Planned Property', 'Order Start', 'Date Due', 'Planned Qty', 'Recorded Qty', 'Open Qty', and '% Complete'.

PLANNED PROPERTY	ORDER START	DATE DUE	PLANNED QTY	RECORDED QTY	OPEN QTY	% COMPLETE
03 - Built For Stock	3/31/2016	3/29/2016	1,600.0	770.0	1,530.0	42.0
02 - Standard Priority	3/31/2016	3/29/2016	900.0	460.0	440.0	51.0
03 - Standard Priority	3/31/2016	3/31/2016	900.0	1,455.0	555.0	161.0
02 - Standard Priority	3/31/2016	4/1/2016	900.0	423.0	477.0	47.0
01 - Priority Queue	4/4/2016	4/4/2016	900.0	0.0	900.0	0.0
02 - Standard Priority	4/5/2016	4/5/2016	200.0	0.0	200.0	0.0
03 - Built For Stock	4/6/2016	4/6/2016	900.0	0.0	900.0	0.0
02 - Standard Priority	4/8/2016	4/11/2016	600.0	0.0	600.0	0.0
02 - Standard Priority	4/8/2016	3/14/2016	450.0	0.0	450.0	0.0

Real-Time Updates from Production