



Light Assembly for Manufacturers
and Distributors

NetSuite Work Orders and Assemblies



NetSuite can be easily configured to support the needs of manufacturers of all types and sizes, and for many the first step is to implement the Work Orders and Assemblies module. Enabling this feature allows users to define assembly items, build complex multi-level bill of materials, create work orders, record assembly builds, and backflush components with minimal effort.

Key Benefits

- Easy set-up – up and running in days
- Automatic back flushing of components
- Real-time costing
- Ability to manufacture without work orders
- Support lean initiatives
- Review and analyze production plans based on actual production times

Process Flow



Assembly Item

In NetSuite, an item that is manufactured and consumes other components as part of that process is called an Assembly Item and is easily defined through the New Items menu. Assembly Items can optionally be defined as lot numbered or serialized. If a product requires full traceability from the components being used—where they came from and where the end product went—then selecting one of these options will ensure that traceability is strictly maintained.

Work Order

In NetSuite, creating a Work Order is actually an optional step in the manufacturing process; however, if you require the ability to communicate to production what you want made, when you want it, and the components they need to use, or if you sell a configurable product where there are features and options, then creating a work order is a critical part of the process. In this case, the work order is the starting point of implementing a production control system.

Actual Production Dates are automatically calculated by default for related work order transactions. This enables you to track actual production dates to better assess your production plans, identify problems, optimize production runs and make data-driven decisions.

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New Item

Item Type: Assembly

Lot Numbered:

Description:

Inventory Item: AS5V167

Lot Numbered:

Serialized:

Item Group:

Kit Package:

Mark up:

Item Inventory Item:

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Work Order

Order #: WO621

Custom Form:

Secondary:

Location: San Francisco

Production Start Date:

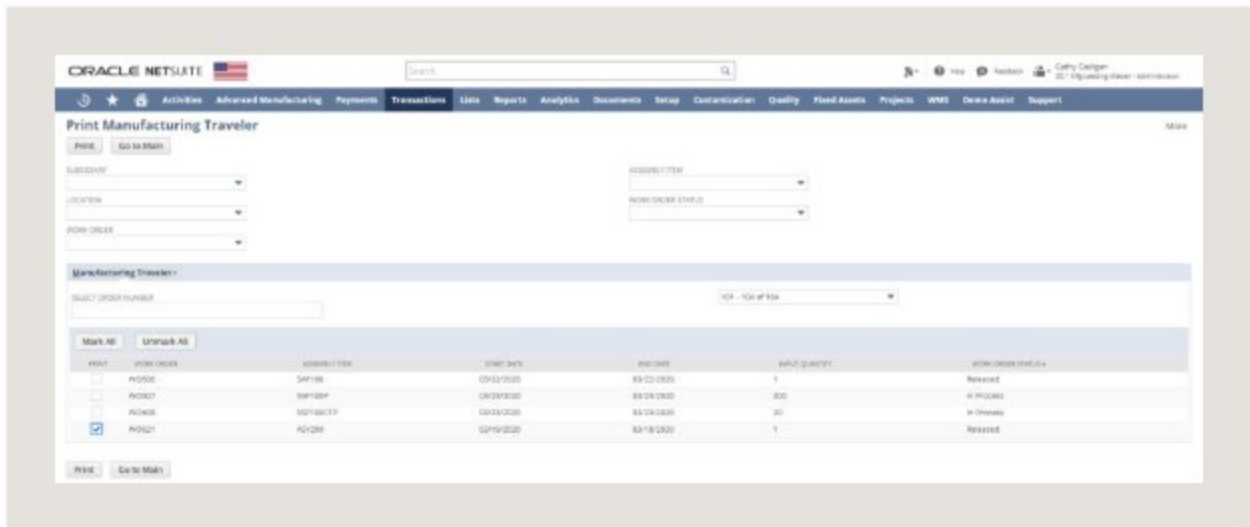
Production End Date:

Scheduling Method: Released

Status: Released

Classifications:

Project:

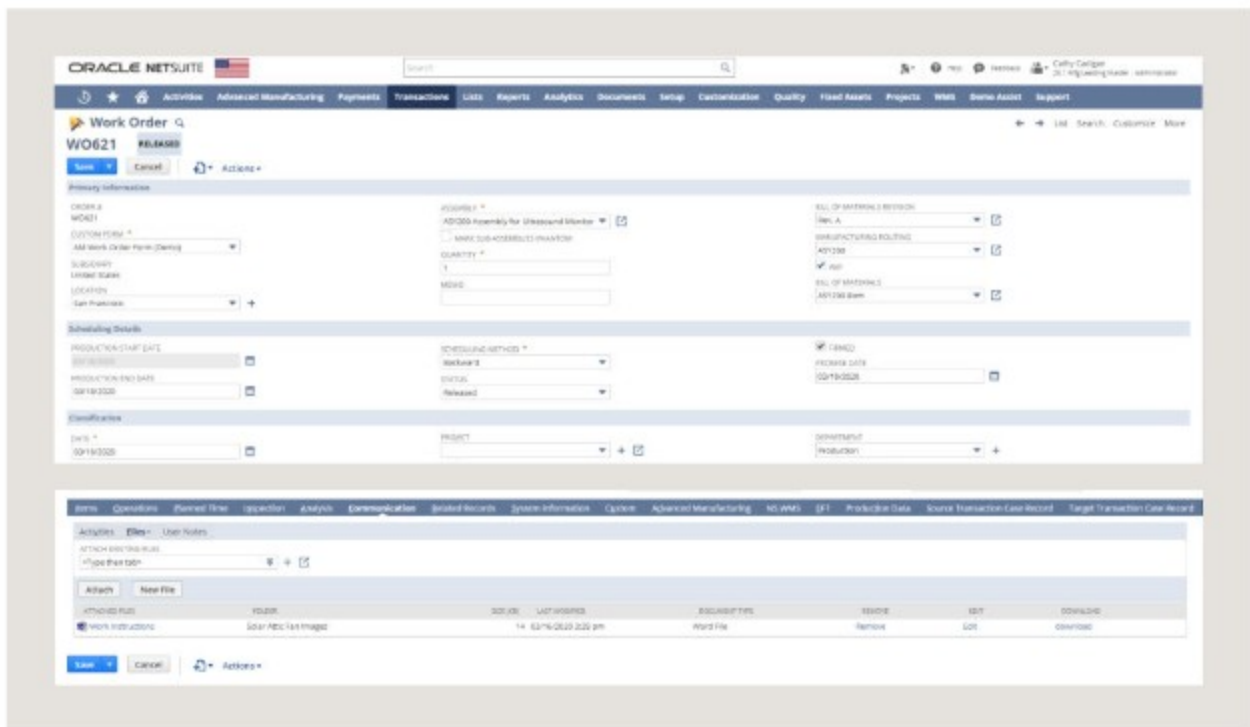


Work Order Traveler

The traveler is a document that is printed and handed over to production to communicate the production plan. This document can also be used for them to communicate back how much raw material they actually consumed compared to what you were expecting.

Work Instructions

Instructional files can be added to the assembly item and flagged to print at the same time as the traveler. This offers a quick and easy method to issue additional information to the production team.



Item*	Description	BOM Quantity	Quantity	Units	Inventory Status	Committed	Stock on Hand	Available	On Hand	Component	Count	Component	Inventory Source	Inventory Location	Inventory Date	Inventory Status	Inventory Date
PCB001 PCB Board	PCB Board	1	50	EA	Available	0	50	50	50	PCB001	50	PCB001	Stock	01-19-2020	3:45 pm	Available	01-19-2020
MON001 Monitor Base	Monitor Base	1	50	EA	Available	0	50	50	50	MON001	50	MON001	Stock	01-19-2020	3:45 pm	Available	01-19-2020
MON002 Monitor Case	Monitor Case	1	50	EA	Available	0	50	50	50	MON002	50	MON002	Stock	01-19-2020	3:45 pm	Available	01-19-2020
LCD001 19" LCD Display	19" LCD	1	50	EA	Available	0	50	50	50	LCD001	50	LCD001	Stock	01-19-2020	3:45 pm	Available	01-19-2020

Inventory Commitment

By creating a Work Order, NetSuite automatically commits inventory to production when the work order is created and gives a more accurate view of the current inventory status.

Assembly Build

The Assembly Build transaction is the point at which the components are consumed and the finished good is created—sometimes referred to as “backflushing”. It is important to note that the Assembly Build can be completed either against a work order or directly from the menu if working in a lean or work order-less environment.

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Assembly Build

ASSYB167

Save & New | Cancel | Retest | Actions

Primary Information

CUSTOMER *	QUANTITY TO BUILD *	INVENTORY STATUS
Customer 12345	10	Available
REFERENCE #	DATE *	DATE *
	01/19/2020	01/19/2020
ASSEMBLY *	FACTORY	ACTING PERIOD
COMPANY	PROJECTS VALUE	Mar 2020
DIVISION	DATE	None
BILL OF MATERIALS REVISION		
Revision 1		