



NETSUITE WORK ORDERS & ASSEMBLIES

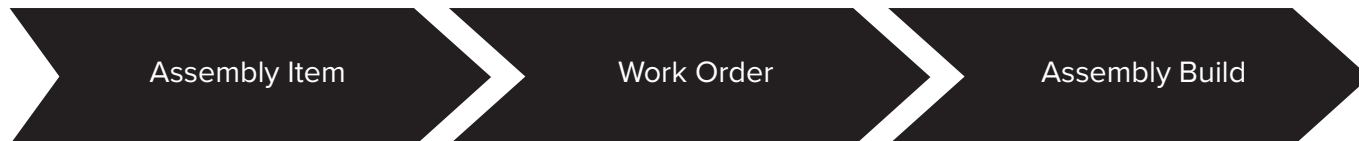
Light Assembly for Manufacturers and Distributors

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 & 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

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.

The screenshot shows the 'New Item' form in NetSuite, specifically the 'Assembly/Bill of Materials' tab. The form includes fields for 'Item Name' (RAK000001), 'Description' (Rack), 'Lot Numbered' (checked), and 'Serialized' (checked). It also shows a 'Bill of Materials' section with a table of components and their quantities.

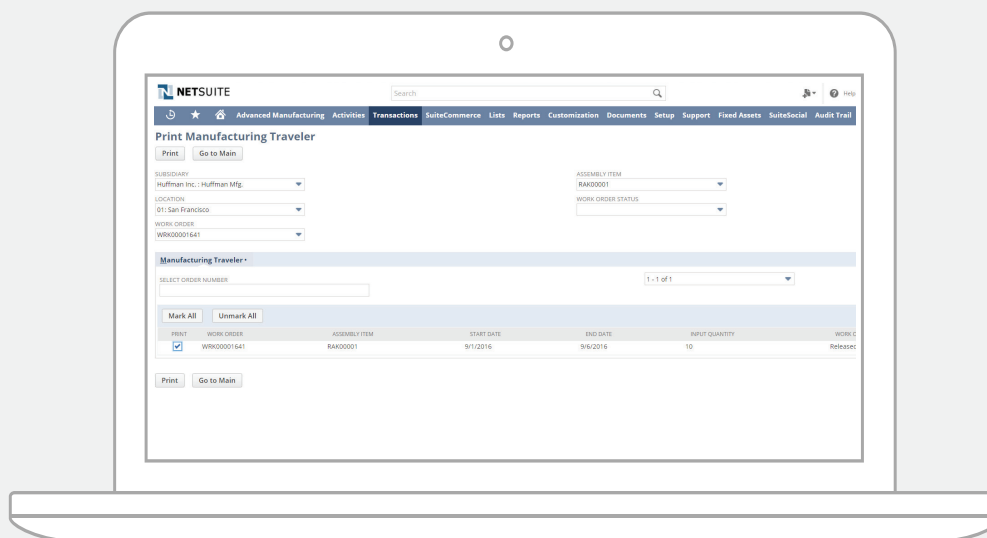
Component	Quantity
RAK000001	1

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.

The screenshot shows the 'Work Order' form in NetSuite. The form includes fields for 'Work Order Number' (WRK00001641), 'Status' (Released), 'Quantity' (10), and 'Location' (01 San Francisco). It also shows a 'Bill of Materials' section with a table of components and their quantities.

Component	Quantity
RAK000001	10



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.

Work Order

WRK00001641

RELEASED

Edit

Back

Issue Components

Enter Completion

Enter Completion with Backflush

Close

Print BOM

Actions

Primary Information

ORDER # WRK00001641	ASSEMBLY RAK00001	QUANTITY 10	PROMISE DATE 9/5/2016
DATE 9/1/2016	LOCATION 01: San Francisco	STATUS Released	PRODUCTION START DATE 9/1/2016
SUBSIDIARY Huffman Mfg.	MANUFACTURING ROUTING RAK00001-US	<input checked="" type="checkbox"/> FIRMED	PRODUCTION END DATE 9/6/2016
CUSTOMER	<input checked="" type="checkbox"/> BUILD SUB-ASSEMBLIES	REVISION C	QUANTITY SCRAPPED 0
PROJECT	<input checked="" type="checkbox"/> WIP	REVISION MEMO Item Substitution using Composite Materials.	BUILT 0
	WORK ORDER TYPE		PLANNER

Items

Operations

Planned Time

Related Transactions

Communication

System Information

Activities

Files

User Notes

ATTACH EXISTING FILES

<Enter first few letters then tab>

Attach

New File

ATTACHED FILES	FOLDER	SIZE (KB)	LAST MODIFIED	DOCUMENT TYPE	REMOVE	EDIT	DOWNLOAD
Rack Install Instructions	Assembly Instructions	2,167	9/1/2016 2:36 pm	PDF File	Remove	Edit	download

Edit

Back

Issue Components

Enter Completion

Enter Completion with Backflush

Close

Print BOM

Actions

Items Operations Planned Time Related Transactions Communication System Information															
Items • AM Work Order CoProduct															
ITEM	OPERATION	DESCRIPTION	QUANTITY	UNITS	ON HAND	AVAILABLE	COMMITTED	BACK ORDERED	COMMIT	COMPONENT YIELD	BOM QUANTITY	CREATE WO	PLANNED COMPONENT ISSUE DATE	HISTORY	
CMP00001	10	Composite Sheet, 3/8" thick, 4x8 sheets	1,000	SF	9,000	7,200	1,000	0	Available Qty	75.0%	750		9/1/2016 9:00 am	History	
ASY00002		3 Drawer Tower Assembly	20	Ea	700	626		0	Available Qty	100.0%	20		9/1/2016 9:00 am	History	
PLY00001	30	Plywood Sheet, 1/2" thick, 4x8 sheets	200	SF	14,900	4,003	200	0	Available Qty	80.0%	160		9/2/2016 4:00 pm	History	
STA00001	30	Stain	10	Gal.	1,499	1,072	10	0	Available Qty	100.0%	10		9/2/2016 4:00 pm	History	
ASY00001		Drawer Assy	60	Ea	900	521		0	Available Qty	100.0%	60		9/1/2016 9:00 am	History	
PLY00001	30	Plywood Sheet, 1/2" thick, 4x8 sheets	350	SF	14,900	4,003	350	0	Available Qty	60.0%	210		9/2/2016 4:00 pm	History	
ASY00006		Handle (new Design)	120	Ea	0	0		0	Available Qty	100.0%	120		9/1/2016 9:00 am	History	

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.