



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

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Process Flow

Assembly Item

Work Order

Assembly Build

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.

The screenshot shows the 'New Item' form in Oracle NetSuite. The 'ITEM TYPE' is set to 'Assembly'. Under 'Inventory Item', 'Lot Numbered' and 'Serialized' are both checked. The 'Item Group' is set to 'Kit/Package'. The 'Markup' is set to 'Non-inventory item'. The 'Assembly Build' section is visible, showing 'ASSYB167' and 'Save & New' button. The 'Primary Information' section includes 'CUSTOMER' (Demco), 'REFERENCE #', 'ASSEMBLY' (BOM160 BOM160), 'BOM160 BOM160', and 'BOM160 BOM160'. The 'Scheduling Details' section shows 'PRODUCTION START DATE' (03/18/2020) and 'PRODUCTION END DATE' (03/18/2020). The 'Classification' section shows 'DATE' (03/18/2020) and 'CUSTOMER' (eTime then this).

The screenshot shows the 'Work Order' form in Oracle NetSuite. The 'ORDER #' is 'WO621' and the status is 'RELEASED'. The 'CUSTOM FORM' is 'AM Work Order Form (Demo)'. The 'SUBSIDIARY' is 'United States' and the 'LOCATION' is 'San Francisco'. The 'ASSEMBLY' is 'ASV200 Assembly for Ultrasound Monitor'. The 'Scheduling Details' section shows 'PRODUCTION START DATE' (03/18/2020) and 'PRODUCTION END DATE' (03/18/2020). The 'Classification' section shows 'DATE' (03/18/2020) and 'CUSTOMER' (eTime then this).

Print Manufacturing Traveler

Print Go to Main

SUBSIDIARY LOCATION WORK ORDER

ASSEMBLY ITEM WORK ORDER STATUS

SELECT ORDER NUMBER 101 - 104 of 104

Mark All Unmark All

PRINT	WORK ORDER	ASSEMBLY ITEM	START DATE	END DATE	INPUT QUANTITY	WORK ORDER STATUS
<input type="checkbox"/>	WO606	SAP100	09/22/2020	09/22/2020	1	Released
<input type="checkbox"/>	WO607	SSP100P	09/23/2020	09/23/2020	400	In Process
<input type="checkbox"/>	WO608	SSP100CTP	09/23/2020	09/23/2020	20	In Process
<input checked="" type="checkbox"/>	WO621	ASV200	09/18/2020	09/18/2020	1	Released

Print Go to Main

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 RELEASED

Save Cancel Actions

Primary Information

ORDER # WO621 ASSEMBLY * ASV200 Assembly for Ultrasound Monitor

CUSTOM FORM * AM Work Order Form (Demo)

QUANTITY * 1

MEMO

SUBSIDIARY United States LOCATION San Francisco

Scheduling Details

PRODUCTION START DATE 09/18/2020 SCHEDULING METHOD * Backward

PRODUCTION END DATE 09/18/2020 STATUS Released

Classification

DATE * 09/18/2020 PROJECT DISPATCHMENT Production

Items Operations Planned Time Inspection Analysis Communication Related Records System Information Custom Advanced Manufacturing NS WMS EFT Production Data Source Transaction Case Record Target Transaction Case Record

Activities Files User Notes

ATTACH EXISTING FILES

<Type then tap>

Attach New File

ATTACHED FILES	FOLDER	SIZE (KB)	LAST MODIFIED	DOCUMENT TYPE	REMOVE	EDIT	DOWNLOAD
Work Instructions	Solar Atix Fan Images	14	09/15/2020 3:28 PM	Word File	Remove	Edit	Download

Save Cancel Actions

Items • AM Work Order CoProduct																
ITEM*	DESCRIPTION	BOM QUANTITY	QUANTITY	UNITS	INVENTORY DETAIL	COMMITTED	USED IN BUILD	BACK ORDERED	AVAILABLE	ON HAND	COMPONENT YIELD	COMMIT	COMMITMENT CONFIRMED	ITEM SOURCE	PO VENDOR	PLANNED COMPONENT ISSUE DATE
PCB005 PCB Board	PCB Board		1 Ea			1	0	0	39	56		Available Qty		Stack		03/15/2020 3:45 pm
MNB001 Monitor Base	Monitor Base		1 Ea			1	0	0	39	56		Available Qty		Stack		03/15/2020 3:45 pm
MNB001 Monitor Case	Monitor Case		1 Ea			1	0	0	39	56		Available Qty		Stack		03/15/2020 3:45 pm
LCD015 15" LCD Display	15" LCD		1 Ea			1	0	0	39	56		Available Qty		Stack		03/15/2020 3:45 pm

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 Reset Actions

Primary Information

CUSTOM FORM: Assembly Build Demo

REFERENCE: ASSYB167

ASSEMBLY: BOM100-BOM100

BILL OF MATERIALS: BOM100-Bom

BILL OF MATERIALS REVISION: Revision 1

BUILDABLE QUANTITY: 10

QUANTITY TO BUILD: 4

UNITS: BAKE10

PROJECTED VALUE: 0.00

INVENTORY DETAIL

DATE: 03/16/2020

POSTING PERIOD: MAR 2020

MEMO:



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