



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 analyse production plans based on actual production times

## 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 serialised. 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, optimise 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 'Description' field is empty. The 'Inventory Item' section shows 'Lot Numbered' and 'Serialized' are both checked. The 'Item Group' is set to 'Kit/Package'. The 'Markup' is set to 'Non-inventory Item'. The 'Buildable Quantity' is 10, 'Quantity to Build' is 4, 'Units' is 'EACH', and 'Projected Value' is '\$0.00'. The 'Inventory Detail' section shows 'DATE' as 03/16/2020, 'POSTING PERIOD' as Mar 2020, and 'MEMO' is empty.

The screenshot shows the 'Work Order' form in Oracle NetSuite. The 'ORDER #' is WO621. The 'CUSTOM FORM' is 'AM Work Order Form (Demo)'. The 'SUBSIDIARY' is 'United States' and the 'LOCATION' is 'San Francisco'. The 'ASSEMBLY' is 'ASY200 Assembly for Ultrasound Monitor'. The 'MARK SUB-ASSEMBLIES PHANTOM' checkbox is checked. The 'QUANTITY' is 1. The 'MEMO' is empty. The 'Scheduling Details' section shows 'PRODUCTION START DATE' as 03/18/2020, 'PRODUCTION END DATE' as 03/18/2020, 'SCHEDULING METHOD' as 'Backward', and 'STATUS' as 'Released'. The 'Classification' section shows 'DATE' as 03/16/2020, 'CUSTOMER' as 'aTime than Fab', 'PROJECT' as 'Medical Devices', and 'CLASS' as 'Medical Devices'.

ORACLE NETSUITE   Help Feedback Cathy Cadigan 20.1 Mfg Leading Master - Administrator

Activities Advanced Manufacturing Payments Transactions Lists Reports Analytics Documents Setup Customization Quality Fixed Assets Projects WMS Demo Assist Support

### Print Manufacturing Traveler

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SUBSIDIARY   
 LOCATION   
 WORK ORDER

ASSEMBLY ITEM   
 WORK ORDER STATUS

Manufacturing Traveler •

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	SAF100	03/22/2020	03/22/2020	1	Released
<input type="checkbox"/>	WO607	SSP100P	03/23/2020	03/23/2020	400	In Process
<input type="checkbox"/>	WO608	SSP100CTP	03/23/2020	03/23/2020	20	In Process
<input checked="" type="checkbox"/>	WO621	ASY200	03/18/2020	03/18/2020	1	Released


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## Work Order Traveller

The traveller 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 traveller. This offers a quick and easy method to issue additional information to the production team.

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### Work Order

WO621 **RELEASED**

[Save](#) [Cancel](#) [Actions](#)

Primary Information

ORDER #  
WO621

CUSTOM FORM  
AM Work Order Form (Demo)

SUBSIDIARY  
United States

LOCATION  
San Francisco

ASSEMBLY  
ASY200 Assembly for Ultrasound Monitor

MARK SUB-ASSEMBLIES PHANTOM

QUANTITY  
1

MEMO

BILL OF MATERIALS REVISION  
Rev. A

MANUFACTURING ROUTING  
ASY200

WIP

BILL OF MATERIALS  
ASY200 Bom

Scheduling Details

PRODUCTION START DATE  
03/18/2020

PRODUCTION END DATE  
03/18/2020

SCHEDULING METHOD  
Backward

STATUS  
Released

FIRMED

PROMISE DATE  
03/19/2020

Classification

DATE  
03/18/2020

PROJECT

DEPARTMENT  
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 tab>

[Attach](#) [New File](#)

ATTACHED FILES	FOLDER	SIZE (KB)	LAST MODIFIED	DOCUMENT TYPE	REMOVE	EDIT	DOWNLOAD
Work Instructions	Solar Attic Fan Images	14	03/16/2020 3:28 pm	Word File	Remove	Edit	download

[Save](#) [Cancel](#) [Actions](#)

