

# NetSuite Work Orders and Assemblies

Streamline basic manufacturing and assembly, optimize inventory and improve productivity

## BENEFITS

- Optimized inventory levels
- Cost reductions and avoidance
- Productivity improvements

## KEY CAPABILITIES

- Manufacture products and create assemblies to distribute or sell
- Build inventory products from raw materials
- Assemble inventory kits or assemblies before the sale of the item
- Determine the costing and margins for an item or bundle of products
- Compile materials lists needed to manufacture an item or items

Manufacturers are continually challenged to balance the management of work orders for both inventory stock production and special orders, while wholesale distributors often have basic assembly and light manufacturing requirements to fulfill orders. NetSuite's Work Orders and Assemblies module extends the end-to-end processes of NetSuite with specialized capabilities for manufacturers, wholesale distributors and others that need to assemble products or perform basic manufacturing activities.

Leveraging Work Orders and Assemblies, organizations can manage simple manufacturing capabilities such as the assembly of products, creating inventory products from raw materials, assembling inventory kits, calculating assembly costs and compiling materials lists.

## Assembly Management

NetSuite's assembly management capabilities enable you to more effectively manage component quantities and multi-level assemblies using revision or effectivity dates if necessary. Building on NetSuite's core strength in inventory and warehouse management, NetSuite allows multi-level assemblies to be built one level at a time or all at once.

## Work Orders

NetSuite's work order capabilities allow manufacturers to readily plan the build process for production work orders to actively replenish inventory levels of finished goods. Alternatively, you can create special order work orders to build to exact specifications for a particular customer and order.

The screenshot shows the NetSuite interface for a Bill of Materials Inquiry. The header includes the NetSuite logo, company name 'HoneyComb Manufacturing Co.', and user information 'Honeycomb Mfg - Brad M Spurling (02: Engineering)'. The navigation bar shows 'Home', 'Activities', 'Box Files', 'R&D', 'BOMs', 'Routings', and 'Support'. The main content area is titled 'Bill of Materials Inquiry' and includes filters for 'Subsidiary: Honeycomb Mfg.', 'Assembly: RAK00001@', 'Unit of Measure: Each', and 'Location: 01: San Francisco'. A table below displays the BOM details with columns for Component Name, Level, Quantity per Assembly, Quantity per Top Level Assembly, On Hand, Available, Back Ordered, On Order, Unit of Measure, and Display Name.

Component Name	Level	Quantity per Assembly	Quantity per Top Level Assembly	On Hand	Available	Back Ordered	On Order	Unit of Measure	Display Name
SHT00001	1	56	56	2,438	0	3,226	9,632	Square Feet	Plywood, 4x8 sheets
ASY0000@	1	2	2	-176	0	74	262	Each	Drawer Tower Assembly
ASY00001@	2	3	6	698	26	0	108	Each	Drawer Assy
SHT00001	3	3.5	21	2,438	0	3,226	9,632	Square Feet	Plywood, 4x8 sheets
HAN0000@	3	2	12	0	0	0	0	Each	Handle (new Design)
HAN0000GR	4	1	12	0	0	0	0	Each	Casting for New Handle
SHT00001	2	8	16	2,438	0	3,226	9,632	Square Feet	Plywood, 4x8 sheets
STA00001	2	0.5	1	579	407	0	0	Gallon	Stain
ASY00001@	1	6	6	698	26	0	108	Each	Drawer Assy
SHT00001	2	3.5	21	2,438	0	3,226	9,632	Square Feet	Plywood, 4x8 sheets
HAN0000@	2	2	12	0	0	0	0	Each	Handle (new Design)
HAN0000GR	3	1	12	0	0	0	0	Each	Casting for New Handle
HAN0000B	1	4	4	1,246	1,246	0	0	Each	Hinge
STA00001	1	2	2	579	407	0	0	Gallon	Stain
HAN0000@	1	2	2	0	0	0	0	Each	Handle (new Design)
HAN0000GR	2	1	2	0	0	0	0	Each	Casting for New Handle

Bill of Materials Inquiry provides detailed information across a BOM

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**Work Order: WRK00000252** Status: Pending Build

Assembly: CFF00001  
Subsidiary: Honeycomb Mfg.  
Build Sub-Assemblies:   
WIP:   
Date: 4/1/2013  
Manufacturing Routing:   
Promise Date: 4/5/2013  
Order #: WRK00000252

Quantity: 1  
Units: Each  
Buildable: 0  
Built: 0  
Location: 01: San Francisco

Customer Department:   
Job:   
Class:   
Memo:   
Production Start Date: 4/1/2013  
Production End Date: 4/5/2013  
Revision:   
Priority: 50

Item	Description	Options	Available	Committed	Back Ordered	Used in Build	Quantity	Inventory Detail	Create PO	Create WO	Related Asset	Logo
FRA00001	Black Picture Frame, 2"		0 Available Qty	0	3.16667	0	3.16667		Spec. Ord.			
MAT00004	Pink Matting		0 Available Qty	0	1.95956	0	1.95956		Spec. Ord.			
GLA00003	Museum Glass		0 Available Qty	0	1.95956	0	1.95956		PUR00001314			
BAC00002	Backing		0 Available Qty	0	1.95956	0	1.95956		Spec. Ord.			
WRK00002	Strong Hanging Wire		0 Available Qty	0	0	0	0					
LAB00001							2.5					

Detailed Work Order Record provides information on work orders and their status

## Bill of Materials

NetSuite's bill of materials functionality enables you to define the components required for a single assembly plus all the components required by a particular work order. Assembly instructions can also be included in the printable BOM in PDF format. Since every build process requires a bill of materials that outlines the components required to successfully build finished goods, NetSuite tightly couples BOMs with both assemblies and work orders.

## Demand-Based Inventory Replenishment

NetSuite allows manufacturers to dynamically set re-order points and preferred stock levels for components of assemblies as well as finished goods, based on a variety of factors including average lead time, historical or seasonal sales demand, and number of days from supply to stock. Work orders drive the demand for components as they are completed, thereby automating the replenishment of source materials and components. For companies requiring more sophisticated demand planning capabilities, NetSuite provides advanced functionality in its Demand Planning module.

## Product History Tracking

NetSuite gives employees critical inventory information by maintaining a complete history for each product assembly and kit throughout the entire lifecycle. When you sell an assembly, you can show it as a single final product, or as a final product with all its components individually listed and serialized. You can use a variety of build materials, including inventory, non-inventory and service items, to assemble a final product, and use your existing inventory more cost-effectively by undoing builds and reusing their components. The warehouse maintains the complete details of an assembly, leading to more efficient tracking of component levels and improved inventory management.

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