

NetSuite Work Orders and Assemblies

Streamline Manufacturing, Optimize Inventory and Improve Productivity

NetSuite Work Orders and Assemblies provides capabilities such as the assembly of products, creating inventory products from raw materials, assembling inventory kits, calculating assembly costs and compiling materials lists.

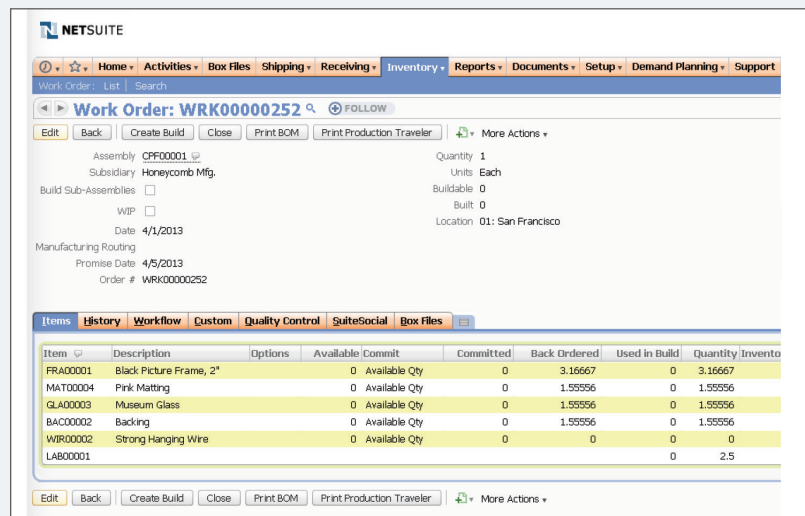
Key Benefits

- Improve costs and avoid unnecessary expenses.
- Optimize inventory levels while continuing to meet customers' delivery expectations.
- Accomplish more with existing production resources.

Solution Highlights

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 Work Order record. The top navigation bar includes Home, Activities, Box Files, Shipping, Receiving, Inventory, Reports, Documents, Setup, Demand Planning, and Support. The main header displays 'Work Order: WRK00000252' with a search icon and a 'FOLLOW' button. Below the header are several action buttons: Edit, Back, Create Build, Close, Print BOM, Print Production Traveler, and More Actions. The record details include: Assembly CFF00001, Subsidiary Honeycomb Mfg., Quantity 1, Units Each, Buildable 0, Built 0, Location 01: San Francisco, Date 4/1/2013, Manufacturing Routing, Promise Date 4/5/2013, and Order # WRK00000252. A tabbed interface below shows 'Items' selected, displaying a table with columns: Item, Description, Options, Available, Commit, Committed, Back Ordered, Used in Build, and Quantity Inventory. The table lists several items with their respective quantities and statuses.

| Item | Description | Options | Available | Commit | Committed | Back Ordered | Used in Build | Quantity Inventory |
|----------|-------------------------|---------|-----------|---------------|-----------|--------------|---------------|--------------------|
| FRA00001 | Black Picture Frame, 2" | | 0 | Available Qty | 0 | 3.16667 | 0 | 3.16667 |
| MAT00004 | Pink Matting | | 0 | Available Qty | 0 | 1.55556 | 0 | 1.55556 |
| GLA00003 | Museum Glass | | 0 | Available Qty | 0 | 1.55556 | 0 | 1.55556 |
| BAC00002 | Backing | | 0 | Available Qty | 0 | 1.55556 | 0 | 1.55556 |
| 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.

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.

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.

The screenshot shows the NetSuite 'Bill of Materials Inquiry' interface. It includes a navigation bar with 'Home', 'Activities', 'Box Files', 'R&D', 'BOMs', 'Routings', and 'Support'. The main area displays the following information:

- Subsidiary: Honeycomb Mfg.
- Assembly: RAK00001
- Unit of Measure: Each
- Location: 01: San Francisco
- Top Level Only:
- BOM Display Control: By Revision
- Date: 5/1/2013
- Revision: B

Below this is a 'Customize' button and a table with the following data:

| Component Name | Level | Quantity per Assembly | Quantity per Top Level Assembly | On Hand | Available | Back Ordered |
|----------------|-------|-----------------------|---------------------------------|---------|-----------|--------------|
| SHT00001 | 1 | 56 | 56 | 2,438 | 0 | 3,226 |
| ASY00002 | 1 | 2 | 2 | -176 | 0 | 74 |
| ASY00001 | 2 | 3 | 6 | 698 | 26 | 0 |
| SHT00001 | 3 | 3.5 | 21 | 2,438 | 0 | 3,226 |
| HAN00002 | 3 | 2 | 12 | 0 | 0 | 0 |
| HAN00002R | 4 | 1 | 12 | 0 | 0 | 0 |
| SHT00001 | 2 | 8 | 16 | 2,438 | 0 | 3,226 |
| STA00001 | 2 | 0.5 | 1 | 579 | 407 | 0 |
| ASY00001 | 1 | 6 | 6 | 698 | 26 | 0 |
| SHT00001 | 2 | 3.5 | 21 | 2,438 | 0 | 3,226 |
| HAN00002 | 2 | 2 | 12 | 0 | 0 | 0 |
| HAN00002R | 3 | 1 | 12 | 0 | 0 | 0 |
| HDW00008 | 1 | 4 | 4 | 1,422 | 1,246 | 0 |
| STA00001 | 1 | 2 | 2 | 579 | 407 | 0 |
| HAN00002 | 1 | 2 | 2 | 0 | 0 | 0 |
| HAN00002R | 2 | 1 | 2 | 0 | 0 | 0 |

Bill of Materials Inquiry provides detailed information across a BOM.

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 serialised. 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.