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NETSUITE ADVANCED MANUFACTURING

A Single, Unified Solution for Modern Manufacturers

NetSuite Advanced Manufacturing delivers a single integrated cloud solution that replaces the disconnected systems that are used by manufacturers today. It offers comprehensive functionality and is specifically designed to help manufacturers of all sizes reduce operating costs, increase revenue and better manage their business and supply chain processes overall.

Key Benefits

- Improve operational effectiveness
- Reduce 'Cost to Produce'
- Faster Time to Value
- Unified solution—reduce reliance on third parties
- Improve quality, service and through-put
- Variance management: compare actual versus standard
- One version of the truth
- Integrate Plant to Enterprise (P2E)
- Manufacturing information and intelligence

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"With NetSuite Advanced Manufacturing we have a flagship business and manufacturing system. The integrated solution is seamless and is the best that I have worked with including the largest Tier 1 solutions."
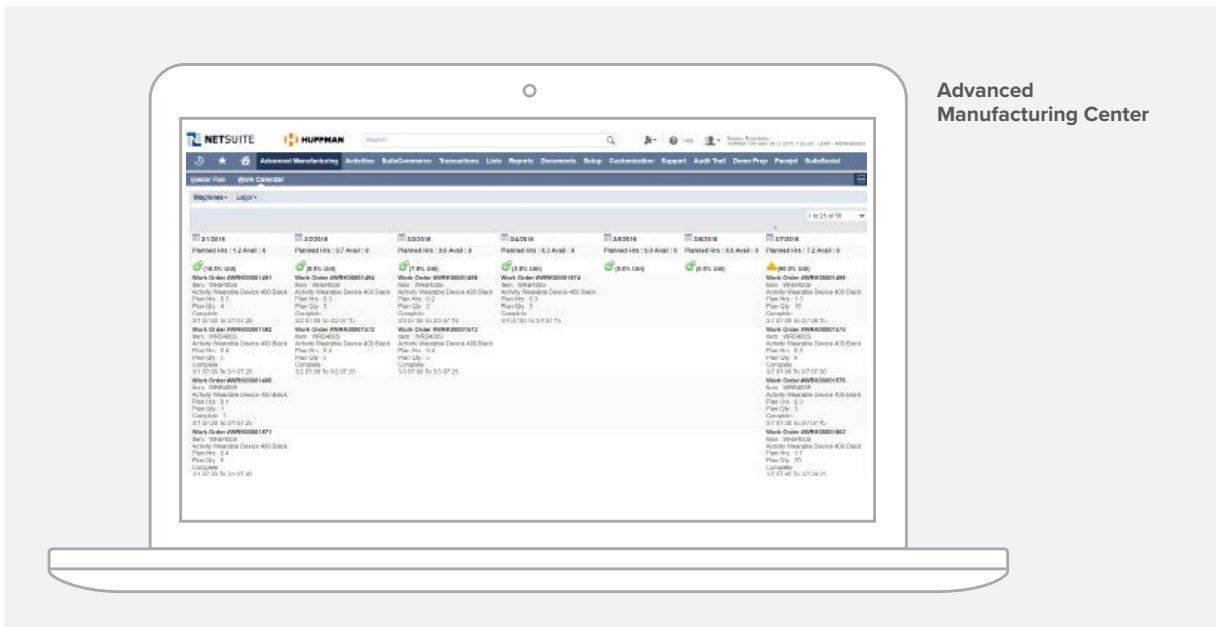—CraftMark Bakery

Advanced Manufacturing Center

NetSuite provides a powerful vertically-integrated solution to help manufacturers manage their business more profitably from Order to Cash through Build to Ship. NetSuite's Advanced Planning and Scheduling capabilities enable customers to effectively plan their shop floor and supply chain activities, improving capacity and resource utilization, culminating in lower operating costs.

Functionality for Batch or Process Manufacturers

Built for batch or process manufacturers, NetSuite Advanced Manufacturing includes all the functionality outlined for discrete manufacturing as well as an expanded Manufacturing Work Bench Record Structure to include: alternate assets, co-products, and detailed work instructions for Recipe/Formulation management and optional quality management. Additional functionality supports FIFO material issuance for raw and bulk lot controlled items as well as Batch Travelers (bar code enabled) with automatic Batch Lot ID for full lot track traceability and enhanced material issuance control. Supports full MES and Manufacturing Operations Management capabilities. This is available for OneWorld customers.

Advanced Manufacturing Center

PLANNED START	ITEM	WORK ORDER	OPERATION	ORDERED	PRODUCED
03/12/2016	HUM200L	WRK00000763	10	50	25
03/12/2016	HUM200L	WRK00000763	30	50	25
03/12/2016	HUM200L	WRK00000763	20	50	25
03/18/2016	HUM200L	WRK00000765	30	25	
03/18/2016	HUM200L	WRK00000765	10	25	
03/18/2016	HUM200L	WRK00000765	20	25	
03/21/2016	HUM200L	WRK00000766	30	75	33
03/21/2016	HUM200L	WRK00000766	10	75	33

Functionality for Discrete / Assembly Manufacturers

Functionality for Discrete/ Assembly Manufacturers

NetSuite Advanced Manufacturing enables Discrete/Assembly Manufacturers to run core business operations by providing deep industry functionality such as parameterized configuration options by location, configurable work order completion logic, enhanced BOM and Work Order Record. Comprehensive Manufacturing Work Bench Record includes: enhanced operations routings, primary and alternate finite planning parameters, labor requirements, detailed work instructions and optional quality management. Additional features: configurable Shop Floor Travelers (bar code enabled), Rough-Cut Capacity Planning, Dynamic Schedule Codes, Finite Production Scheduling and enhanced Work Order Release capabilities. Supports full MES and Manufacturing Operations Management capabilities. Available to OneWorld customers.

Manufacturers Pain Points

- Discrete/Process/Batch environment with Recipe Management
- Resource Capacity Planning
- Finite Production Scheduling (calendar, graphical Gantt or dispatch list views)
- Enhanced Work Order Release Management
- Integrated Quality Management with full Lot track traceability
- Native mobility: web-based bar code scanning/wireless data capture options
- Full advanced Manufacturing Execution System (MES) capabilities
- Advanced Work Order Completion options
- Real-time capture and visualization of Manufacturing Performance Metrics
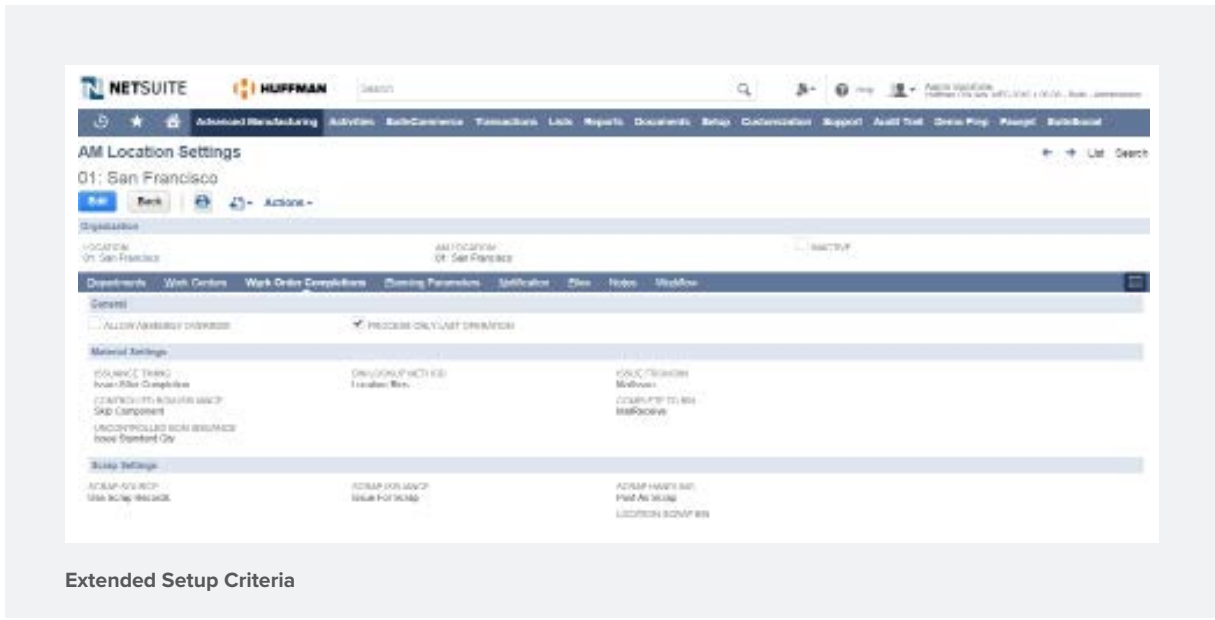
Quality Management

Quality Management

Quality Management capabilities support quality and inspection criteria for Incoming, Work-In-process and Outbound inspection profiles. Customizable QA Test and Inspection records includes support for Statistical Parameters (N, LCL, UCL), Pass/Fail, Signature, Lot/Serial #, Inspector Name, Non-Conformance codes and integration into NetSuite's Workflow engine and File Cabinet content. Quality sub-list installed in NetSuite's Workbench Record and Inventory Item Master File. Capabilities include customizable data entry formats and dashboards. This is an optional feature set.

Mobile Capability

NetSuite's native mobile feature set supports fully integrated bar code scanning and wireless tablet functionality for real-time Manufacturing Execution System (MES) reporting capabilities for: Express Data Entry, Work Order Completion (partial or full), Material Issuance, Downtime, Quality

Manufacturers Pain Points

- Missing critical manufacturing execution and control functionality
- Limited manufacturing operations management capabilities
- Patch work of disconnected systems not designed to work together
- Manufacturing processes not standardized
- Stagnant continuous improvement process
- Lack real-time dashboards and actionable information
- Inventory and Work Capital Management out of alignment
- High operating costs
- Plant not linked to enterprise business system (P2E)
- Reliance on Excel spreadsheets or manual systems
- Aging business systems

Extended Setup Criteria

as well as actual Labor or Machine Hours reporting by employee ID. NetSuite's scanner capabilities also support lite WMS transactions for: PO Receipt & Put-Away, Material Issuance, Transfer or Move as well as Pick, Pack and Ship. Additional scanner features and default behavior can be selected based on your location or configuration settings. e.g. automated work order completion or material transactions.

Extended Setup Criteria

Running a manufacturing business requires multiple ways to control how and when you release work orders and other processes. From the Advanced Manufacturing Admin Console you can find all the settings you need to configure NetSuite to operate in the most efficient way to suit your environment.

NetSuite Manufacturing Editions

NetSuite offers three options to help you deploy our manufacturing functionality to most closely match your manufacturing needs. In addition, if you have different manufacturing locations you can opt to make the same item in a different way at each location.

Work Orders & Assemblies works best for companies who do some light assembly but don't need to track work in process or the labor separately.

WIP & Routings adds the ability to define work centers, routings, track labor costing, infinite capacity scheduling and provides a Gantt chart with drag-and-drop functionality.

Advanced Manufacturing provides for those looking for complete control of all aspects of their manufacturing processes including finite capacity scheduling, quality management and manufacturing execution.

You can seamlessly upgrade from one edition to another.

	Work Orders & Assemblies	WIP & Routings	Adv Mfg
Work Orders	X	X	X
Assembly Builds (Work Order-less Manufacturing)	X	X	X
Backflushing	X	X	X
Work Center Management		X	X
Routing Definition & Labor Costing		X	X
WIP Tracking		X	X
Infinite Capacity Scheduling		X	X
Gantt View with Drag-and-Drop		X	X
Finite Capacity Scheduling			X
Rough Cut Capacity Planning			X
Advanced WO Mgmt & Control			X
Batch Management & Control			X
Manufacturing Execution			X
Quality Mgmt			X

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