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Mid-Market Manufacturing Solutions

Microsoft
CERTIFIED
Partner

Horizons Manufacturing Suite for Microsoft Great Plains

Horizons Manufacturing Suite

Horizons Manufacturing Suite (HMS) is a manufacturing application supporting process and discrete manufacturers. It is a system that integrates seamlessly with Microsoft Great Plains.

The full reach of manufacturing information needs, from Bills of Material with specialty calculations for process and discrete manufacturers through Shop Floor Control and Scheduling, can be found in this product.

Manufacturers can simplify their inventory planning and production control needs with module selections that customize the product to specific industries or niches.

The availability of MRP, MPS and Engineering Change Order modules advances the type of standard functionality not often found in solutions of this price. This makes the product suitable to support growing engineering, job shop, life science and equipment manufacturers, as well as those involved in virtual or outsourced manufacturing activities.

Additional functionality to support batch process formulas and calculations with serial and lot control traceability ensures a solution fit for industries related to food processing, brewing, recycling and other lifestyle or cosmetic niches.

Start Small. Go Big.

The complete suite of HMS products has been developed and distributed to aid today's manufacturers as they grow and develop their products and businesses.

Small Manufacturer - HMS Small Business Manufacturing

Young organizations will benefit from using the HMS Small Business Manufacturing products to track the costs and production processes for product development and specialty items. When robust production is achieved and business processes grow, whether it is local or outsourced, these manufacturers will be able to move easily to the HMS Basic product.

Small to Medium-Sized Manufacturer - HMS Basic

The functionality, look and feel of the HMS Basic product builds directly on the Small Business Manufacturing tools, ensuring easy adjustment to expanded functionality. Users will experience limited down time and training costs due to the similarity across the suite of products.

Medium-Sized Manufacturer - Horizons Manufacturing Suite

When an organization has MRP, Shop Floor Control or Engineering Change Order needs, the transition to the flagship HMS Manufacturing Suite will be simple and smooth, building on the users knowledge of the foundation products. This advanced functionality will help achieve inventory reductions with better on-time performance across multiple sites with multiple bins and additional costing tools.



HORIZONS
INTERNATIONAL
Start small. Go big.



Asia Pacific Exclusive Distributor:

GURANGO
Software
www.gurango.com

Horizons Manufacturing Suite Modules

Production Entry

- Supports creation of work orders for material and production planning needs.
- Real time costs can be viewed and materials may be issued, backflushed or pulled from floorstock locations.
- Adjusting and substituting materials with alternates or new items is completed right on the work order, reducing process time and task related overhead.
- When combined with routing or extended with the Shop Floor Control module, the work order will support collecting real time shop floor costs, detailed analysis of performance, and the ability to schedule by operation start and stop time.
- Materials planning needs can be viewed and analysed based on existing purchases, open work orders, open sales orders and existing multi-site on hand inventory.
- For make to order or assemble to order manufacturers and distributors, the integration between sales order entry and work order creation provides a single step method of creating work instructions that are both cost effective and timely.

Standard	Incurred	Base Standard	Current Standard	Incurred Costs	Estimated Variance
Days Hrs Mins	Days Hrs Mins				
Run Time	0 0 0.000	0.00	1,966.77	1,966.80	(0.04)
Flat Time	0 0 0.000	0.00	9.90	9.90	0.00
Total Time	0 0 0.000	0.00	2,116.01	2,116.04	(0.04)

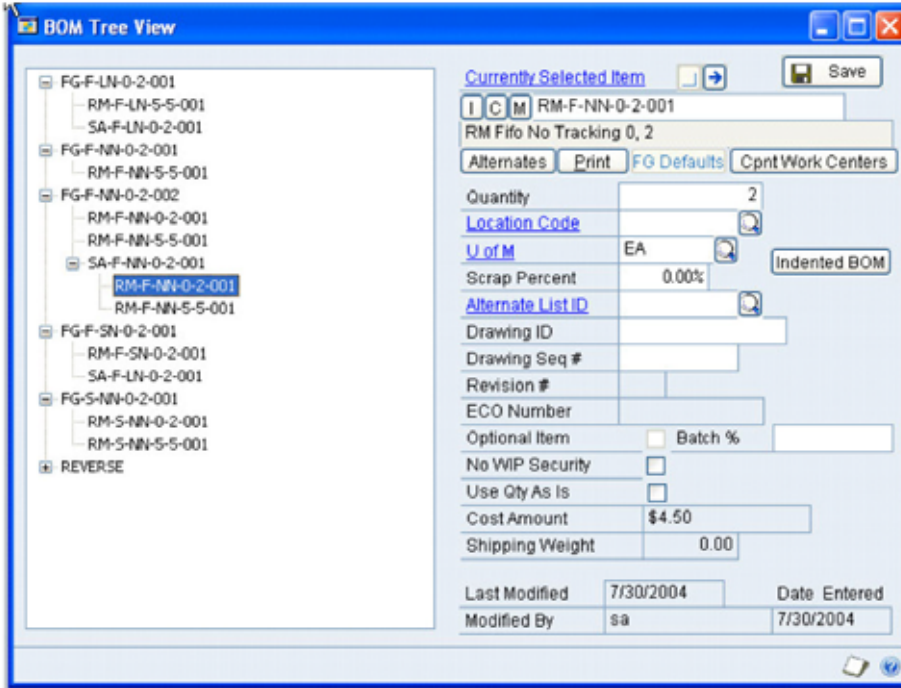
Step	Operation ID	Cost Center ID	Work Center	Type	Start Date	End Date	Hrs & Mins	Start Time	End Time	Add
10	BUILD	LABOR TWO	TWO	Labor	4/12/2007	4/12/2007	0 0.000	12:00:00 AM	12:00:00 AM	
					WVO-0000054		1	\$25.00 Per Hour		\$0.00
20	PREP	LABOR ONE	ONE	Labor	4/12/2007	4/12/2007	0 0.000	12:00:00 AM	12:00:00 AM	
					WVO-0000054		1	\$10.00 Per Hour		\$0.00
0					000000	000000	0 0.000	12:00:00 AM	12:00:00 AM	
							0	\$0.00		\$0.00

MRP

- Helps manufacturers calculate their on going materials needs based on sales forecasts, sales orders and existing materials plans.
- Inventory carrying costs and risks for developing obsolete or excess inventory are reduced with the elimination of reorder point or two bin material planning methods.
- Speedy calculation process supports users in running MRP daily for those operating in rapidly changing environments.
- Smooth transition between purchasing and production activity windows supports those teams where staff cover multiple functions and have limited time for additional analysis or review of calculation suggestions.
- Adjusting of assigned vendors, splitting or increasing of proposed work orders, and forecasting needs by customer are a few of the features that support highly efficient task execution and Just-in-Time materials planning goals.

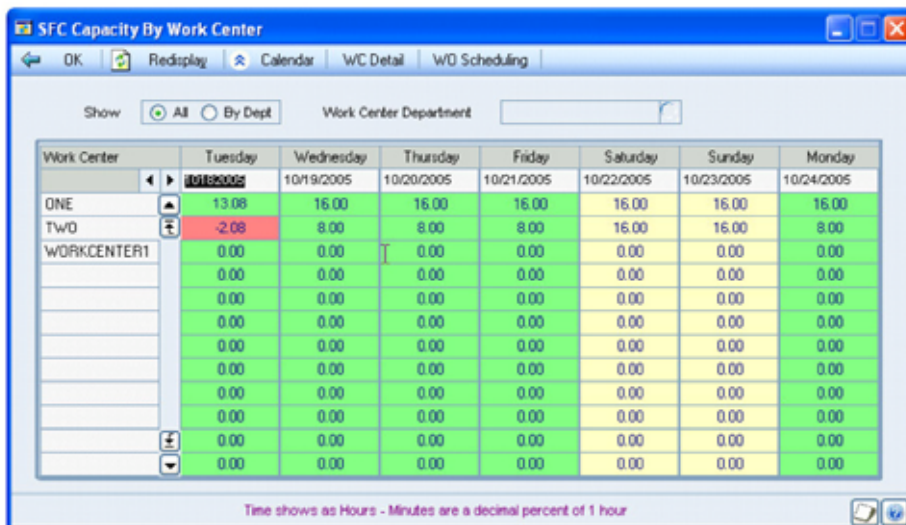
Bill of Materials

- Supports a wide range of Bill types: reverse (one component to many end items), batch or per cent based component quantities, scalable formulas, traditional discrete bill structures.
- Allows unlimited multi-level Bills with a variety of access methods and views including graphical displays with drill down details of inventory availability.
- Costing for make items may be standard, actual or a combination of both and current cost information is displayed for planning and estimating purposes.



Shop Floor Control

- Builds on the basic data supplied by the Bill of Material and Routing modules.
- Operation details with flat and run times, along with costing calculations, support both forward and backward infinite scheduling needs.
- A color coded capacity planning chart, by work center and date, with drill through to production details, provides easy visual cues for production management.



- Customer service may track activity completion and status in real time ensuring rapid accurate response to customer inquiries with no more running around the plant for answers.
- Priority activity is easily identified and communicated to shop floor staff reducing the cost of errors and ensuring that orders are produced on time and complete.



Engineering Change Order

- Supports those industries where control of revision levels for both assembled and component items is useful.
- Historical revision data supports easily creating or building products for customers that will match existing items.
- Approvals security supports workflow activities to ensure proper evaluation of all pending changes and materials dispositions.

Item Number	M	Primary	Revision	Effective	Cmnt	Quantity	Add	Delete	Item Description	Added	Deleted	Request #	Priority	Aprv To Delete	Created	Written By	Tool	Inv.D	WIP	Vend	I.H.	Warr	Othr	Drawing ID	Seq #
FG-F-LN-0-2-001			IA	10/12/2005		2	Rpl																		
FG-F-SN-0-2-001			IA	10/12/2005		1	Rpl																		
RM-F-LN-0-2-001			A	10/12/2005		0	Rpl																		

- Users will be able to keep item master growth under control, limiting the needs for new item creation by using revisions in product development processes.
- Overhead costs related to document management are reduced and the ability to provide accurate centralized data access improves information flow and speed to decision, resulting in fewer order delays and better material procurement.

The foundation of Horizons Manufacturing Suite is the Bill of Materials and Production Entry modules. HMS includes a complementary set of integrated modules for both the Dynamics GP Standard and Professional versions including:

- Bill of Materials
- Bill of Materials and Production Entry
 - Serial/Lot
 - Routing
 - MRP
 - MPS
- Shop Floor Control
- Engineering Change Control