

AddOnSoftware for Manufacturers

Version 7.0

Since 1981, AddOnSoftware has developed practical, affordable, feature-rich, and easy-to-use enterprise-wide software applications for businesses. The companies who use AddOnSoftware enjoy The Freedom to Grow™ because of its lean efficiency, its scalability, and the experienced professionals who customize and support it.

No matter what your manufacturing environment - whether make-to-stock, make-to-order, or mixed mode - the flexibility of the AddOnSoftware Manufacturing system often makes it an ideal solution.



The system provides for accurate tracking of work in process, streamlined scheduling, and excellent tracking of manufacturing costs.

The system includes Bill of Materials, Shop Floor Control with scheduling, and a practical, usable MRP system that helps you identify which items to purchase, which to produce, and the resources that will be required.

The AddOnSoftware Manufacturing System is for manufacturing companies of durable goods with annual sales from about \$3 million to \$30 million.

The system is primarily Work Order driven, and efficiently tracks the movement of work orders through the manufacturing process. A work order may be created from a bill of materials, from a historical work order, a work order “template,” or from scratch, depending on the need. A work order may be issued for a standard item, a custom product, or for a recurring need such as plant maintenance, with costs tracked properly and closed out either at standard or actual.

The system provides excellent functionality for the planning and control of inventories, including MRP for dependent demand items and replenishment features for products with independent demand. The system also provides excellent features for management of credit and accounts receivable to prevent uncollectible sales and to efficiently collect from your customers.

The system provides for multiple warehouses, with costs, prices, buying, replenishment, and item history by warehouse. It also includes complete lot/serial number tracking throughout the manufacturing and distribution process.

One of the more popular features is that reports, sales invoices, customer statements, vendor POs, and other output can be sent via e-mail or fax, or output in HTML or Adobe® PDF format at any time.

AddonSoftware for Manufacturers applications are feature-rich, mature, and proven. The system is comprised of the following applications:

- Bill of Materials
- Shop Floor Control
- Material Requirements Planning (MRP)
- AddonSoftware for Distributors
- AddonSoftware for General Accounting

Bill of Materials

The AddonSoftware Bill of Materials application is a flexible, easy-to-use system designed for companies that assemble finished goods and manufacture some or all of the components. It provides unlimited levels of material usage and has features that easily define and track material, labor, subcontract, and overhead costs.

Manufacturing cost accuracy is one of the system's primary strengths.

Built-in flexibility allows you to define your materials in any unit of measure, and adjusting factors for scrap and yield make material requirements easy to define yet accurate to great precision.

Routings, with labor operations and subcontract steps, may be defined for each BOM. You may include manufacturing instructions for materials, labor operations, and subcontract steps in detail on convenient message lines. Messages for materials are printed on pick lists, operation instructions are printed on the Work Order Traveler, and subcontract messages can be printed on purchase order lines.

Engineering change orders may be entered in advance of the change with effective dates. Full change order history is available through the use of a production date, and you'll be able to generate complete reports showing only the current requirements or a full history of all change orders. Effective and



obsolete dates are available for materials, labor operations, subcontract steps, and even instruction (message) lines.

Roll up costs on demand, either globally or selectively. Environments without work orders can quickly backflush components after manufacturing for single-step inventory updating.

- Easy BOM creation and copy function
- Phantom BOMs for common groups of items
- Scrap factor and yield percents for accurate material tracking
- User-defined Operation Codes for routings and scheduling
- Setup, Run, Queue, and Move times for tighter scheduling
- Where-used reports for materials and operations
- Global component replacement program
- Fast production entry and backflushing
- Component Availability Inquiry for determining Available to Promise

Shop Floor Control

The purpose of AddonSoftware Shop Floor Control is to help you define, schedule, and manage your production floor in the most efficient manner.

Automatically or manually schedule each work order, either forward from its start date or backward from the completion date. Use the MRP system to automatically generate planned work orders for more efficient manufacturing. You can plan work center activity with the Load Balance display and the Dispatch Display or Inquiry.

Shop Floor Calendars for each work center are provided to assist in planning and scheduling. The calendar sets the available hours for each center, with holidays and days off defined, making it easier for you to maintain schedules.

Get control of work in process through complete tracking of work orders as they move through the shop floor. Stock and Non-Stock type work orders allow the manufacture of repetitive items and “same as except for” jobs. Custom work orders may be easily defined by duplicating a work order “template,” a work order from history, or by modifying an existing similar bill of materials. Start with a Work Order Quote to help determine your expected manufacturing costs, and convert to a Planned or Released Work Order with a single keystroke.

Use work order history to compare your standard costs and lead times to actuals. Report variances by work order, operations, materials, and subcontract steps from the system’s extensive cost accounting procedures. And you can use the Labor Cost Analysis Report to monitor efficiency and utilization factors.

- Track planned and quoted work orders
- Tie Work Order to Sales Order line item for accurate tracking and posting of cost to sales invoice
- Extensive variance tracking and reporting
- Automatic purchase order generation for subcontracted steps
- Shop floor dispatch report
- On-line inquiry of “on order” status for open work orders
- Lots or serial numbers can be issued or created with complete audit trails
- On-line work order information is always available for you to review the current status of each operation or job
- Automatically generate purchase orders for subcontracted services

Material Requirements Planning (MRP)

Gain control of purchasing, fabrication, assembly, and manpower requirements for your manufacturing operation with the AddonSoftware Material Requirements Planning (MRP) application. It is your ultimate planning tool, combining inventory status, your bills of material, lead times, work in process, outstanding purchases, and your forecast to produce comprehensive planning reports. You can quickly identify which items need to be purchased, which should be produced, and what resources are required.

With MRP, you'll always have the right raw materials on hand. For each forecast period the Planned Purchase Report lists what items need to be purchased, in what quantities, and by what dates. Purchase requisitions are automatically generated for speed and efficiency.

The Planned Production Report presents a list of sub-assemblies and finished goods that need to be manufactured, using the master production schedule. A “what if” feature allows you to create more than one schedule and forecast scenario, and when the production report is approved, MRP will generate planned work orders automatically for the selected scenario.

The Planned Resource report converts the master production schedule into a capacity requirements plan for manpower, machinery, and other resources. Plan ahead for the future addition of resources by developing long-term capacity plans.

Get MRP results instantly with an on-screen inquiry for each item. It shows you the forecast quantity, calculated gross demand, quantity available, quantity on order, projected need, and date required for each period in the forecast.

- Multiple forecast scenarios for “what-if” analysis
- Push Make to Order items through MRP directly from sales orders
- Regenerative MRP update process
- On-screen inquiries of MRP results by item
- Automatic generation of Planned Work Orders and PO Requisitions
- Pegging Report and Inquiries
- Shop Calendars for MRP accuracy
- Reports follow standard manufacturing industry conventions
- Plan up to 26 variable-length production periods at a time

AddonSoftware Version 7 is available for the Linux, UNIX, and Windows operating systems and may be run using PRO/5®, Visual PRO/5®, and BBJ® by BASIS International Ltd.



AddonSoftware for Manufacturers fully integrates with AddonSoftware for General Accounting and AddonSoftware for Distributors, which are required.

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