

## Industries

- Discrete Manufacturers
- Mixed-Mode Manufacturers
- Make to Order / Job Shop
- Repetitive Manufacturing

## Required Modules

- Advanced Manufacturing (Sage)

## Suggested Modules

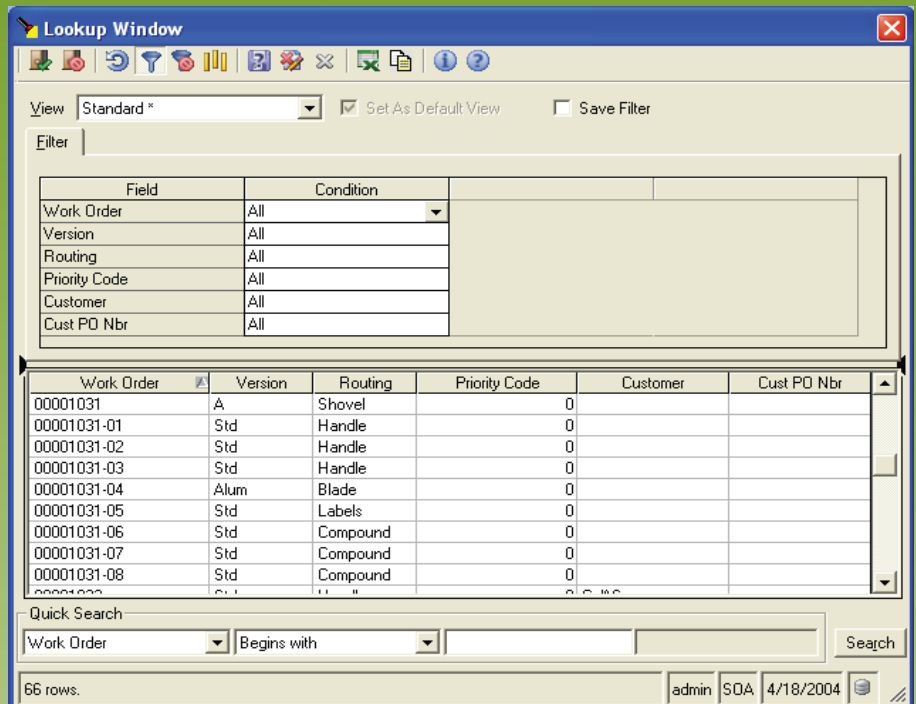
- Enhanced MRP (E2B)
- Work Order Allocations (E2B)

## Benefits Overview

- Included in Enhanced Work Order Suite
- Included with Enhanced MRP
- Automatically generate work orders for subassemblies when creating work orders for finished goods
- Create subassembly work orders from Work Order Creation
- Create subassembly work orders from Enhanced MRP
- Create links to dependent work orders for scheduling purposes in job shop and make to order

## ClientCare Plans

- Free Upgrades and Hot Fixes
- Unlimited Product Support
- Installation Assistance & Training



The screenshot shows a 'Lookup Window' with a toolbar at the top. Below the toolbar, there are options for 'View' (Standard \*) and checkboxes for 'Get As Default View' and 'Save Filter'. An 'Filter' field is present. A table lists fields and conditions: Work Order (All), Version (All), Routing (All), Priority Code (All), Customer (All), and Cust PO Nbr (All). Below this is a main data table with columns: Work Order, Version, Routing, Priority Code, Customer, and Cust PO Nbr. The data rows show various work order numbers and their associated components like 'Shovel', 'Handle', 'Blade', 'Labels', and 'Compound'. At the bottom, there is a 'Quick Search' section with a dropdown for 'Work Order' and a 'Search' button. The status bar at the bottom indicates '66 rows.' and user information 'admin SOA 4/18/2004'.

Field	Condition
Work Order	All
Version	All
Routing	All
Priority Code	All
Customer	All
Cust PO Nbr	All

Work Order	Version	Routing	Priority Code	Customer	Cust PO Nbr
00001031	A	Shovel	0		
00001031-01	Std	Handle	0		
00001031-02	Std	Handle	0		
00001031-03	Std	Handle	0		
00001031-04	Alum	Blade	0		
00001031-05	Std	Labels	0		
00001031-06	Std	Compound	0		
00001031-07	Std	Compound	0		
00001031-08	Std	Compound	0		

## *Automatically create subassembly work orders for when finished good work orders are created*

Many make to order manufacturers do not use MRP applications because they maintain low stocks of inventory and few production orders utilize the same components. In these environments, it is helpful to link work orders for finished goods to their required component work orders so that shop management can see the relationship between the work orders which affects how they buy for and schedule each job.

In traditional make to stock environments, manufacturers can save time by generating component work orders when they create the finished good work orders. In addition, the link between the finished good and component work orders is essential for accurate work order scheduling. Sub Work Orders help both make to stock and make to order manufacturers by creating the relationship between finished good and component work orders in a one-to-one relationship. Sub work

orders share the same numbering scheme so they are easily recognized in the system. Sub work orders are created automatically when a flag is set on the routing to create sub work orders.

When an order is created from Work Order Creation, the system automatically generates the required component work orders and uses the sub work order numbering scheme to show the link.

Sub work orders can be created at any level within a bill of material structure. When used in conjunction with the Enhanced MRP product, MRP will create Sub Work Orders for component items. You can also leverage the Make To Order feature in Enhanced MRP to generate dependent demand from a sales order line through all levels of the dependent work order and all of its subassembly components.

## Product Features

### Work Order Numbering

When sub work orders are created, the finished good is assigned the next work order number as defined in Sage MAS 500 Manufacturing Options Maintenance. Work orders for components use the same work order number as the parent with an appended number. For example, the work order for the finished good could be 1000 and component work orders would be numbered 1000-1, 1000-2, 1000-3, etc.

### Work Order Creation

Sub work orders are generated from work order creation when the finished good work order is created. This helps manufacturers in make to order and job shop environments who typically create all related work orders at the same time for custom production orders.

### Scheduling Benefits

Because sub work orders create a one-to-one relationship between the finished good and components, production schedulers can ensure that component work orders are scheduled prior to the final assembly.

### Enhanced MRP

Enhanced MRP recognizes generates sub work orders for component items but only if the components are included in the MRP generation. This is a huge advantage for companies since they can now use Enhanced MRP with Sage MAS 500 Advanced Planning and Scheduling to synchronize work order schedules with material availability.

### Purchasing Benefits

Buyers benefit by seeing the link between all related work orders. This helps them to determine when they need to buy materials based on the overall schedule of components and finished goods assemblies which supports just-in-time purchasing techniques.

### Reporting Benefits

Sub Work Orders benefit reporting, inquiry, and Business Insights Analyzer users as reports can easily be run for a range of work order numbers to show work in process, job cost, and other details across all Linked work orders.

### Dependent Demand

When used in conjunction with Enhanced MRP, MRP can create a Work Order for the finished good pegged to a specific sales order line with automatically generated subassembly work orders linked to the finished good. This provides a link for any subassembly work orders to the original sales order source demand.