MISys Manufacturing System - Level 3

Grow into Level 3 to extend the capabilities of the MISys Manufacturing System with Tool Maintenance, Work Centers, BOM Routings, and Shop Floor Control.

A test-drive copy of MISys Level 3 is provided with every installation of the MISys Manufacturing System. You are invited to experiment with the features of Level 3 using your own familiar data for a period of 30-days. You can permanently license MISys Level 3 anytime you wish.

Optional Tool Maintenance

If you use specialized tools in your manufacturing operation, MISys Level 3 will help you track their use and alert you to needed maintenance or replacement.

Tools can be associated with specific production operations identified in a MISys manufacturing order. Whenever a manufacturing order is completed, the tool statistics are instantly updated.

Work Centers

A work center is an area of your plant where a specific production activity takes place. MISys knows how fast each work center can operate, when it is open for business, and all the resources and costs related to its operation.

Work centers are the basis for operations which are associated with bill of material routings. MISys uses the detailed costing information it derives from each work center to predict the cost of completing each manufacturing order.

Because work centers are linked to manufacturing orders, and MISys knows about the capacity of each work center, it can easily alert you to the work centers which are currently overloaded. Simply click the overload revealed by the work center load chart and MISys will tell you which production activities are causing the problem.

BOM Routings

In addition to material details, BOM routings provide valuable information about how you build something. The routing details of any BOM show the specific order of operations that need to be completed. Because MISys knows the cost of running each work center, it can calculate the cost of each routing operation, and thus the cost of each BOM can be established with pin-point accuracy.

Once routing details are established for any bill of material, the program is able to display a handy production planning tool which shows the time required to build any given quantity of the assembled item. Tell it when you want to start, MISys will tell you when production will be complete. Tell MISys when you want to ship the assembled item, and MISys will tell you when you need to begin work. It's quick and easy!
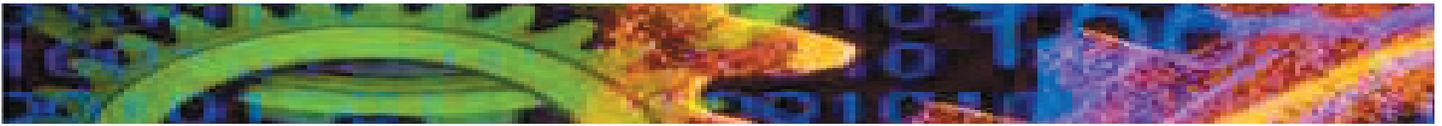
When manufacturing orders are created, BOM routing details are inherited, too. MISys uses these details to construct projected assembly times and costs for each operation. This establishes a target from which your production staff is measured.

Shop Floor Control

The shop floor control components of MISys Level 3 allow you to record your progress as you complete each operation on a manufacturing order. MISys uses this information to move the required materials from stock to WIP, and to record the actual time spent on each operation.

Shop floor control transactions can be entered in direct mode so that each manufacturing order is updated in real-time, in batch mode, or imported from an external time-clock system.

A quick look at the manufacturing order reveals the actual time logged against each operation and the costs which are accumulating against the total. Finally, when the manufacturing order is closed, all costs are tallied and the variance to the projected cost is displayed. With MISys Level 3, you'll know at a glance how productive your manufacturing operation is and, if not, which problem areas require management attention.

Features of MISys Level 3

Maintain Manufacturing Tools

- Track an unlimited number of Tools you use in the manu facturing process.

- Automatically update Tool usage from shop operations.

- Track use-based Tool maintenance and replacement.

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- Replace Tools, adjust Tool inventory, and reset Tool auto matically.

- Substitute Tools in all Bills of Manufacturing and Manufacturing Orders simultaneously.

- Perform Tool Where-Used analysis for Bills of Manufacturing and Manufacturing Orders.

Maintain Work Centers

- Establish an unlimited number of Work Centers where manufacturing processes can occur.

- Schedule an unlimited number of shifts per Work Center.

- Establish work shifts as standard or optional to cover nor mal and special demand.

- Maintain material, labor, and overhead Resources for any Work Center.

- Work Center Resources contribute to the cost of items processed in the Work Center.

- Perform Work Center Where Used analysis for all Manufacturing Orders.

- Chart Work Center loading to analyze capacity consump ion and spot overload conditions.

- Produce Daily Dispatch List to show what needs to be accomplished at any Work Center on a given day.

Create Bill of Material Routings

- Link Work Center operations with Bill of Material routings.

- Identify Tools required at any routing step.

- Automatically update BOM costs with material, labor, overhead Resources consumed at any Work Center.

- Update production lead times in Manufacturing Orders onrouting information.

- Establish milestone and interim operations.

Create Bills of Manufacturing

- Create detailed Bills of Manufacturing integrating compo nent materials, Resource material, labor, and overhead, with ShopOperations.

Create Detailed Manufacturing Orders

- Create new manufacturing orders that inherit the routings identified in a Bill of Materials.

- Modify any Manufacturing Order to show special routing steps, component materials, Resource material, labor, and overhead.

- Accurately predict order costs and processing times.

- Chart Work Center loading over any period of time.

- Chart production schedule for any Manufacturing Order.

- Analyze use of Optional Shifts and Operation Overlap to compress production time.

Track Shop Operations

- Print Shop Travelers to help guide work through the shop.

- Track work as it moves from one Operation to the next.

- Automatically update WIP when starting and completing any Operation.

- Perform partial Operations with full WIP reconciliation.

- Log extra time for any Shop Operation.

- Scrap any material required in any Shop Operation.

- Show material status across shop by Work Center.

- Instantly update order status with operation logging.

- Integrate remote shop floor data collection systems.

Analyze Production Efficiency

- Track actual material, labor, and overhead consumed on any Manufacturing Order.

- Track actual Shop times vs. Work Center standards.

- Analyze profitability for any Manufacturing Order.

- Analyze production performance for any range of

Manufacturing Orders or any range of Jobs.

Requirements

MISys Level 3 requires the prior activation of MISys Level 2.

MISys