



MISys® SBM - Shop Floor Control

Effective production management requires more than documentation and control of your manufacturing inventory. It requires careful analysis and tracking of the processes through which your materials pass; from initial kitting, to final assembly, testing, and quality control sign-off.

The MISys SBM Shop Floor Control module provides all the tools you need to document, estimate, and track every assembly process, allowing more accurate and up-to-date product costing than ever before possible.

 **Dashboard**

 **Planning**

 **Purchasing**

 **Production**

 **Stock Control**

 **Master Files**

 **Reports**

 **Accounting**

 **Administration**

Clear definition of each production operation is the key to effective manufacturing business management. MISys SBM Shop Floor Control delivers the ultimate solution to running a manufacturing plant most profitably by 1) allowing you to accurately predict production costs based on estimated material, labor, and overhead, and 2) by allowing you to capture, track and then analyze actual material, labor, and overhead costs.

Tool Management

Shop Floor Control keeps track of the tools you use in production, ready to alert you to the need to perform maintenance on any tool, or the need to replace it. Optionally, a tool can be linked to an inventoried item, so that replacing a tool makes the appropriate inventory adjustment.

Work Center Management

MISys SBM defines a work center as an area of your plant where a specific production activity takes place. The Shop Floor Control module allows you to define 1) how fast a work center can perform its work, 2) when the work center of open for business, and 3) the material, labor, and overhead resources needed to operate the work center.

Once work centers are defined, they can be applied to bills of material and manufacturing orders as routing details. The routing details document the steps that must be performed in the production process. Because MISys SBM knows the cost of operating each work center, the routing details provide costing information to the bill of material more accurately than ever before possible.

Shop Operations Management

By posting actual time and materials used in selected shop operations during the production process, MISys SBM can deliver more accurate actual costs than ever before possible. When unfavorable variance is recorded, MISys SBM can provide a detailed analysis showing exactly which work centers contributed to the variance. Routings can be updated to reflect actual production times, further improving the accuracy of product costs.

Capacity Management

The routing details of bills of material and manufacturing orders help define the rate at which items can be produced. Work centers have limited capacity. The program can evaluate the current production load or a particular work center, or across all work centers at once. Capacity constraints can be easily identified and resolved using an innovative drag-and-drop planning tool. Produce Master Production Schedules.



Manufacturers who need to compute the true cost of their production activities should license the Shop Floor Control module of MISys Small Business Manufacturing. These capabilities include:

- Track the use and maintenance of production tools.
- Be alerted whenever tools require maintenance or replacement.
- Establish work centers for all production activities.
- Define rates at which each work center can process its work.
- Define days of the week when each work center is open.
- Define an unlimited number of splits per shift, including optional splits for overtime, reserve labor, etc.
- Define required material, labor, and overhead for each work center.
- Roll up material, labor, and overhead costs throughout the entire product structure.
- Create routing details for bills of material and manufacturing orders.
- Estimate assembly times for any production quantity.
- Predict start date for given completion date.
- Predict completion date for given start date.
- Accurately estimate manufacturing costs based on combined material, labor, and overhead.
- Post shop operations to individual production operations.
- Compare actual to estimated manufacturing costs.
- Analyze production efficiency for each manufacturing order operation.
- View work center loading for any range of dates.
- Analyze all work center conflicts for any range of dates.
- Resolve work center conflicts quickly and easily using drag and drop capacity management tool.

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