

MISys Manufacturing System - Bar-coding

Tedious and error-prone data entry can be significantly eliminated with the implementation of an effective bar-coding system. The MISys Bar-coding System is a turn-key solution including the hardware and software required to print and collect bar-coded data in a manufacturing environment.

The MISys Bar-coding System is an extra-cost option for the MISys Manufacturing System. Bar-coding is useful for Physical Inventory, Stock Transfers, and Shop Floor Control applications. The hardware component of the MISys Bar-coding System consists of your choice of 1) a hand-held, battery-powered, portable collection device (PCD) featuring a trigger-activated laser scanner, or 2) a non-portable laser scanner. In either case, cabling is included to connect the hardware to the host computer.

The software component of the MISys Bar-coding System provides for communication between the PCD and the host computer, printing of bar-code labels and reports, and seamless integration with the MISys inventory functions.

The Bar-coding System comes pre-programmed for physical inventory, stock transfer, and shop floor control applications, but can be re-programmed for virtually any desired application.

Physical Inventory

One of the primary applications for bar-coding in a manufacturing environment is the collection of physical inventory count data.

Using the MISys Bar-coding System with its hand-held PCD, you can collect physical inventory counts by scanning a bar-coded shelf label, then entering the actual count on the PCD's keypad. The PCD is programmed to accept Item number/Stock count transactions until all Items have been counted. With the PCD docked to the host computer, the built-in software uploads the count data and deposits it in a selected Physical Inventory Batch, ready for posting. Nothing could be simpler or more secure.

Stock Transfers

Users wishing to use the Bar-coding System to record stock transfers will discover that the PCD has been pre-programmed to accept all MISys Stock Transfer Batch entries.

The PCD can be used on the floor to record stock transfers (such as stock dispense/return and assembly/disassembly transactions) as they occur. The non-portable laser scanner can be used in the stockroom to accurately record data from bar-coded Item labels.

Shop Floor Control

The Shop Operations icon, located on the MISys Production Desktop, opens a window in which progress on a specific Manufacturing Order is recorded .

Required inputs for the MO number, Operation number, and Operator are normally entered manually, but can be scanned quickly and accurately from the bar-code enabled Shop Traveler. For example, the first operator scans the traveler for the MO number, then the operation he has just performed. The focus moves from the MO number field to the Operation number field, stopping in the Operator field. At this point the operator's name can be entered manually, or a bar-coded Employee badge can be scanned.

Additional fields for quantity and time information are entered manually. When the first operation has been completed, the traveler is passed to the next operator who scans the completion of his operation. When the last operation is completed and the traveler is scanned, MISys updates the MO with the actual costs incurred in production.

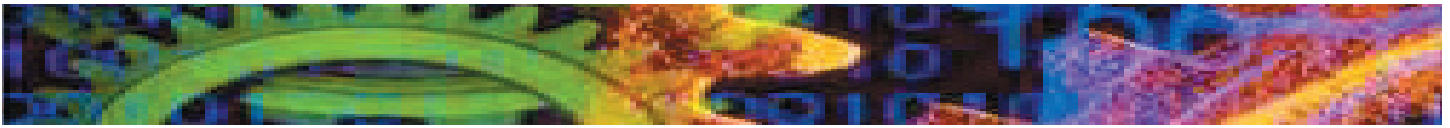
Sample Bar-code Font

The MISys Bar-coding System installs a sample Code 39 bar-code font for use with labels and other reports. Reports, including purchase orders and manufacturing orders, which do not currently display bar-coded data, can be modified using the Seagate Crystal report writer, specifying the bar-code font wherever this information is required.

Report Printing

The MISys Bar-coding System installs a selection of reports, such as a new Shop Traveler and Pick Lists, which are bar-code enabled , further enhancing the usefulness of the software.

For those wishing to include other MISys database fields on bar-code labels and reports, the optional MISys Report Toolkit provides the complete database description.



Features of the MISys Bar-coding System

- Easy to implement bar-code collection system.
- Seamless integration with existing MISys database.
- Includes choice of battery-powered, portable collection device (PCD) featuring a trigger-activated laser scanner or self-powered non-portable laser scanner.
- PCD is user-programmable for virtually any application.
- PCD pre-programmed for physical inventory and stock transaction applications.
- PCD can be used in portable mode for remote data collection.
- PCD can be used in non-portable mode for bar-code entry of MISys transactions. Included software utility captures scanner entries into keyboard buffer.
- Laser-scanner facilitates capture of shop operation transactions.
- Prints a selection of bar-coded labels on standard Avery label stock.
- Installs a selection of new bar-code enabled reports.
- Includes sample Code 39 TrueType font for use with labels and reports.

Requirements

MISys Bar-coding requires the prior activation of MISys Level 1.

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