

Inventory System Overview

ITEM MASTER

The ABACI™ Item Master module contains information that is central to most of the other ABACI™ modules. The Item Master is used to record data such as:

MRP lead-times, lot-sizing, and order creation
Item types (10 different types available)
Period-based auto forecasting
Variable item packs supported by bar-coding
Item classifications, categories, and groups
Weights and measures
Costing
Inventory control settings

PRODUCT GROUP MASTER

The Product Group Master is used to categorize your inventory items. A Product Group is a "family of similar items that have variable options", such as a car that can be painted a variety of colors. Items are defined according to the features and options they contain, and this drives search and reporting functions throughout ABACI.

MRP (MATERIALS RESOURCES PLANNING)

ABACI™ has designed an MRP module that is optimized to provide unparalleled speed and versatility. Primary features include:

- New 'expedite' calculation that improves MRP stability and reduces over-planning
- Accurate action-based messaging that can be queried, filtered and electronically transmitted
- Mass order release and order updating
- Innovative, user-friendly planning screens that integrates "what-if" capabilities with order release
- "Snapshot" processing minimizes network traffic and eliminate file locks, improving uptime
- Shortage inquiries that point you to your problems

SALES PLANNING AND FORECASTING

The ABACI™ Sales Plan combines forecasting with master scheduling automation to reduce the lead-time associated with scheduling changes and improve your ability to meet the needs of your market. By implementing a scheduling model that replicates your business environment, ABACI™ creates master schedules based on changes made to the Sales Plan. The result is a master scheduling system that optimizes manufacturing efficiency and projects capacity requirements.

MULTI-FACILITY PLANNING

ABACI™ Multi-facility planning capability allows different entities to utilize the same system. This allows for global integration and facilitates inter-company business.

WAREHOUSE MANAGEMENT

The Warehouse Management system with ABACI is an integrated multi-tier location system supported by picking, job control, work flow, and shipping modules. If your business is distribution or logistics-based, ABACI has the functionality you need to improve warehouse operations. Features include:

- Multiple bin types for inspection, consignment, defective materials, shipping, and WIP
- Bin priority codes that categorize the desirability of storage locations
- Can suggest the most desirable item to place in any bin
- Transaction processing through a variety of handheld devices RF (radio frequency) scanning and wired scanning capable

ABACI is a real-time inventory system. There is no need for batch processing

SHIPPING

ABACI™ Shipping is a fully integrated shipping management system that provides work queues, picking information, packing lists and other necessary documentation. It is also fully integrated with Accounts Receivable and creates preparatory invoices when transactions are processed.

CONTROLS

ABACI provides control flags at the item level that for:

- Backflushing/Picking/Floor Stock/Consignment
- Lot Control (Detailed inventory)
- MRP netting

PURCHASING

ABACI™ Purchasing incorporates order entry, quotation management, supplier performance, and history so the buyer has all the tools necessary to make informed decisions. Features include:

- Contract pricing tables with effective date control
- Full integration with Receiving and AP
- Multi-division consolidations

TRANSACTIONS

ABACI™ provides a full repertoire of transaction types for maintaining inventory records.

- Transfers and Adjustments
- Cycle Counting and Physical Inventory
- Picking and Back-flushing
- Purchase Receiving
- Shipping
- Work Orders

ABACI™ provides query modules that drill into transaction data.