



Numeric Computer System's (NCS) Manufacturing and Inventory Software allows the effective management of raw materials, production and inventory for single or multiple plants and distribution centers. It drives capacity planning, production scheduling, cost component tracking and back flushing while enabling standard costing and reporting that are critical to managing today's production environment. Manufacturing and Inventory are part of the eRMS ERP suite of NCS software products, which also includes Financials and Order to Cash.

## Planning

### Capacity Planning

eRMS capacity planning helps align fulfillment capacity with customer demand to maximize resource utilization and ensure order fulfillment.

- Accommodates varying rates of production based on unique product characteristics
- Creates standard rates for individual products
- Alerts and flags production plans that exceed preset capacity and redirects to overflow work center
- Sequences items to streamline production, avoid downtime, and minimize changeovers

### Demand Requirements Planning (DRP)

eRMS helps streamline operations across the supply chain with baseline forecasts and detailed analysis that improves the use of workforce and machinery. With the system you can:

- Automate transfers between multiple distribution centers or warehouses
- Pass demand from one warehouse to another based on item availability and lead time
- Designate which items will be sourced from which supply location
- View remote warehouse demand as aggregate customer orders or a single load day or weeks out using lead times
- Automatically create the sale and receipt of transferred goods



## Execution

### Standard Product Formulation and Costing

eRMS Costing utilizes standard techniques based on primary units of measure to:

- Assign unit costs to items to establish building blocks for standard costing
- Enables reciprocal conversion of raw material unit of measure to ordering unit of measure
- Allows for intermediate items or Work-in-Process (WIP) Items
- Allows you to add overhead, labor and other non-material costs within the standard product formulation
- Calculates standard cost of Finished Good items and WIP items from Raw Material and non-material costs

### Production Scheduling

eRMS Production Scheduling uses forward scheduling to help minimize production time and costs, maximize operational

work centers of production. This method outperforms manual scheduling by allowing the:

- schedule
- Protection against systemic order variations by utilizing pre-set 'safety' stock
- Generation of detailed reports showing the beginning and ending inventory based on orders or loads and scheduled receipts
- Suggestion of daily inventory based on historic warehouse demand
- Input of variations in inventory based on known changes in demand
- consumed

### Shop Floor Control and Execution

eRMS provides the tools needed to match your workforce and machinery at each work

The system lets you:

- Generate warehouse pick lists to help determine the correct quantity of raw materials needed to complete production on shop orders.
- Create alerts when ending inventory is below preset safety stock or reorder points
- View shop orders in several formats: using beginning inventory or displaying by lot number and start and stop time

### Raw Materials Management

eRMS utilizes a Raw Materials Inventory System that tracks their usage and integrates these materials with job costing,

controls through automated procurement and planning functions. The system allows you to:

- Create raw material and intermediate items to maintain and control overhead, labor and material costs
- for easy inclusion in multiple distribution centers or warehouses
- Assign items a receiving unit of measure and the appropriate conversion factor
- Only add raw materials as components in a standard formula

### Finished Goods Management

eRMS Finished Goods Management tracks through the warehouse.

- Integrates to production, costing, back-
- Supports inbound processing of: purchase orders, transfer orders, production receipts, blind receipts, lot numbers by receipt and license plate number
- Tracks lot numbers by receipts, expiration/last ship date and shelf life
- Supports disposition codes for returns and handles unexpected returns
- Provides multiple physical count and cycle counting options
  - Lot control by load or by day
  - Kitting
  - LIFO or FIFO picking
- Perpetual inventory
- Offers detailed inventory reporting
  - Realtime
  - Daily
  - Weekly
  - Month to date
  - Monthly of period

### Consolidation & Reporting

#### Reporting

eRMS has extensive reporting capability,

- Daily and Monthly Finished Goods and Raw Material Inventory
- Daily Load
- Formula Cost Calculations
- Inter-company Inventory Transfer
- Item Cost Listing
- Physical Count
- Production Requirements
- Purchase Order Receiving
- Shop Floor Orders
- Stock Reorder
- Trend Analysis

*"eRMS has allowed us to plan production across our enterprise and more effectively take control of our inventory."*

George Wood, CFO, VP/CFO, United Dairy

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