INFIMACS II® Data Sheet

Integrated Financial and Manufacturing Control System

Production Engineering

FUNCTIONS

- Item Maintenance
- Bill of Material Control
- Engineering Change Control *(Optional)*
- Revision Control *(Optional)*

FEATURES

Item Control

- Standard, Reference or Phantom Items
- Commodity Codes
- Lot/Serial Tracking *(Optional)*
- Copy Item Master
- Item Cross-reference
- Manufacturing Item Equivalent
- Responsible Engineer
- Active or Pending Status
- Substitute Item
- Engineering Unit of Measure

Document Control Interface

- Tooling Interface

Bill of Material Control

- BOM Implosion
- BOM Explosion
- Effective Date
- BOM Add/Delete Status Code and Date
- Decimal Quantity Usage
- Copy from Design Engineering BOM
- Copy from Production Engineering BOM
- User Messages Tied to Items within BOM

Shop Floor Reference

- Employee Grades
- Department Records
- Work Center Records
- Machines Master
- Processes Master
- Routings
- Operation/Employee Grade

Engineering Change Control *(Optional)*

- Change Order/Item Relationship
- On-line Change Order History by Item
- BOM Component Effectivity Based on Change Order

REPORTS

- Items List
- Design Engineering Items
- Engineering/Manufacturing Item Equivalents
- Mass Change Update
- Item/Change Order History
- Single Level BOM
- Single Level BOM with Costs
- Single Level BOM with Messages
- Single Level/Where Used
- Indented BOM
- Consolidated BOM
- Item with No Parent
- Design Engineering BOMs
- Engineering Change Orders *(Optional)*
- Change Orders *(Optional)*
- Change Orders by Work Order *(Optional)*
- Change Order/Item History *(Optional)*
- Routing

SUMMARY

INFIMACS II Production Engineering provides for the entry and maintenance of items, structuring of Bills of Material (BOMs), and implementation of engineering change control.

Three part types can be specified in Production Engineering: “standard” for inventory items, “reference” for drawing or other non-inventory documentation, and “phantom” for items that exist in engineering design but are not a controlled inventory item in the manufacturing process. Parts are defined as pending or active (available for use). Active parts are automatically copied into other item master files (such as Purchasing Control and Inventory Control) to ensure consistency of information across modules and provide data entry efficiencies. In addition, items with shared characteristics may be grouped together using commodity codes, allowing for planning and lead time definition.

To streamline the data entry process, you can copy the information from one item on the system to another and change only those attributes that differ. This function also applies to Bill of Material entry, allowing an entire BOM to be copied for use with another parent item.

Production Engineering

Bills of Material are maintained on-line, and INFIMACS II provides capabilities that assist in decision-making and communication. Engineers can access the entire structure of an assembly from a single screen, easily identifying components (using explosion) and parents (using implosion for "where used") for an item. The entire product structure can be viewed to see how a change will impact other assemblies in which an item or sub-assembly is used. Furthermore, a message can be tied to any item on a bill of material, printed on the pick list, and thereby communicated to the manufacturing floor. This is especially helpful if a part requires special handling or if there are instructions which are unique to an assembly.