

Create, Maintain, and Control Master Data Definitions of Products and Processes with One Screen

The Bill of Material (BOM)/Routing module, part of the Acumatica Manufacturing Edition, creates production specifications and is the framework for the planning functionality in all Acumatica Manufacturing Edition modules. Maintenance of the BOM/Routing information is performed through a single screen.

INTEGRATED BOM/ROUTING

- Directly connect materials, work instructions, attributes, and overhead costs to an operation.
- Allow for the time-phased release of materials.

MULTILEVEL BOM/ROUTING

- List the components required to produce an item, as well as any sub-assemblies and their components.
- Provide both an engineering and a costed view of the entire product structure.

KEY BENEFITS

COORDINATE ACTIVITIES

- Manage your entire business with complete real-time information on your operations
- Coordinate labor, machines, and inventory, and optimize them for your company's processes

STAY ON ONE PLATFORM AS YOU GROW

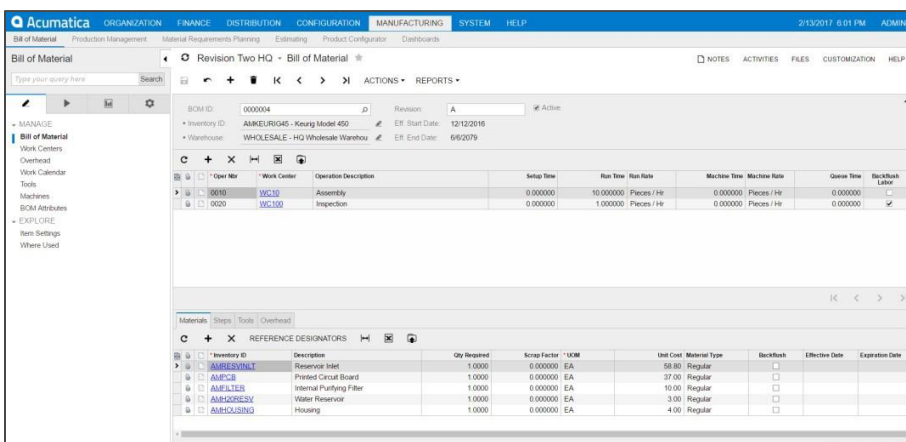
- Adapt the software to meet your changing needs
- Leverage powerful features and functions for multiple production environments

GAIN TOTAL CONTROL OF REVISIONS

- Maintain a complete revision history of your BOM/Routing
- View multiple revisions, both past and future
- Identify the reasons for each revision
- Group change requests for approval

SUPPORT ALL YOUR COSTING METHODS

- Allow for multiple costing methods: average, standard, and actual
- Add tooling costs and overhead costs, both fixed and variable



The screenshot displays the Acumatica software interface for the Bill of Material (BOM) module. The main window shows a multi-level BOM structure for 'Revision Two HQ - Bill of Material'. The top level is 'AMKEURIG45 - Keurig Model 450'. Below it, there are two main components: 'AMPCB - Printed Circuit Board' and 'AMHousing - Housing'. Each component has its own sub-BOM. The 'AMPCB' component includes 'AMFILT - Internal Purifying Filter' and 'AMWATER - Water Reserve'. The 'AMHousing' component includes 'AMRESV - Water Reserve' and 'AMHousing - Housing'. The interface also shows various fields for 'Qty Required', 'Unit Cost', 'Material Type', and 'BackBck' for each component. The bottom section of the screenshot shows a table with columns for 'Inventory ID', 'Description', 'Qty Required', 'Unit Cost', 'Material Type', 'BackBck', 'Effective Date', and 'Expiration Date'. The table lists several components with their respective quantities and costs.

| Inventory ID | Description | Qty Required | Unit Cost | Material Type | BackBck | Effective Date | Expiration Date |
|--------------|---------------------------|--------------|-----------|---------------|---------|----------------|-----------------|
| AMRESV | Water Reserve | 1.0000 | 0.000000 | EA | | | |
| AMPCB | Printed Circuit Board | 1.0000 | 0.000000 | EA | | | |
| AMFILT | Internal Purifying Filter | 1.0000 | 0.000000 | EA | | | |
| AMWATER | Water Reserve | 1.0000 | 0.000000 | EA | | | |
| AMHousing | Housing | 1.0000 | 0.000000 | EA | | | |

Get engineering and financial views of your entire product structure

BILL OF MATERIAL/ROUTING FEATURES AND CAPABILITIES

| | |
|-------------------------------------|--|
| Effectivity/Expiration Dates | Control material planning and usage according to effectivity dates for phase-in and phase-out of content changes. |
| Production Steps | Document the entire process using detailed work instructions and standard note capability for each process step. |
| Where Used | Allows for components on Bills of Material to be displayed where they are used on a single-level or multi-level basis. |
| Phantoms | Use phantom items to simplify structure maintenance for related groups of parts and materials to multiple products. If you create a planning bill of material, your planning and production teams can “skip over” phantoms to plan and allocate components. |
| Reference Designators | Relate BOM component parts to the drawing’s part numbers to avoid confusion and duplicate entry in the bill of material. |
| Multiple Sites | Enables the support of multiple sites and have different or alternate BOM/Routing for each different site. |
| BOM Cost Roll | Use flexible cost roll for a single-level or multi-level BOM, by item or site. Costs of the lower-level item will “roll” into the costs of the higher-level items. In a standard cost operation, costs will update the pending standard cost for each item in inventory. |
| Flexible Copy BOM | Copy an existing BOM/routing to a different item as an alternate BOM/routing or for easy setup for a new, similar item. |
| Mass Change | Allows for the replacement of a component with a different component on individual or all Bills of Material. |
| Attributes | Used to display optional or required values when reporting production. These are available on the bill of material header and/or operations and can be copied onto a Production Order when the order is created. |
| Revision Control | Maintain a complete revision history of BOM/routing. Save and view multiple revisions – past, present, and future – as well as the reason for the revision. |

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