



# BILL OF MATERIAL/ROUTING

**A MULTI-LEVEL BILL OF MATERIAL (BOM)/ROUTING THAT PRESENTS BOTH ENGINEERING AND FINANCIAL VIEWS OF THE PRODUCT STRUCTURE AND EFFICIENTLY PLANS AND MANAGES YOUR INVENTORIES, COSTS, AND MANUFACTURING PROCESSES**

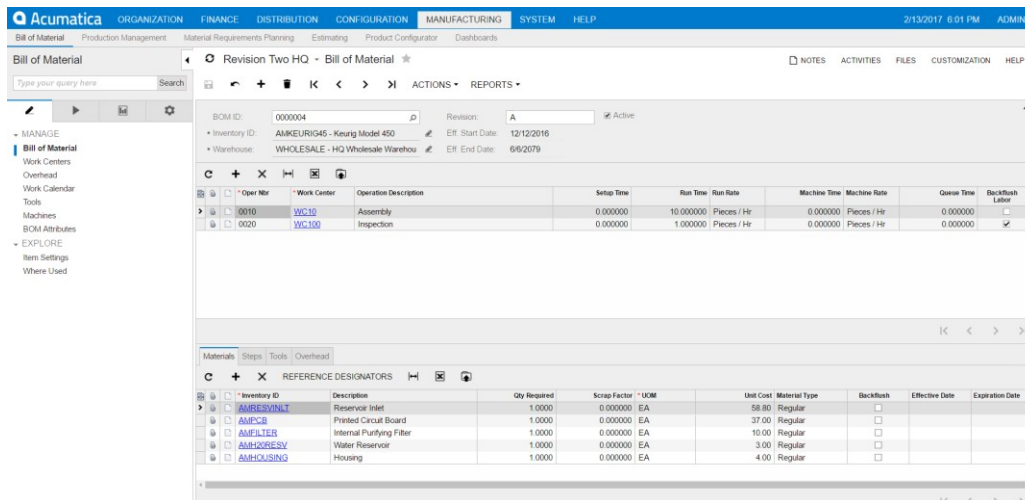
At the core of JAAS Advanced Manufacturing Software (JAMS) is the BOM/ Routing module. This module not only creates production specifications, but is the framework for the planning functionality in all JAMS modules. All maintenance of the BOM/ Routing information is done through a single screen.

## INTEGRATED BOM/ROUTING

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

## MULTI-LEVEL BOM/ROUTING

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



The screenshot displays the Acumatica software interface for the 'Bill of Material' (BOM) and 'Routing' sections. The top navigation bar includes 'Acumatica', 'ORGANIZATION', 'FINANCE', 'DISTRIBUTION', 'CONFIGURATION', 'MANUFACTURING', 'SYSTEM', and 'HELP'. The main content area shows the BOM ID '000004' and Revision 'Two HQ'. Below this, there are two tables: 'Operations' and 'Materials'.

Oper Nbr	Work Center	Operation Description	Setup Time	Run Time	Run Rate	Machine Time	Machine Rate	Queue Time	Backflush Labor
0010	WC10	Assembly	0.000000	10.000000	Pieces / Hr	0.000000	Pieces / Hr	0.000000	
0020	WC100	Inspection	0.000000	1.000000	Pieces / Hr	0.000000	Pieces / Hr	0.000000	<input checked="" type="checkbox"/>

Inventory ID	Description	Qty Required	Scrap Factor	UOM	Unit Cost	Material Type	Backflush	Effective Date	Expiration Date
AMRESVNT	Reservoir Inlet	1.0000	0.000000	EA	59.80	Regular	<input type="checkbox"/>		
AMPCB	Printed Circuit Board	1.0000	0.000000	EA	37.00	Regular	<input type="checkbox"/>		
AMFILTER	Internal Purifying Filter	1.0000	0.000000	EA	10.00	Regular	<input type="checkbox"/>		
AMHRESV	Water Reservoir	1.0000	0.000000	EA	3.00	Regular	<input type="checkbox"/>		
AMHOUSING	Housing	1.0000	0.000000	EA	4.00	Regular	<input type="checkbox"/>		

Get engineering and financial views of your 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

### SUPPORT ALL YOUR COSTING METHODS

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



### BILL OF MATERIAL/ROUTING FEATURES AND CAPABILITIES

#### Effectivity/ Expiration Dates

For planning and execution activities, you can enter the date the material will become available for use and assign a date the material will no longer be available to use.

#### Production Steps

Provides detailed work instructions that describe the specific work that needs to be performed at each operation. Through the steps and standard note capability, you can document the entire process.

#### 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

Allows the user to enter phantom items into the BOM. These items show up on the BOM, but disappear when the Production Order is created. Changes to phantom items, made at the BOM level, are carried throughout the system.

#### Reference Designators

Identifiers that relate to individual material lines on a BOM that can be used to reflect multiple reference points on a drawing. This eliminates the need to create multiple lines for an item in the BOM.

#### Multi-Site

Enables the support of multiple sites and have different or alternate BOM/Routing for each different site.

#### BOM Cost Roll

Flexible cost roll can be utilized for either a single level BOM or multi-level BOM. Costs of the lower-level items will “roll” into the costs of the higher-level items.

#### Flexible Copy BOM

Enables the ability to make a complete copy of an existing BOM/Routing to a new BOM/Routing. The copy can be used as an alternate BOM/Routing for the same inventory item, or be used to create a different, yet similar, inventory 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.

### THE ACUMATICA ERP DIFFERENCE

Acumatica delivers a full suite of integrated business management applications unlike any other ERP solution on the market today.

#### STREAMLINE OPERATIONS

**Manage your business more efficiently:**

- Automate processes
- Control workflows
- Access the system from anywhere on any device—including mobile
- Promote collaboration with all-inclusive user licensing

#### ADAPTABLE SOLUTION

**Add and extend:**

- Deploy in-house or in a private or public cloud
- Easily configure your solution to fit your needs
- Add capabilities such as CRM or data visualization at any time
- Extend to other solutions and applications beyond ERP

#### YOUR BUSINESS ACCELERATED

**Get a single version of the truth:**

- Accelerate business performance and make smarter decisions with automated processes, real-time data collection, financial analyses, and forecasting
- No per user pricing – system scales as your business grows