

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

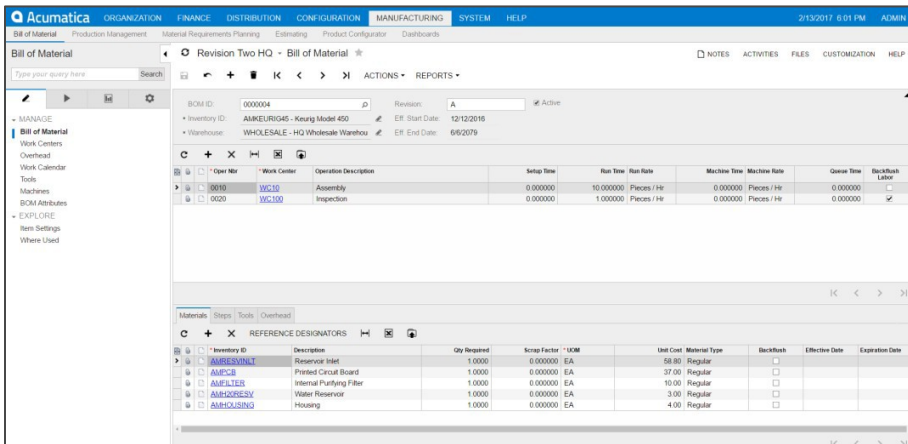
The Bill of Material (BOM)/Routing module, part of the Acumatica Manufacturing Edition, creates production specifications and is the framework for the planning functionality in all Acumatica Manufacturing Edition modules. Maintenance of the BOM/Routing information is performed through a single screen.

### 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.



The screenshot displays the Acumatica software interface for the Bill of Material (BOM) module. The main window shows a BOM for 'Revision Two HQ - Bill of Material' with a BOM ID of 000004. The BOM is structured as follows:

Open Mtr	Work Center	Operation Description	Setup Time	Run Time	Run Rate	Machine Time	Machine Rate	Queue Time	Backflush Labor
0000	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	

Below the routing table, the 'Materials' section shows a list of components required for the assembly:

Inventory ID	Description	Qty Required	Scrap Factor	UCM	Unit Cost	Material Type	Backflush	Effective Date	Expiration Date
AMRES001	Reserve Item	1.0000	0.000000	EA	\$8.00	Regular	<input type="checkbox"/>		
AMPCB	Printed Circuit Board	1.0000	0.000000	EA	37.00	Regular	<input type="checkbox"/>		
AMELTE	Internal Purifying Filter	1.0000	0.000000	EA	10.00	Regular	<input type="checkbox"/>		
AMRES002	Water Reservoir	1.0000	0.000000	EA	3.00	Regular	<input type="checkbox"/>		
AMH001	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
- 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

## BILL OF MATERIAL/ROUTING FEATURES AND CAPABILITIES

<b>Effectivity/Expiration Dates</b>	Control material planning and usage according to effectivity dates for phase-in and phase-out of content changes.
<b>Production Steps</b>	Document the entire process using detailed work instructions and standard note capability for each process step.
<b>Where Used</b>	Allows for components on Bills of Material to be displayed where they are used on a single-level or multi-level basis.
<b>Phantoms</b>	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.
<b>Reference Designators</b>	Relate BOM component parts to the drawing’s part numbers to avoid confusion and duplicate entry in the bill of material.
<b>Multiple Sites</b>	Enables the support of multiple sites and have different or alternate BOM/Routing for each different site.
<b>BOM Cost Roll</b>	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.
<b>Flexible Copy BOM</b>	Copy an existing BOM/routing to a different item as an alternate BOM/routing or for easy setup for a new, similar item.
<b>Mass Change</b>	Allows for the replacement of a component with a different component on individual or all Bills of Material.
<b>Attributes</b>	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.
<b>Revision Control</b>	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.

### ABOUT ACUMATICA

Acumatica is the world’s fastest growing provider of cloud ERP, with the industry’s highest customer satisfaction rating trusted by companies across diverse industries. Acumatica is easy-to-use, full-featured and mobile software. With unlimited users, everyone can have a real-time view of your business anytime, anywhere.

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