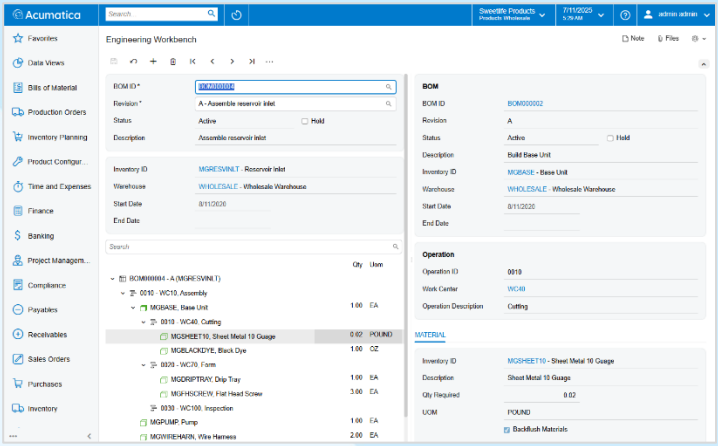
Acumatica
The Cloud ERP



Bill of Materials and Routing

Inaccurate bill of materials and routing definitions disrupt production schedules, create cost variances, and disrupt material plans. Connect materials, work instructions, and overhead costs to an operation to accommodate the time-phased release of materials.

- **Effective/Expiration Dates**
- **Phantom Bills of Material**
- **BOM Cost Rollup**
- **Multi-Level BOM**

Key business benefits

- Maintain a complete revision history of your BOM/Routing.
- View past and future revisions.
- Identify revision reasons.
- Group change requests for approval.
- Allow for multiple costing methods, including average, standard, and actual costs.
- Add tooling costs and overhead costs, both fixed and variable.

Related resources

- Prepare for the Factory of the Future > LEARN MORE
- Multi-Modal Manufacturing with Acumatica > LEARN MORE
- Schedule a Personalized Demo > LEARN MORE

Create, Maintain, and Control Bill of Materials and Labor Definitions for Products and Production Processes

The Bill of Materials (BOM) and Routing application, part of the Acumatica Manufacturing Edition, creates production specifications forming the framework for planning functionality in all Acumatica Manufacturing Edition applications. Maintenance of the BOM and Routing information is performed through a single screen. Revision control is available with the optional Engineering Change Control application or Acumatica for Arena Native Connector to enforce change management business processes and approvals for engineering revisions.

Acumatica utilizes an integrated bill of materials and routing system, where defined steps in the production process encompass both material and labor operations. This structure is standard in most modern ERP applications.

INTEGRATED BOM AND ROUTING

- Directly connect materials, work instructions, attributes, and overhead costs with manufacturing labor operations.
- Allow for the time-phased release of materials.

MULTILEVEL BOM AND ROUTING

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

"The fact that we can build out detailed BOMs and have good information about product costing is a big benefit and something that we really struggled with before."

–Andy Gale, CFO and COO, LiveView Technologies

> CUSTOMER STORIES

Effectivity and Expiration Dates

Control material planning and usage according to the 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 components to be displayed where they are used on a single or multi-level bill of materials.

Phantoms

Use phantom items to simplify maintenance for related groups of parts and materials across multiple products. If you create a planning bill of materials, 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 materials.

Multiple Sites

Manage multiple sites with different or alternate BOM/Routing definitions for each location.

BOM Cost Roll

Flexible cost roll activities support single- or multi-level BOMs by item or site, rolling lower-level item costs into top-level item costs. In standard cost operations, the cost roll updates pending standard costs for inventory items. The process separates cost calculations from updates, providing a transparent and flexible approach to generate, analyze, and schedule rollups across the manufacturing environment.

Flexible Copy BOM

Copy existing BOM/routing definitions to create alternate BOMs and routings, or new items.

Mass Change

Replace a component with a different component on the individual BOM or all BOMs.

Attributes

Display optional or required values when reporting production. Attributes are available on the bill of materials header and operations and can be copied to a production order when the order is created.

Revision Control

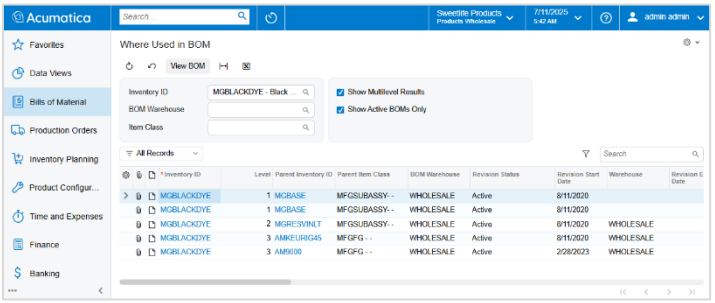
Maintain a complete revision history of BOM/routing. Save and view multiple revisions – past, present, and future – and the reason for the revision.

Optional Engineering Change Control

BOM revisions may be restricted when companies use the optional Acumatica Engineering Change Control application to enforce change control processes and approvals for bill of materials and routing changes.

Engineering BOM Synchronization

New part bill of materials and revisions to existing bills of materials may be synchronized with the optional Acumatica for Arena Native Connector application. CAD connectors are also available from the marketplace to harmonize bill of materials details between Acumatica and third-party product design applications.



Manage the bill of materials efficiently with the where-used inquiry.

ABOUT ACUMATICA

Acumatica Cloud ERP is a comprehensive business management solution that was born in the cloud and built for more connected, collaborative ways of working. Designed explicitly to enable small and mid-market companies to thrive in today’s digital economy, Acumatica’s flexible solution, customer-friendly business practices, and industry-specific functionality help growing businesses adapt to fast-moving markets and take control of their future.

For more information on Acumatica, visit www.acumatica.com or follow us on LinkedIn.

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