

Automated ECR & ECO Approval Process

Manage version control and updates to bills of material (BOM) and routings while controlling effectivity dates that impact material planning, costing, and scheduling. Gain insights into pending changes with full audit capabilities for historical changes.

Engineering Change Control (ECC) is essential for maintaining control of manufacturing master data in a rapidly changing world. In an ever-changing or heavily regulated manufacturing company, ECC monitors the process of changing a bill of material and routing with built-in approvals workflow.

Engineering Change Control Features:

- Complete control from Engineering Change Request (ECR) to Engineering Change Order (ECO) to BOM update. Merge multiple ECRs to a single ECO for like parts.
- Automates, controls, and organizes all change requests, plans, and actual changes to a BOM and routing. The BOM Compare screen lets you see ECR, ECO, and BOM changes and variances quickly.
- Use Acumatica Approval and Assignment Maps to control the approval process for requests and change orders. You can choose if approvals are required for either or both ECR and ECO.

KEY BENEFITS

COORDINATION

- Manage ECR requests through the entire ECO process.
- Utilize approvals workflow.

VERSATILE

- Adapt the software as you grow.
- Leverage powerful features and functions for:
 - Make-to-Stock
 - Make-to-Order
 - Engineer-to-Order
 - Project Centric
 - Job Shop
 - Batch
 - Repetitive Manufacturing

SECURE

- Control which users can access ECC for BOM and routing changes.
- An audit log provides the history of changes with database-level audit with user name and date/time stamp.

INSIGHTFUL

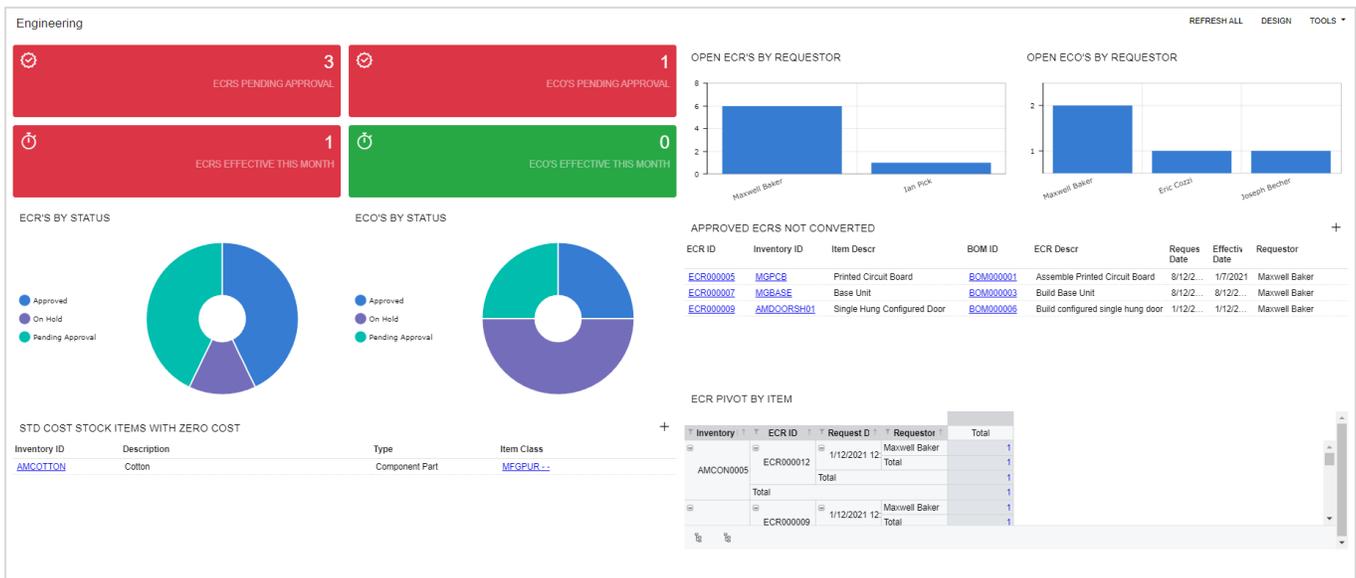
- BOM Compare shows a side-by-side view of changes.
- Dashboards and reports provide critical analysis for engineering changes.

ID	Revision	Inventory ID	Description	Qty Required	UOM	Unit Cost	Planned Material Cost	Type	Phantom Routing
0000025	A	125 MUSIC	125 Music Wire	0.015840	POUND	0.4600	0.01	Regular	Before

Engineering Change Control provides a BOM Compare screen highlighting changes between bill of material and routings.

ENGINEERING CHANGE CONTROL FEATURES AND CAPABILITIES

- Engineering Change Requests** Manage engineering change requests by BOM and revision with requested dates, effective dates, requester names, priority codes, and additional information.
- Engineering Change Orders** Tie multiple ECRs to a single ECO for the same item or skip the ECR process and manage changes directly from the new ECO.
- Approval Process** Setup an automated process to route ECRs and ECOs internally for approval.
- BOM Compare** View BOM revisions side-by-side to identify changes between versions quickly.
- Engineering Workbench** Shorten engineering cycles by creating or modifying a multi-level bill of material with drag-and-drop and copy-and-paste features from the interactive Engineering Workbench.
- Security / Audit Log** Control user access to ECR and ECO processes with database logs for changes.
- Optional Acumatica for Arena Native Connector** Manufacturers with complex engineering and product release processes may be interested in the [Acumatica for Arena Native Connector](#) application for connectivity with advanced product lifecycle management (PLM) features.
- Engineering Dashboard** Gain insights into engineering and design with real-time data for engineering change orders, engineering change requests, and approval status.
- Side Panels** Save time with manufacturing side panels providing direct access to engineering change requests and engineering change orders without leaving data entry screens.



The Engineering Dashboard provides insights into engineering changes. Analyze data using built-in charts and graphs.

ABOUT ACUMATICA

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