

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 an essential requirement 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:

- Full control from Engineering Change Request (ECR) to Engineering Change Order (ECO) to updating the BOM. 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 allows you to quickly see changes between ECR, ECO, and BOM.
- Use Acumatica Approval and Assignment Maps to control the approval process for both 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

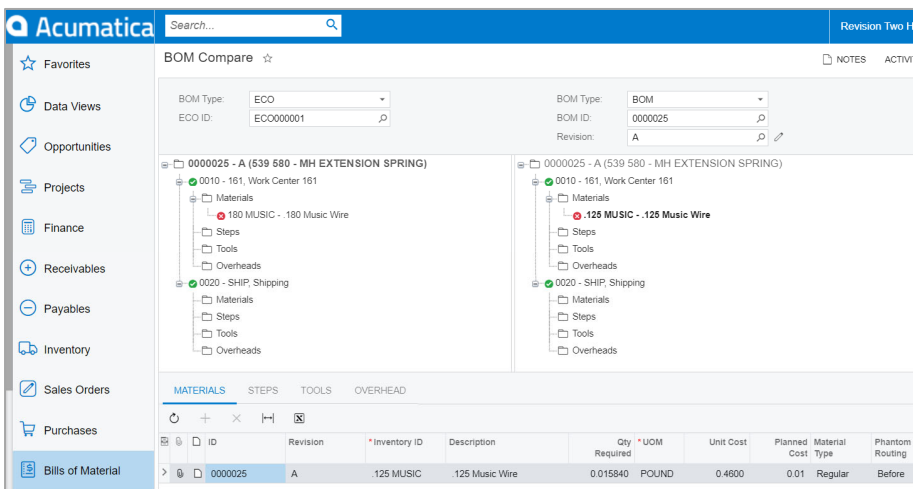
- Adapt the software as you grow.
- Leverage powerful features and functions for:
 - Make-to-Stock
 - Make-to-Order
 - Engineer-to-Order
 - Project Centric
 - Job Shop
 - Batch
 - Repetitive Manufacturing

SECURE

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

INSIGHTFUL

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



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

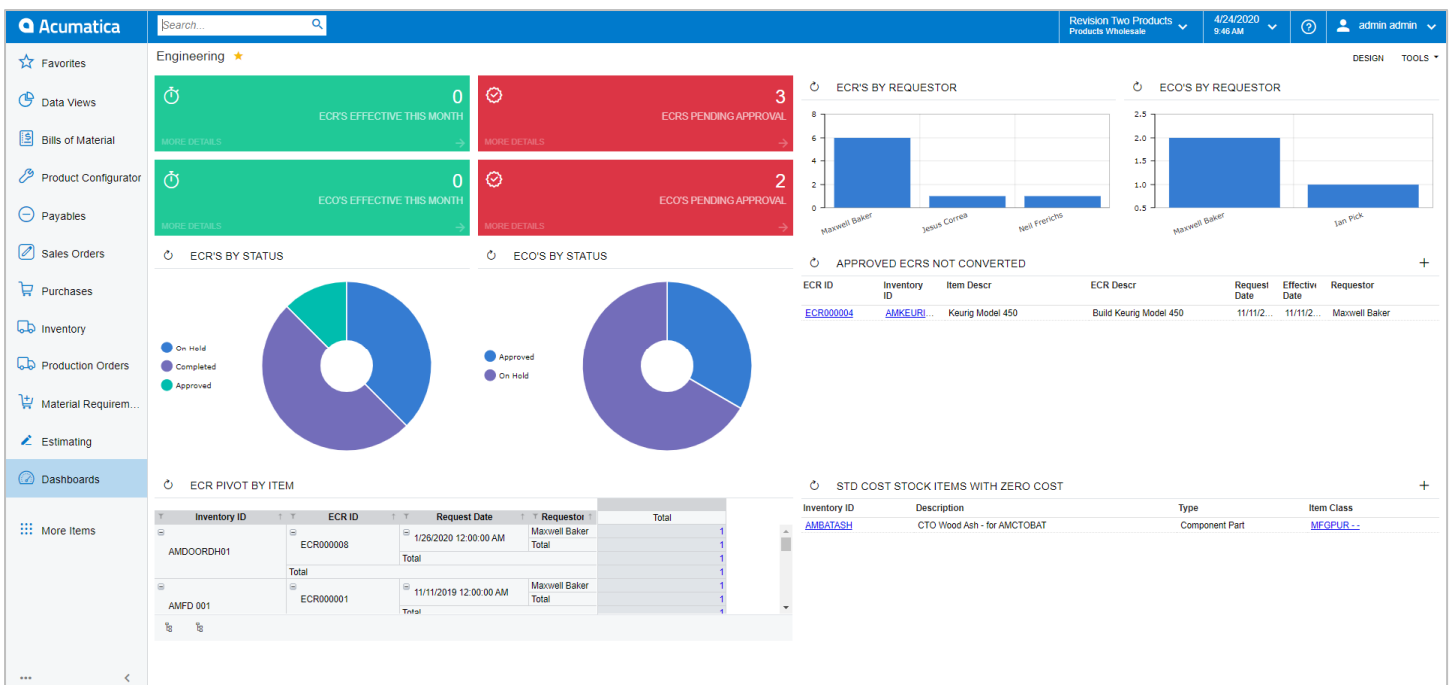
Setup an automated process to route ECRs and ECOs internally for approval.

BOM Compare

View BOM revisions side-by-side to quickly identify changes between versions.

Security / Audit Log

Control user access to ECR and ECO processes with database logs for changes.



The Engineering Dashboard provides insights into engineering changes effective this month or pending approval. Analyze your data using built-in Pivot Tables with charts and graphs and drill-down to view source transactions.

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