



## Production Management

Production management is challenging without the right tools. Acumatica helps manufacturers respond with flexibility to adapt to ever-changing schedules, unplanned breakdowns, late supplier deliveries, and other exceptions.

- **Tag Production Orders to Sales Orders for MTO manufacturing environments**
- **Build to stock with MRP for MTS environments**
- **Gain insights into production order status including real-time job costs**

### Key business benefits

- Coordinate labor, machines, and inventory and optimize your company's processes.
- Streamline outside processing for vendor shipments and costs.
- Substitute operations and materials on a production order.
- Assign lot and serial numbers using purchase receipts, inventory issues, and manufacturing transactions.
- Gain insights to production order status and work in process.

### Related resources

- Prepare for the Factory of the Future > [LEARN MORE](#)
- Understanding Manufacturing Job Costing > [LEARN MORE](#)
- Schedule a Personalized Demo > [LEARN MORE](#)

## Take Control Over Production Costs and Schedules with Automation and Real-Time Manufacturing Insights

Create production orders from bills of material and routing standards. Release and schedule production orders. Manage outside processes and track materials and labor costs for work in process (WIP) with detailed cost analysis reports, inquiries, and dashboards. Gain valuable insights into production with real-time dashboards, flexible Generic Inquiries, and dozens of personalized reports such as the Production Order Labor Efficiency Report.

### PRODUCTION ORDER MANAGEMENT

Production is the heartbeat of every manufacturer. Acumatica Manufacturing Edition streamlines and automates production planning with flexibility to adapt to real-life changes in real-time.

- Create production orders to fulfill customer demand from sales orders or through the material requirements planning (MRP) application.
- Release and schedule production order operations for shop floor employees.
- Capture manufacturing material, labor, machine, tool, overhead, and outside process costs for real-time work in process (WIP) reporting and analysis.
- Monitor production orders from the configurable production dashboard.
- Project-centric manufacturers create production orders directly from tasks in the optional project accounting application.
- Maintain full lot and serial traceability throughout the lifecycle of the item.

"Full supply chain visibility will enable us to target the areas where we have issues and tackle them, to ensure we are operating efficiently and driving growth across sales, supply chain, manufacturing and finance."

—Derek Szabo, Managing Director, Devil's Peak Brewing Company

> CUSTOMER STORIES

### **Critical Materials**

View production order shortages. Create purchase and production orders on a single screen for the parts that are short.

### **Labor Tracking**

Capture direct manufacturing labor to production orders by employees. Enter and track non-production time using indirect codes and enter labor transactions directly from the production order maintenance screen.

### **Backflushing**

Eliminate reporting by backflushing labor or material when reporting the production quantity completed, which is useful when a company only wishes to record the production quantity.

### **Material Tracking**

Issue stock and non-stock materials and parts to a production order. Capture lot and serial numbers on controlled items.

### **Production Performance**

Monitor and manage performance with detailed reports, including actual vs. standard/planned costs with labor, material, machine, tool, fixed, and variable overhead details.

### **Production Order Changes**

Manufacture to prior or alternate bills of material revisions, substitute operations, and materials as desired.

### **Production Control Points**

Streamline data entry to define required milestone operations for production reporting and backflushed operations.

### **Lot and Serial Tracking**

Maintain full lot and serial traceability throughout the lifecycle of the item. Capture lot and serial numbers at purchase receipts, inventory issues, and shop activity transactions.

### **Barcode Integration**

Use barcode data collection to record labor and material transactions and inventory transactions such as issues, receipts, cycle counting, and physical inventory.

### **Multi-Site**

Support multiple sites and have the flexibility to have an alternate BOM/ Routing for each site

### **Related Production Orders**

Improve material planning and visibility into related production orders by automatically or manually linking dependent subassembly orders to finished goods orders with order number conventions to quickly identify related parent and child orders. For example, a parent finished good may have an order number of 10000 with dependent child orders numbered 10000-01 and 10000-02, respectively. Schedulers benefit from improved finite scheduling logic considering production order interdependencies and optimizing resources with proactive notifications for scheduling conflicts.

### **Prevent Over Completions**

Prevent production order operation mistakes related to over-completion of quantities by production order operation for improved costing and material planning.

### **Outside Processing**

Align purchase order request dates with production operation start dates for outside process operations. Streamline outside processing for vendor shipments and cost transactions related to purchased, subcontracted services such as heat treating, painting, coating, or assembly. Know what to do when parts are received back from the supplier with automated moves back into WIP with production order and operation details during inventory receipt processes.

### **Pre-Assign Lot/Serial Numbers**

Create and preassign lot and serial numbers for finished goods using configurable number masking. Optionally enforce finished good lot and serial selection when controlled components and raw materials are issued to production to retain one-to-one traceability for multi-quantity production runs. An allocation screen provides after-the-fact matching for component lot and serial numbers with finished goods lot and serial numbers.

### **Production Dashboards**

Monitor production in real-time with the production manager and production meeting dashboards for insights into work center utilization, work queues, order status, past due operations, late orders, and work in process (WIP).

### **Side Panels**

Save time with side panels providing direct access to production order details, customers, bill of material, sales orders, customers, projects, and project tasks without leaving data entry screens.

### **Multiple Base Currencies**

Manage international production costs with multiple base currencies for flexible and accurate financial reporting.

### **Optional Quality Management**

Ensure product quality with the optional Quality Management Suite (QMS) for Acumatica. Define and perform quality tests during production with certificates of analysis (COA), non-conformance (NC) tracking, and corrective and preventative action (CAPA) plans.

### **Cost Accounting Controls**

Streamline setup and improve cost control with the manufacturing cost accountant user role and optional production order lock status. Locked production orders prevent additional manufacturing transactions from being entered while cost accountants review or adjust transactions before posting finished goods to inventory, clearing work-in-process, and updating financial transactions to the General Ledger.

### **Non-Sequential Production Reporting**

Provide workers with the flexibility to report production operations out of sequence and multiple operations simultaneously.

### **Event Audit Trail**

Trace all production activities (events) against a production order, including description, date and time, and user ID.

## **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](http://www.acumatica.com) or follow us on [LinkedIn](#).

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