

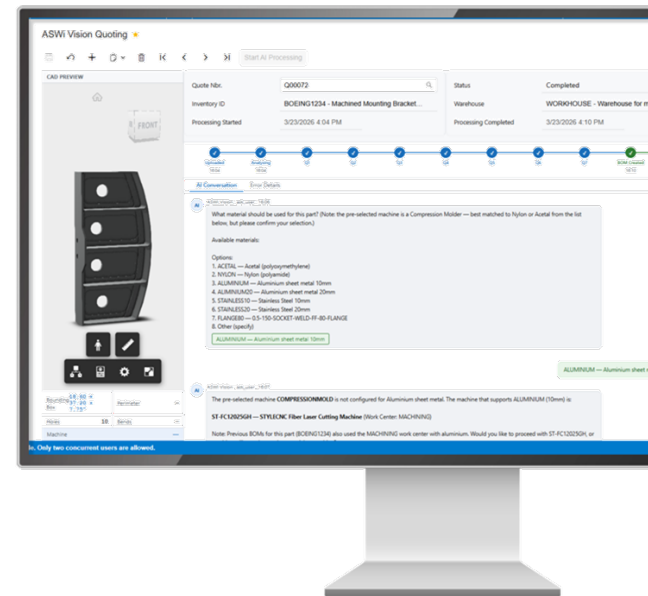
Manufacturing AI Quoting

AI-powered estimating and quoting

Manufacturers live or die by the quality of their quoting process. Every quote has to balance speed, accuracy, cost discipline and customer expectations. Yet for many teams, quoting custom parts still depends on manual CAD review, spreadsheet models, disconnected cost assumptions and the experience of a few key people.

That model creates risk. Estimates take too long. Pricing logic varies by person. BOM creation happens after the fact. Sales quotes may not reflect real production cost. Estimating capacity becomes a bottleneck on how quickly manufacturers can respond to new work.

Manufacturing AI Quoting replaces that fragmented process with an Acumatica-connected workflow that can take a customer drawing from CAD to BOM, routing, cost and priced quote in a single command.



Built to Support Faster, More Reliable Quoting

CAD-Driven Estimation. Manufacturing AI Quoting analyzes drawings and 3D models to identify geometry, features and production requirements.

Manufacturing Cost Logic. The platform calculates material, labor, machine and overhead costs based on real production assumptions.

Acumatica-Native Workflows. Manufacturing AI Quoting reads live Acumatica data and supports BOM, inventory and CRM quote workflows.

Multi-Quantity Pricing. Teams can generate estimates across standard quantity tiers in one pass without rebuilding the quote manually.

AI Pricing Model Selection. Manufacturing AI Quoting evaluates complexity, cost structure, item class and customer context to recommend an appropriate pricing model.

Intelligent Manufacturing Logic Inside Your ERP

Manufacturing AI Quoting is built around Acumatica Manufacturing and CRM rather than operating as a separate estimating data island. It uses inventory costs and configured work center rates to build geometry-driven estimates, BOMs, routings and sales quotes.

The Operational Gains of Using Manufacturing AI Quoting

Faster Quote Turnaround

Reduce the manual effort required to review CAD files, build estimates and prepare quotes.

Greater Quoting Consistency

Apply standard logic across material, operations, labor, machine time and overhead.

Improved Cost Confidence

Ground customer pricing in CAD geometry, live ERP data and defined production assumptions.

Cleaner Handoff to Production

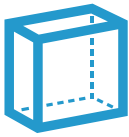
Generate BOM-ready data earlier in the process so estimating and manufacturing stay aligned.

Better Visibility into Quote Rationale

Capture cost breakdowns and pricing logic in the quote record for review, approval and traceability.

Core Capabilities that Accelerate Estimating and Quoting

Manufacturing AI Quoting combines CAD geometry analysis, AI-assisted decision-making and Acumatica manufacturing logic to automate the most time-consuming parts of quoting.



CAD and 3D model analysis



Geometry-based estimating



Sheet metal fabrication logic



Automated routing generation



Automated BOM generation



Sales quote generation



Live ERP cost data

Bottom Line

Manufacturing AI Quoting helps manufacturers move from manual estimating to intelligent, repeatable quoting inside Acumatica, giving teams the speed to respond quickly and the cost discipline to quote with confidence.