

Manufacturing AI Quoting

AI-Powered CAD-to-Quote Automation
for Acumatica

Manufacturing AI Quoting turns customer CAD files into Acumatica BOMs, routings and priced CRM quotes in a single command. It analyzes geometry, costs the job using live inventory and work center rates and documents the pricing rationale behind every quote.

WHY IT MATTERS

Manual drawing review can stretch quote turnaround into days and turn estimating capacity into a bottleneck. Geometry counting errors, inconsistent markup and outdated costs only add more risk.

HOW IT WORKS

Manufacturing AI Quoting analyzes CAD geometry, generates the BOM and routing, costs the job from live Acumatica data and creates a priced CRM quote in one command.

BUSINESS IMPACT

Quote from a customer drawing in minutes rather than days while creating more consistent, explainable pricing.

WHAT IT DOES

- ✓ Converts CAD files into manufacturable estimates
- ✓ Generates BOMs and routings in Acumatica
- ✓ Creates priced quotes in Acumatica CRM
- ✓ Calculates material, labor, machine and overhead costs
- ✓ Supports multi-quantity pricing in a single pass

KEY FEATURES

- ✓ AI-powered CAD and geometry analysis
- ✓ AI-selected pricing model with override
- ✓ Live Acumatica inventory and cost data
- ✓ Direct BOM and routing creation in Acumatica
- ✓ Quote notes with cost breakdown and pricing rationale

CAPABILITIES

- ✓ Supports DWG, DXF, STEP, STL, SolidWorks and Autodesk Inventor files
- ✓ Estimates standard quantity tiers of 1, 10, 25, 50 and 100 units
- ✓ Detects dimensions, holes, pierces and cut length
- ✓ Uses scrap factors, inventory costs and work center rates

Manufacturing AI Quote turns custom manufacturing quotes from manual effort into a repeatable advantage.