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Hidden bottlenecks
that cost machine shops
time and margin

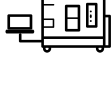
The connected shop checklist

From RFQ to repeat business, hidden bottlenecks slow your shop down and eat into profit.

See how connecting processes across your machine shop can reduce delays, improve visibility across your teams, and help you deliver higher-quality parts.



Connect your processes and grow your business

Production stage	Cost of disconnected processes	What connected manufacturing delivers	Business impact
1  Receive customer RFQ & CAD files	Slow quote turnaround caused by incomplete information, mixed CAD formats, and disconnected communication.	Import, review, and organize customer CAD data in one tool.	 Faster quote turnaround
2  Quoting & manufacturability review	Engineering becomes a bottleneck as teams manually review designs and switch between disconnected systems.	Design, analysis and CAM tools in a single system help evaluate manufacturability earlier and quote with confidence.	 Fewer engineering bottlenecks
3  Engineering preparation	Valuable engineering time is spent recreating models instead of preparing jobs for production.	A single design-to-manufacturing model eliminates file translation and keeps engineering and CAM aligned.	 Increased productivity
4  CAM programming	Programming becomes the bottleneck due to manual processes, disconnected software, and repeated work.	Integrated CAM, intelligent automation, and simulation reduce programming effort.	 Higher machine utilization
5  Revision management	Poor revision control leads to rework, scrap, production delays, and inconsistent execution.	Cloud-based data management keeps every stakeholder working from the latest design, manufacturing, and production data.	 Less programming rework
6  Shop floor production	Operators lose time searching for information and working from outdated documentation, creating unnecessary downtime.	Connected CAD, CAM, and inspection data in a single platform improves production visibility.	 More on-time delivery
7  Delivery & customer communication	Limited job visibility makes it difficult to provide accurate updates and meet customer expectations.	Connected manufacturing data gives every team instant access to accurate production information.	 Stronger customer relationships
8  Repeat business & growth	Tribal knowledge and inconsistent processes make it difficult to scale and consistently win larger contracts.	Standardized manufacturing workflows capture knowledge and create repeatable processes that scale.	 More repeat business