

Schantz Fabrication Offers Solutions to Complex Machining Challenges

Highland Park, Illinois Jan 27, 2026 ([IssueWire.com](https://www.IssueWire.com)) - Schantz Machine & Fabrication Inc., a family-owned industry leader in CNC machining and fabrication, specializes in solving complex manufacturing challenges. Backed by decades of expertise, the company provides precision CNC machining and fabrication services tailored to meet the demands of complex projects, big and small.

Schantz Fabrication provides services to numerous industries, including automotive, manufacturing, food and beverage, oil and gas, pneumatics and hydraulics, robotics and automation, and government sectors.

Low-Volume Expertise

Unlike many competitors who prioritize large-scale orders, Schantz Fabrication thrives on low-volume CNC machining. The company uses advanced programming software and optimized milling processes to complete small-batch projects – an approach that reduces costs and lead times for clients needing specialized parts, prototypes, or limited production runs.

Prioritizing flexibility over scale means Schantz can meet the needs of businesses that require precision-machined components without the delays or expenses often tied to traditional high-volume manufacturing.

Design for Manufacturing (DFM) Consulting

Schantz Fabrication complements its machining services with Design for Manufacturing consulting, a proactive approach to refining part designs before production begins.

Their CNC design consultants work closely with clients to review designs, identify cost-saving opportunities, and verify that designs align with practical manufacturing requirements.

Through slight modifications to designs, Schantz can often reduce material usage, lower costs, and accelerate production timelines.

Integrated Machining and Fabrication Services

Schantz Machine & Fabrication combines CNC machining with complementary fabrication services, including welding, structural tubing, and sheet metal work. By housing these capabilities in-house, the company consolidates production steps, shortening timelines and lowering costs for clients. This integration also removes the need to coordinate with external vendors for separate processes.

Reliable communication, strict quality control, and schedule-oriented delivery have made the company a trusted partner for engineers, purchasing agents, and businesses needing precision parts without delays or unexpected costs.

Effective Inventory Management

Schantz Fabrication employs a modern inventory system that includes a reserve inventory option

(Kanban). The company maintains a stock of key parts, allowing it to respond quickly when demand surges. Production runs smoothly, and schedules remain on track.

Precision Quoting

Schantz Fabrication uses advanced quoting software to provide precise and transparent cost assessments. The system analyzes designs in real time, flagging potential manufacturability concerns before production begins. This early detection reduces the risk of errors, eliminates unnecessary revisions, and keeps projects running smoothly.

Addressing issues at the quoting stage simplifies the transition from design to production – and clients gain confidence in the accuracy of their project timelines and budgets.

Comprehensive Finishing

Strategic partnerships with specialized finishing service providers allow Schantz Fabrication to offer comprehensive finishing options, including heat treating, plating, and powder coating. The company ensures that every component meets its performance specifications while achieving the desired aesthetic and durability standards.

By integrating finishing services into their workflow, Schantz provides clients with fully completed, ready-to-use products. This eliminates the need for additional vendor coordination and ensures consistency across every stage of production.

About Schantz Machine & Fabrication Inc.

Schantz Machine & Fabrication Inc. is a full-service CNC machining and fabrication shop based in the St. Louis, Missouri, metropolitan area. With over 60 years of experience, the company specializes in CNC machining for orders large and small, rapid prototyping, design for manufacturing, and custom fabrication services for a wide range of industries. For more information or to request a free design consultation, visit <https://schantzfab.com/>.

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