



McCormick Industries Showcases Medical CNC Machining Services Expertise

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McCormick Industries, a Wisconsin-based ISO 9001:2015 certified precision machining company in operation since 1996, has detailed the scope of its medical CNC machining services for manufacturers of surgical instruments, orthotic devices and diagnostic equipment components. The company outlined capabilities that include Swiss-style turning on lathes with up to nine axes, dimensional tolerances held to within ± 0.0001 inches, and material expertise spanning titanium alloys, 17-4 stainless steel and medical-grade plastics.

The announcement comes as medical device manufacturers continue to consolidate supplier lists around contract machining partners capable of handling both early-stage prototype development and sustained production volumes. McCormick Industries reports that its shop floor is configured to move a component through both stages without transferring the work to an outside facility.

Medical machining differs from general industrial work in the tolerance bands involved and in the documentation that accompanies each lot. Components destined for the operating room frequently combine small diameters, thin walls and complex geometries that must be produced repeatably across thousands of units. McCormick Industries addresses those requirements through multi-axis CNC turning and milling, with

part programs verified before production release.

"Medical work does not forgive shortcuts, and the companies that send us their prints know that," said Gary Hermesen, Chief Executive Officer of McCormick Industries. "A surgical instrument component that measures correctly in the first article and drifts by the five-hundredth piece is a failed part, no matter what the inspection report says. Our process controls exist so that the last part off the machine matches the first one."

The company machines a range of alloys and polymers common to the medical sector, including stainless steel, aluminum, titanium and titanium alloys, brass, bronze, gold and medical-grade plastics. Material selection in the sector is frequently driven by biocompatibility, corrosion resistance and sterilization requirements, and each presents distinct machining characteristics that influence tooling, feeds and speeds.

Titanium and its alloys remain among the more demanding materials in the category because of their low thermal conductivity and tendency to work-harden during cutting. McCormick Industries applies dedicated tooling strategies and coolant management for those jobs in order to protect surface finish and hold dimensional stability throughout a run.

Among the medical applications the company has produced is a stainless steel mallet shaft machined from high-strength 17-4 stainless steel for surgical use, held to a tolerance of ± 0.002 inches. The part illustrates the combination of material strength and dimensional control that instrument manufacturers commonly specify.

Finishing operations are handled through a mix of in-house and coordinated outside processes. Sanding, polishing and buffing are performed at the company's facility, while passivation and specialized coatings are managed through established outside service providers. Coordinating those steps through a single point of contact reduces the number of handoffs a customer must track.

The company's quality management system is registered to ISO 9001:2015, the international standard governing documented process control, corrective action and continual improvement. Medical device manufacturers routinely audit their supply base against such standards as part of their own regulatory obligations under FDA quality system requirements.

Beyond the medical sector, McCormick Industries serves aerospace, military, electromechanical, hydraulics and general industrial customers. Hermesen noted that the overlap benefits medical clients directly, because process disciplines developed for one regulated industry transfer readily to another.

"The tolerance work we do for aerospace and the traceability our defense customers expect end up raising the floor for every job in the building," Hermesen said. "When a medical device company brings us a program,

they are not getting a shop that learned tight-tolerance machining last year. They are getting three decades of it."

Production volumes range from single prototypes through full production runs. That flexibility matters in medical device development, where design iterations are frequent during the validation phase and quantities can scale sharply once a product clears regulatory review.

All CNC turning, milling and Swiss machining equipment is housed under one roof at the company's manufacturing facility, along with its inspection and finishing operations. Engineering support is available during the quoting stage for customers seeking input on design for manufacturability before a print is finalized.

McCormick Industries has provided contract precision machining services since 1996. The company works from customer-supplied prints and specifications across prototype, short-run and production quantities.

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McCormick Industries

McCormick Industries is a precision CNC machining facility specializing in swiss-type machining of small, complex parts for the industrial, aerospace, defense, and medical sectors since 1996.

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