Surgical Precision: Discover McCormick Industries' Cutting-Edge CNC Machining Technologies

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McCormick Industries, a leading provider of precision machining solutions, is setting new benchmarks in the medical manufacturing sector through its advanced capabilities in medical CNC machining services. With a rich history dating back to 1996, the company has specialized in delivering ultra-precise components critical to medical devices, instruments, and equipment. Leveraging state-of-the-art Swiss precision machining technology and a comprehensive ISO 9001:2015-certified operation, McCormick Industries caters to the exacting demands of the healthcare industry by producing parts with unparalleled accuracy and surface integrity.

The medical device industry requires components with extremely tight tolerances, intricate geometries, and flawless finishes. McCormick Industries meets these requirements head-on, employing CNC Swiss machining centers that can achieve dimensional tolerances as precise as ±0.0001 inches. Such exceptional precision allows the company to craft components that support a wide range of medical applications?from surgical instruments and implantable devices to orthotic equipment and diagnostic tools. This depth of machining expertise ensures that every product meets stringent FDA regulations and quality standards essential for patient safety and clinical efficacy.

One of the core strengths that distinguish McCormick Industries in the medical machining arena is its ability to handle complex projects involving difficult-to-machine materials. The company is well-versed in working with an extensive array of metals and medical-grade plastics, including stainless steel, titanium and its alloys, aluminum, brass, bronze, gold, and specialized polymers. This material versatility is vital because different medical applications require unique properties such as corrosion resistance, biocompatibility, or enhanced strength. By tailoring machining parameters and tooling strategies specifically to each material, McCormick ensures that every component not only meets dimensional specifications but also aligns with the functional demands of its intended application.

Gary Hermsen, CEO of McCormick Industries, emphasizes the company?s commitment to quality and innovation in medical CNC machining services. ?Our mission has always been to push the boundaries of precision and reliability in medical manufacturing,? Hermsen states. ?By integrating cutting-edge Swiss machining technology with rigorous quality control processes, we deliver components that help advance medical device performance. Whether it is a prototype or a full production run, our team focuses on meeting the stringent requirements with unmatched consistency and speed.?

In addition to machining complex shapes efficiently, McCormick Industries offers a comprehensive approach to finishing and post-machining processes that are critical in the medical field. The surface finish of medical components plays an essential role in ensuring sterilization and biocompatibility. To address these needs, the company provides in-house polishing, sanding, and buffing services to achieve smooth, blemish-free surfaces. McCormick also coordinates with trusted partners for specialized treatments such as passivation, which enhances corrosion resistance and durability, further increasing the lifespan and safety of medical parts.

The company?s advanced CNC turning and milling centers complement its Swiss machining capabilities by allowing rapid production of intricate components with consistent precision. These machines are instrumental in meeting tight lead times without compromising quality, a critical factor in the fast-evolving medical device marketplace. McCormick?s ability to scale production seamlessly from prototype development to high-volume manufacturing ensures that customers can innovate freely, with a reliable partner capable of translating designs into finished, functional parts.

McCormick Industries? commitment to continuous improvement and technology investment keeps it at the forefront of innovation in the CNC medical machining services space. The firm?s team of highly skilled engineers and machinists routinely collaborates with medical device manufacturers to optimize designs for manufacturability while ensuring the highest quality outcomes. This collaborative approach accelerates product development cycles and reduces downstream manufacturing risks, adding significant value to the medical supply chain.

The company?s robust quality assurance framework features rigorous inspection protocols, utilizing cutting-edge metrology instruments to validate every dimension and feature of each part produced. Compliance with ISO 9001:2015 standards underscores McCormick?s dedication to maintaining impeccable quality management systems that support traceability, repeatability, and flawless execution throughout the manufacturing process.

By combining advanced CNC technology with detailed finishing and post-processing capabilities, McCormick Industries has established itself as a trusted supplier capable of delivering precision components that exceed the demanding requirements of the medical industry. Its relentless focus on precision, quality, and customer

service allows medical device manufacturers to innovate with confidence, knowing their components will perform reliably in the most critical applications.

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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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