



Norman Noble Introduces Noble Electro-Tumble Polish *A Custom Electropolishing Process for Medical Implants*

HIGHLAND HEIGHTS, OHIO – December 6, 2023 – Norman Noble, Inc., the world’s leading contract manufacturer of next-generation medical implants, continues to innovate the finishing process of nitinol-based medical implants with the introduction of Noble Electro-Tumble Polish. Noble Electro-Tumble Polish has the ability to deburr, smooth, and polish intricate features on metallic-based implants made from nitinol, stainless steel, titanium, and cobalt chrome.

Norman Noble’s COO, Chris Noble said, “We are one of the first contract manufacturers to utilize this technology for finishing. Noble Electro-Tumble Polish has many advantages over our current deburring, cleaning, electropolishing, and passivation methods. I want to thank our finishing process development team for its research and diligent testing in its quest to improve our capabilities.”

Noble Electro-Tumble Polish is an electropolishing system for high performance nitinol next-gen implant designs. The system can improve corrosion resistance and custom polishing on selective part geometry to meet functional requirements. Noble Electro-Tumble Polish encompasses the benefits of mechanical and electro-chemical processes in one single process. Straight channels or right and obtuse angles with a minimum diameter of 4 mm can be internally polished. Noble Electro-Tumble Polish also increases efficiency and quality through single operation full batch processing, resulting in decreased variation from part to part. Lastly, it can provide equivalent or better surface finish results compared to traditional liquid electropolishing, with less material removal, allowing for better preservation of geometry, lower surface roughness, and improved corrosion resistance.

About Norman Noble, Inc.

Established over 75 years ago, Norman Noble, Inc. remains a family-owned and -operated company offering the most advanced processes for ultra-precision micromachining of medical implants. The company is known for its exceptional ability to produce nitinol-based implants and to achieve sub-miniature precision beyond the reach of most manufacturers. Norman Noble, Inc. is a supplier to most of the largest OEMs and well-known names in the medical device industry.

Norman Noble manufactures medical devices and implants to customer specifications in compliance with FDA regulations and ISO 13485. State-of-the-art processes include athermal laser machining, laser welding, Swiss turning and milling, conventional and wire EDM, high-speed 7-axis contour milling, electropolishing, nitinol shape setting, and clean room assembly and packaging. Rapid development prototyping services are available in separate and fully dedicated process development centers. FDA Registration #1531050. Virtual tour and more information: www.nnoble.com.

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