



Norman Noble, Inc. Introduces *ON-SITE* Rapid Development Prototyping

New Capability Provides Quick Turnaround Times for Prototypes

HIGHLAND HEIGHTS, OHIO – February 8, 2016 – Norman Noble, Inc., the world’s leading contract manufacturer of next-generation implants, has added dedicated capacity in its Process Development Centers (PDCs) to produce prototype iterations faster for medical device OEMs. The new capability, dubbed *ON-SITE* Rapid Development Effort (RDE), is currently available for:

- Laser Processing of nitinol shape-set implant designs, including: vascular stents, transcatheter heart valve components, neurovascular flow diverters, etc.
- 5-Axis Micro Milling & Turning of orthopedic implant designs, including: polyaxial screws, bone plates, etc.

Rapid Development Effort fills a critical need for medical device OEMs who, until now, had to choose between an ultra-fast 3D printed plastic prototype, or fully conforming machined part requiring longer lead times to produce. The new *ON-SITE* Rapid Development prototyping services available at Norman Noble, enable OEM Engineers to visit our facilities, as their designs are being manufactured real-time. Medical device engineers can now get metallic-based prototypes in a few days, allowing them to complete functional or verification testing and move faster to the next design iteration.

“We’ve invested heavily in our Process Development Centers at Norman Noble to expand our capabilities and increase prototyping speed for our customers,” said Chris Noble, vice president and chief operating officer of Norman Noble. “I firmly believe the greatest value we can provide to engineers is the ability to hand them something that closely resembles their conceptual drawing in their preferred material in a truly expedited manner. We can continue to repeat this process for the engineer until they are comfortable with freezing the design in preparation for validation.”

Norman Noble Process Development Centers support customers with ultra-precision micromachining of medical devices from initial prototype, through all stages of FDA approval, to full-scale manufacturing. The company's process development centers are central to its customers' ability to bring next-generation medtech devices to market quickly and cost-effectively, while meeting quality, delivery and regulatory requirements.

About Norman Noble, Inc.

Established 70 years ago, Norman Noble, Inc. remains a family-owned and -operated company offering the most advanced processes for ultra-precision micromachining. The company is known for its exceptional ability to achieve sub-miniature precision beyond the reach of most manufacturers. Norman Noble is a supplier to most of the largest OEM's 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 9001 and ISO 13485. State-of-the-art processes include laser machining and welding, Swiss turning and milling, conventional and wire EDM, high-speed 7-axis contour milling, Nitinol shape setting and clean room assembly and packaging. Prototype services are available in separate and fully dedicated process development centers. FDA Registration #1531050. For more information, please visit www.nnoble.com.

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