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**PRIME Project Publishes First Technical Whitepaper on GEN II Nitinol**

*Comprehensive study highlights performance of plasma-arc-melted ingots through tubing production*

**GLOBAL RELEASE — October 15, 2025**

The PRIME Project has released its first technical whitepaper, titled *The Implementation of Fort Wayne Metals' Plasma-Arc-Melted GEN II Ingots for Tubing*. Published just ahead of the US-based trade show **MD&M Midwest 2025**, the document presents extensive analytical findings that validate the use of PRIME GEN II for high-performance Nitinol tubing.

The whitepaper offers eight pages of technical data from across the PRIME value chain—including **differential scanning calorimetry (DSC)**, **tensile testing**, **scanning electron microscopy (SEM)**, and **inclusion max feature size and area percent**—providing a comprehensive picture of material quality, phase transformation behavior, and mechanical performance. The study also details processing behavior during tube drawing and its relevance for downstream device manufacturing.

Developed for advanced implant designs, PRIME GEN II combines enhanced superelasticity, low hysteresis, and strong fatigue characteristics. The results highlight its suitability for applications requiring tight tolerances, precise actuation, and long-term durability.

“Sharing real-world data is central to PRIME’s goal of bringing a new melt source to Nitinol tube manufacturers,” said Jeremy Rohrs, President of Fort Wayne Metals. “This paper not only validates GEN II’s properties—it also gives engineers and material specialists the confidence to work with it in critical applications.”

The whitepaper is the first in a series of planned publications from PRIME members **Fort Wayne Metals, Vascotube, EUROFLEX, ADMEDES, and MeKo**, designed to increase transparency and collaboration across the Nitinol supply chain.

The publication is available now and will be highlighted at **MD&M Midwest** in Minneapolis on **October 21–22, 2025**.

Request a copy at [press@prime-ingot.com](mailto:press@prime-ingot.com) or visit [www.prime-ingot.com](http://www.prime-ingot.com).

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#### **About Fort Wayne Metals**

A leading manufacturer of precision materials used in life-improving medical devices, Fort Wayne Metals is dedicated to making Northeast Indiana and the world a better place. As committed as we are to supporting our customers' medical technologies, our more than 1,700 employees are just as committed to contributing to community organizations and causes. Whether it's providing the world with customized material solutions to support the medical device industry or championing efforts that lift up local communities, we are passionate about making lives better. Learn more at [fwmetals.com](http://fwmetals.com).

#### **About EUROFLEX**

EUROFLEX is a globally leading supplier of high-grade semi-finished products and medical components from a variety of materials. The company was founded in 1993 and is part of the G.RAU Group with about 2,000 employees worldwide.

As a leading specialist for solutions made from NITINOL and many other innovative materials, like Stainless Steel, Cobalt-based Alloys, Titanium-based Alloys, Tantalum, Platinum Alloys or Material Compounds, EUROFLEX is the competent partner for many companies in the field of medical technology.

Fast sample production, customer support from the sample to serial production as well as extensive analysis and investigation methods are part of the services of the company group. Learn more at [Euroflex.de](http://Euroflex.de).

#### **About Vascotube**

Vascotube is entirely focused on the custom manufacturing of tubing for the medical device industry, with an emphasis on Nitinol. Our tubing can withstand the highest expectations of our customers. We have gained a lot of attention from customers who require unique OD/WT ratio, highest surface smoothness and tightest tolerances on wall thickness as well as the concentricity of the tubing. Learn more at [vascotube.com](http://vascotube.com)

**About ADMEDES**

ADMEDES is a leading metallic component supplier in the global medical device industry, renowned for its cutting-edge technologies and innovative solutions. Our commitment to business continuity is evident in our state-of-the-art production facilities in Germany, USA and Costa Rica, which are equipped with the latest technologies to ensure uninterrupted high-volume production. Quality is at the core of our operations, with a team of dedicated employees who adhere to stringent quality control measures at every stage of the manufacturing process. Our relentless pursuit of innovation drives us to constantly push the boundaries of what is possible in medical technology. Learn more at [admedes.com](https://admedes.com).

**About MeKo Manufacturing e.K.**

MeKo is a trusted contract manufacturer of high-precision components for medical devices. ISO 13485 certified and FDA registered, MeKo produces vascular stents and scaffolds, precision-cut hypotubes, orthopedic instruments, and minimally invasive devices using Nitinol and various other materials. Combining deep material expertise with robust in-house R&D, MeKo offers advanced manufacturing capabilities including laser processing, electropolishing, shape setting, passivation, and coating. Leveraging the same production platforms, MeKo simplifies the path from early-stage prototypes through full-scale production, delivering technical depth, speed, and reliability. This continuity helps MedTech innovators worldwide launch breakthrough technologies to improve lives. Learn more at [meko.de](https://meko.de).