PRIME

Next-generation Nitinol

Developed by Leaders. Proven in Practice.
**Ready for Innovation.**

PRIME is a strategic initiative driven by five trusted experts across the Nitinol supply chain. From melting over tube drawing to device manufacturing, the open project ensures consistent quality, availability, and performance.

Together, we address the industry's need for a future-proof material source – ready for today's challenges and tomorrow's innovations.

From Ingot to Implant
A fully integrated process chain – rigorously tested at every step.
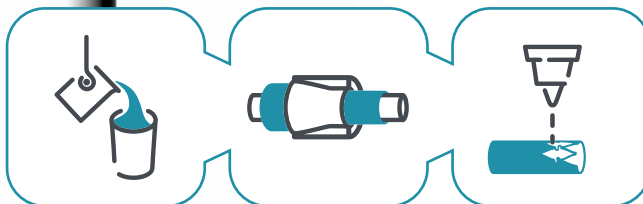
FORT WAYNE METALS
Turning knowledge intc solutions:

EUROFLEX®
WE CREATE SOLUTIONS

Vascotube
A Cirtec Company

ADMEDES
IDEAS. EXPERTISE. PASSION.

MeKo
MEDTECH

www.prime-ingot.com

Technical Excellence Confirmed

From metallography and SEM to tensile strength and corrosion resistance – the results confirm that the material meets the highest quality standards for tube production and device manufacturing.

- **Material Compliance**
  Fully meets ASTM F2063-18, validated by every project partner
- **Mechanical Performance**
  Outstanding strength, shape memory response, and heat treatment behavior
- **Surface & Corrosion Resistance**
  Excellent results in SEM, visual, and electrochemical corrosion tests
- **Process Reliability**
 Smooth performance in all steps – from drilling to component fabrication

Diamond shape

Our Three Quality Grades – The Right Material for Every Application

GEN I is ideal for standard stents, GEN II additionally supports the demands of neurovascular stents, and GEN III-HCF — featuring the smallest inclusion sizes — is perfectly suited for applications requiring exceptional fatigue life, such as heart valve frames and diamond-shaped components.
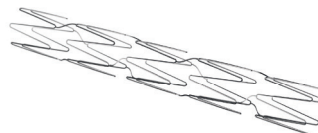
We're happy to help you choose the best material for your specific needs.
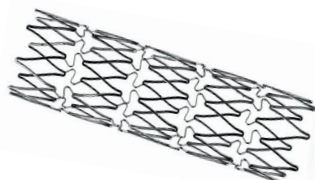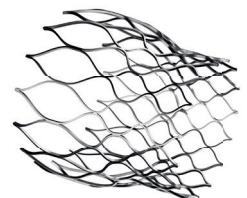
GEN I
39 µm
max. inclusion size

GEN II
20 µm
max. inclusion size

GEN III-HCF
10 µm
max. inclusion size

Rethink Nitinol

With verified quality, robust supply chains, and proven process reliability, **PRIME** (**PR**oficient **I**ngot **M**aterial **E**valuation) is your strategic edge in a demanding market. From melting by **Fort Wayne Metals,** tube drawing by **Vascotube** and **EUROFLEX,** to medical device manufacturing by **ADMEDES** and **MeKo**® **MedTech** – each partner contributes specialized expertise across the entire value chain.

Let's build your next-generation solution – together.

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