

Marker Bands & Electrode Rings

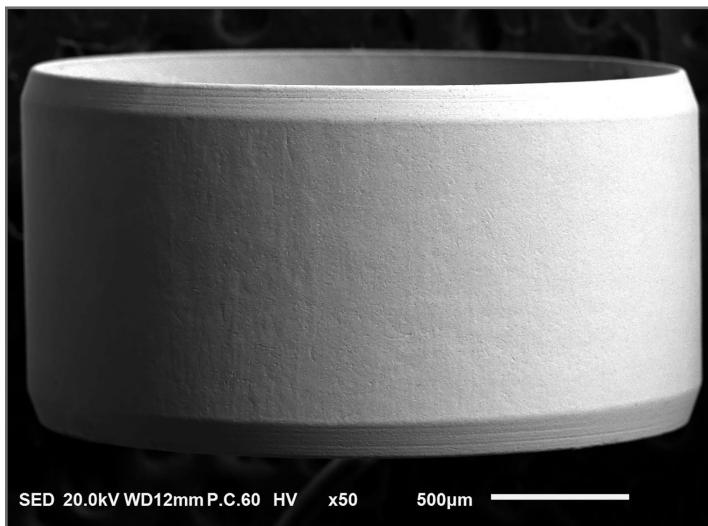
Built for Scale from Melt to Marker

Integer sets the standard for quality in marker band and electrode ring manufacturing. Our vertically integrated capabilities ensure consistent and precise marker bands and electrode rings for a broad range of catheter-based devices and delivery systems. We are a trusted partner to leading OEMs across structural heart, electrophysiology, neurovascular, peripheral vascular, and interventional cardiology markets.

- **Full vertical integration combining metal melting, tube drawing, and precision machining under one roof** enabling seamless high-volume production with exceptional consistency, speed, and scalability.
- **We manufacture over 150 million marker bands and electrodes annually**, delivering immense scale and reliability for high-demand programs.
- **Application-specific engineering expertise across a broad range of product platforms and therapies** to optimize marker band and electrode design for visibility, conductivity, placement, and device integration.
- **Extensive materials portfolio** spanning a broad range of precious metals, refractory metals, and specialty alloys.
- **Deep material expertise** powered by PhD-level metallurgists and a full materials lab to deliver deep material insight for custom alloy development, failure analysis, and process optimization.
- **Flexible pool account options and forward-buy agreements** to mitigate precious metal price volatility ensuring predictable pricing and reduced financial risk.



Precision Metrology in Action



SEM secondary electron image of a Pt10Ir marker band at 50x magnification, highlighting the smooth surface finish and precision chamfering.



Capability	Specifications
Typical Outer Diameter Range	0.005" to 0.350"
Wall Thickness	0.0005" and above
Edge Geometry	Chamfer, radius, and sharp edges
Other Design Options	Split bands, slotted, formed tubing, and solid stent markers
Precious Metals	Platinum alloys (pure Pt, Pt/10%Ir, Pt/20%Ir), gold alloys (24K gold, 18K gold), palladium alloys, silver, and custom alloys
Refractory Metals	Tantalum and niobium
Specialty Alloys	Low Ti MP35N, medical-grade stainless steel, and Elgiloy®

Ready to elevate your device performance?

Connect with Integer to discuss your next project. Our team is here to collaborate, customize, and deliver precise solutions that meet your exacting needs and requirements.

E-mail **CV-Solutions@integer.net** to speak directly with a technical expert.