

SPECIALTY METALS AND VALUE-ADDED SERVICES FOR THE MEDICAL DEVICE INDUSTRY

Banner Medical Innovations is a strategic business unit of Banner Industries. Since 1961, Banner Industries has served the precision machining industry by providing the highest quality materials and value-added services that offer superior processing capability, reduced supply chain complexity, and risk mitigation. Our mission is to provide defect-free materials and components that allow our customers to manufacture the best products for the medical device industry.

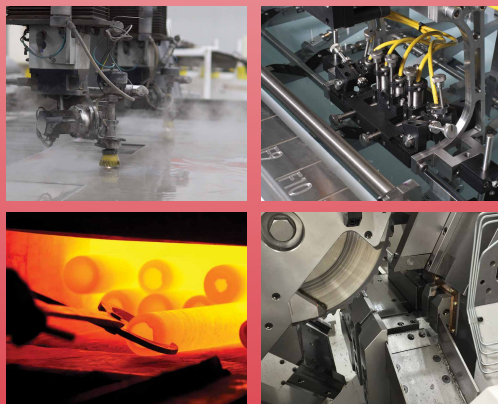


COMMITMENT TO EXCELLENCE

As an ISO 13485 certified supplier to the medical device industry, Banner has implemented stringent quality standards and employs talented personnel who have thoroughly validated our equipment through the IQ, OQ, and PQ processes required by FDA protocol. Though few processors of medical grade material perform validation testing to this degree, we can confirm that our machining processes do not change the physical properties of the material, and assure you that our materials will meet your specifications every time.

MARKETS SERVED

Banner Medical supplies OEMs and Contract Manufacturers all over the world with metals that meet ASTM and customer specifications. Our material has typically been used in the Orthopedic, Spine, Extremities, Dental, Medical Equipment, and Trauma Markets.



VALUE-ADDED SERVICES

Banner Medical offers a broad selection of common value-added services to improve efficiency, increase throughput, cut down on scrap, and reduce risk for our customers.

- *In-House Ultrasonic Testing*
- *Line Marking*
- *Bar End Chamfering*
- *Near-Net Shape Components & Implants*
- *Water-Jet Cutting*
- *Material Composition Confirmation*
- *Heat Treating & Stress Relieving*
- *Surface Treatments: Anodizing, Hard Chrome Plating, & Passivation*

Banner Medical offers precision cut-to-length services for bar and flat stock alloys in stainless, titanium, and aluminum grades. This service delivers cost savings by reducing the time associated with cutting material to length in-house and sending it back out for additional processing that's commonly required.

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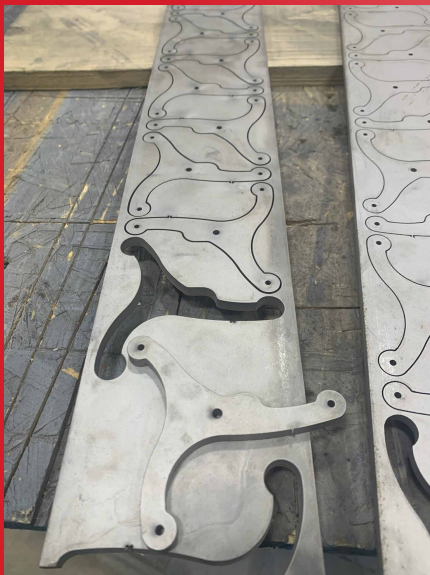
Material Solutions.
Product Advancement.
Better Lives.



Banner Medical is an *ISO 13485* certified supplier to the medical device industry. We carry an extensive portfolio of materials commonly used in the manufacturing of instruments and devices for the spine, extremities, orthopedic, and dental markets. The following provides an overview of product held in our inventory, and material grades which are readily accessible. In the event that you need a grade that is not listed, please do not hesitate to call us. Our ability to source and process material quickly allows us to easily customize and produce sizes to match your application requirements.

Stainless Steel Instrument, Implant, and Device Grades from .032" through 6.00" O.D.	<ul style="list-style-type: none"> • 303, 304, 316 Stainless • BioDur® 316LS • BioDur® 108 Alloy • BioDur® 22Cr-13Ni-5Mn • Custom 455® Stainless • Custom 456® Stainless • Project 70® + Custom 630 (17Cr-4Ni) Stainless • Sandvik Bioline 316LVM (implantable) • Type 416 Stainless Cond. H (Rc 32-38) • Type 420/420B Stainless • Type 440A Stainless • Type 440C Stainless • Type 17-4 PH • Type 17-4 PH Cond. 900 • X15TN • Nitronic 60 • 13-8 Stainless
Titanium Implant and Device Grades from .032" through 6.00" O.D.	<ul style="list-style-type: none"> • 6Al-4V • 6Al-4V ELI • Commercially Pure Grade 1 • Commercially Pure Grade 2 • Commercially Pure Grade 3 • Commercially Pure Grade 4
Implant Cobalt Chrome Grades (Rounds) from .032" through 2.500" O.D.	<ul style="list-style-type: none"> • L-605 • MP35N • BioDur® Carpenter CCM® • ASTM F1537/F799 Alloy 1 • ASTM F1537/F799 Alloy 2
Aluminum Bar, Tubing, Profiles, and Shapes	<ul style="list-style-type: none"> • 2024 • 6061 • 6063 • 7075

** Many of the grades listed are available in rounds, flats, profile shapes and tubing. Additional custom sizes can be available upon request. Please contact us for all of your medical grade material requirements.



VALUE-ADDED MACHINING

Banner Medical has a broad range of capabilities to process parts with customer specified lengths, widths, diameters, and shapes. We will eliminate your blanking operations by producing pucks, blocks, short bars, strips, and net shape profiles that can be delivered directly to your machining centers.



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