



SUPERIOR MATERIALS FOR THE MOST DEMANDING APPLICATIONS

ABOUT US

Since 1961, Banner Service Corporation has been a premium producer of ground bar products to North America's commercial and industrial sectors. With over 50 years of material sourcing and processing experience, we are known as a single source producer of precision ground materials and value-added services that streamline and optimize supply chain efficiency. Our ability to provide a broad array of precision ground material coupled with an extensive portfolio of value-added services reduces supply chain complexity, provides enhanced risk mitigation, and delivers superior products. At Banner, we take pride in partnering with our customers to help them maximize their productivity and deliver the best products to the market place.



MATERIAL ACCESSIBILITY AND EXTENSIVE INVENTORY

Banner has formed strategic partnerships and alliances with mill providers to offer the broadest selection of materials available. We stock over 6 million pounds of common commercial and aerospace grades of raw materials in outside diameters ranging from .032" through 9.00." Common grades include, but are not limited to:

- **Carbon Steel:** 1018, 1045, 1050 MOD, 10V45, 1060, 1117, 11L17, 1141, 1144 (Stress Relieved), 12L14, 1215
- **Alloy:** 4130AQ, 4130 AQ Normalized, 4140HT & Q&T, 41L40, C1144 Fatigue Proof®, 4150HT, 4340HT, ETD150, E52100, 8640 Annealed, 8620, 86L20
- **Stainless Steel:** 303, 304/304L, 316, 410, 416, 420, 440A, Custom 455® & 465®, Type 440C, Type 17-4 PH, 17-4 PH Cond. 900/1025/1150
- **Aluminum:** 6061 (various tempers), 2024, 7075
- **Titanium:** 6Al-4V, 6Al-4V ELI, 6Al-7Nb, Commercially Pure Grades 1 through 4
- **Brass:** All common grades



In the event that you need a grade that is not listed, please do not hesitate to contact us.

Value-Added Services

CUT-TO-LENGTH



Banner can improve efficiency, increase throughput, cut down on scrap, and reduce risk for our customers. Our value-added service offering delivers a single source option for common requirements that often create constraints and increase supply chain complexity. Utilizing Banner for these services can reduce costs while improving material flow.

LINE MARKING



HEAT TREATING



ULTRASONIC TESTING



SURFACE TREATMENT: ANODIZING, OXIDE, CHROME



NEAR-NET PROCESSING



CHAMFERED BARS



Processing Capability

Banner Service Corporation has over 200,000 square feet of production area under roof with the manufacturing capacity, equipment, and quality systems required to deliver the finest centerless ground materials.

Our state-of-the-art facility contains the industry's most advanced processing and value-added service equipment. We can process various grades of materials including: flats, plate, sheet, and bar from .032" to 9.00" in diameter. Banner can routinely achieve dimensional specifications on ground and polished material to the following requirements:

- **Surface Finish to 4 micro inches**
- **Outside Diameter Tolerance of +/- .0001"**
- **Roundness Tolerance .0002"**
- **Straightness of .002" TIR**



Processing Capability	Banner Facility Location		
	Carol Stream, IL	Strongsville, OH	Charlotte, NC
Bar O.D. Range	.032" to 2.50"	.250" to 9.00"	.1875" to 4.00"
Bar Length Range	3' to 40'	8' to 40'	8' to 30'
O.D. Tolerance Range	+/- .0001"	+/- .0005"	+/- .0005"
Straightness Tolerance	.003" per ft.	.002" per ft.	.002" per ft.
Facility Square Footage	95,000 sq. ft.	60,000 sq. ft.	50,000 sq. ft.
ISO Certification (s)	ISO 9001:2008 ISO 13485 AS9100C	ISO 9001: 2008	ISO 9001: 2008 ISO 13485

Supply Chain Management

Banner understands the need to minimize inventory while maintaining adequate material flow through your facility. We specialize in helping Precision Machine Shops, Contract Manufacturers, and OEMs cut costs through reduced inventory levels, shortened lead times and increased productivity. The following provides an overview of some of our services:

- **Consolidated Freight (Bundling)**
- **Material Selection Assistance**
- **Material Evaluation Services**
- **Complete Material Traceability and Records Management**



Superior Quality Systems

Banner Service Corporation takes pride in delivering materials that meet or exceed your expectations, every time, on-time. With machining technologies continuing to evolve, the need for superior straightness, roundness, and diameter tolerance have never been more critical. Our processes minimize risks and ensure maximum productivity rates with superior part quality you can count on. The following lists key elements of our quality system:

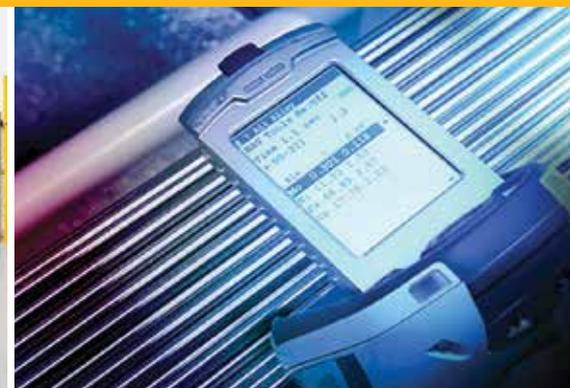
- **ISO 9001:2008**
- **AS9100C**
- **XRF Technology for positive material confirmation**
- **Ultrasonic Testing to the latest ASTM, ASM and OEM specifications to assure defect-free material**



Inspection utilizing the latest in dimensional and surface measurement technology assures product meets or exceeds customer requirements.



The latest in immersion ultrasonic testing assures defect free materials are used prior to machining.



XRF Technology determines material composition versus mill certification to assure the right material is delivered every time.

MARKETS SERVED

For over 50 years, Banner Service Corporation continues to be a premier producer of precision ground bar, centerless grinding, turning, and straightening services to a broad array of industries. Our commitment to quality along with our processing and sourcing capabilities creates value by offering a single source solution for your shaped and round processed material requirements. Our strength lies in providing end-to-end supply chain management of our customers' cold finished bar requirements. Many of our customers count on us as a sole source/majority supplier of commercial metals and near-net shape components due to the value we bring through superior supply chain management, risk mitigation, and manufacturing expertise.



PRECISION MACHINE SHOPS

Precision machine shops rely on centerless ground materials for maximum productivity and superior part quality. This practice reduces scrap rates, increases tool life and machine productivity while minimizing downtime and generating higher feed and rotational speeds. Banner Service Corporation can offer you a comprehensive portfolio of carbon, stainless, aluminum, and brass materials in a broad range of sizes quickly.



AUTOMOTIVE

As quality demands increase in the automotive industry, the use of centerless ground bar continues to be the best choice amongst OEMs, Contract Manufacturers, and Precision Machine Shops. Banner offers a wide variety of centerless ground materials commonly used in automotive applications.



PUMP

Banner specializes in the supply of Pump Shaft Quality (PSQ) and Bearing Shaft Quality (BSQ) material for the irrigation, hydraulic, marine, and industrial sectors. Our processing capability allows Banner to produce pump shaft material in lengths up to 40' with outside diameters to 9.00". Banner brings value with our ability to provide the straightest bar with superior O.D. tolerance and surface finish to the market. These key characteristics allow for improved productivity, performance and long life. We carry various stainless steel, alloy and carbon steel grades routinely used for pump applications. Banner also offers a broad array of value-added service options specifically designed to cater to the needs of pump OEMs and repair facilities.



AEROSPACE

Banner understands the criticality of quality as it pertains to aerospace components. As an AS9100C certified supplier, we have built quality into every step of administration, manufacturing, and logistics portions of our business. We offer a broad portfolio of stainless, titanium, and aluminum material grades that have been designed to meet the most demanding aerospace applications.



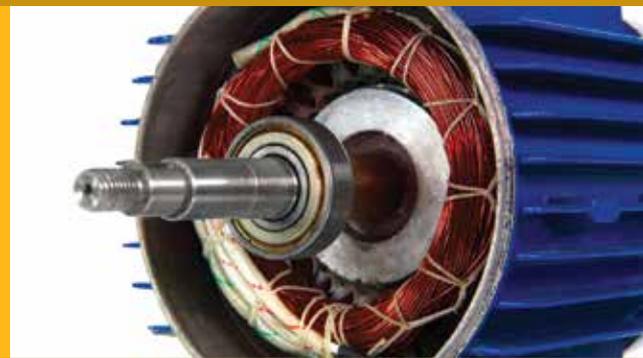
ARMS AND AMMUNITION

Banner Service Corporation delivers a broad portfolio of carbon, brass, and alloy materials specifically designed to meet the needs of the arms and ammunitions industry. Our ability to readily source and process material quickly enables weapons OEMs and Contract Manufacturers to keep up with demand while producing the finest ammunition and firearms products possible.



ELECTRIC MOTORS/POWER TRANSMISSION

Electric Motor and Gear Box OEMs often use centerless ground materials to assure drive shaft straightness, run-out, outside diameter consistency, and superior bearing fit. Banner Service Corporation offers a comprehensive selection of materials that are ideal for power transmission applications.



FLUID POWER

Precision ground materials are critical to OEMs and Contract Manufacturers serving the fluid power industry. Banner supplies processed materials for a broad array of applications that include pump, sensors, cylinder, cartridge valve, and directional valve components.



BANNER
COMMERCIAL
Turning Material Solutions Into Reality.





Corporate Headquarters Carol Stream, IL

- 95,000 square feet
- ISO 9001: 2008 Certified
- ISO 13485 Certified
- AS9100C: 2009 Certified
- O.D. Range: .032" - 2.50"
- Bar Length Range: 3' to 40'

Strongsville, OH

- 60,000 square feet
- ISO 9001: 2008
- Bar O.D. Range: .250" - 9.00"
- Bar Length Range: 8' to 40'

Charlotte, NC

- 50,000 square feet
- ISO 9001: 2008 Certified
- ISO 13485 Certified
- Bar O.D. Range: .1875" - 4.00"
- Bar Length Range: 8' to 30'
- CNC Cutting

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