

Turning material solutions into reality.

For over 50 years, Banner Industries has been a premier supplier of precision ground bar, centerless grinding, turning, precision slit coil, precision blanking, cut-to-length and straightening services.



**NATIONAL
KWIKMETAL
SERVICE**
A BANNER INDUSTRIES COMPANY

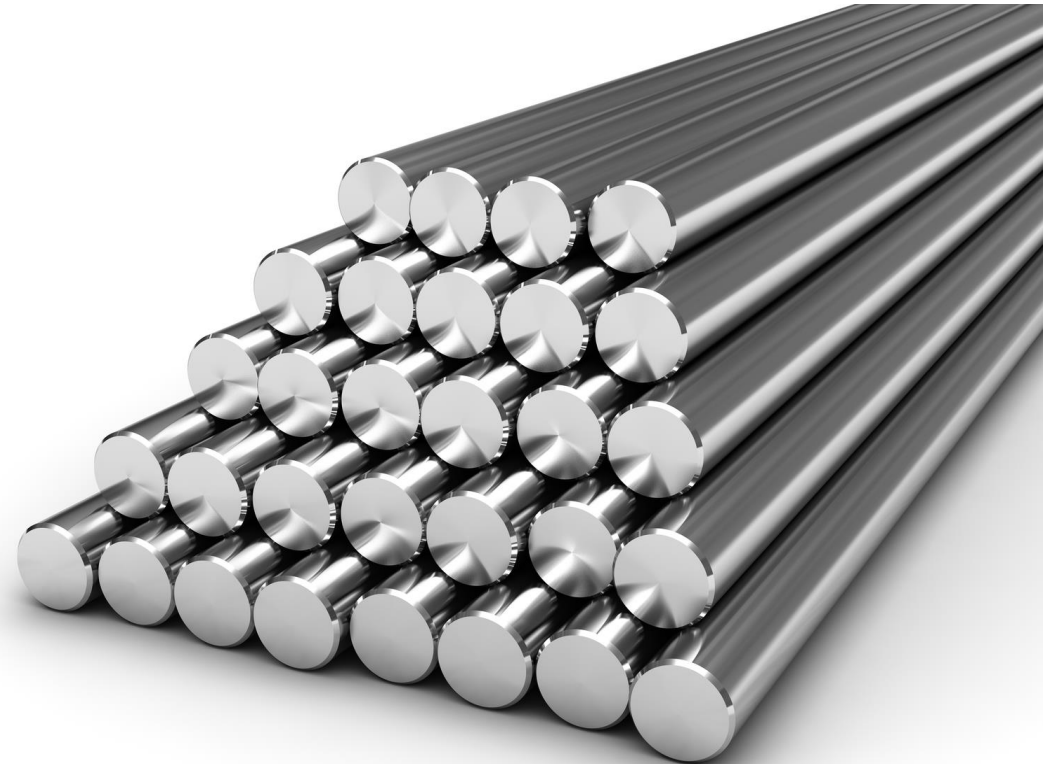


Our Commitment to Excellence

Banner Industries is a premier supplier of precision ground bar, centerless grinding, turning, straightening and slit coil. Our 10 facilities across the United States and Mexico contain over 25 million lbs. of alloy steels, aluminum, brass, carbon steels, cobalt alloys, stainless steels, and titanium bar, coil, plate and sheet. Banner is committed to excellence and is an ISO 9001 certified supplier to a variety of commercial industries, ISO 13485 certified for the medical devices industry, and AS9100 certified for the aerospace market. Banner delivers custom tailored and complete supply chain solutions to its many customers and prides itself on its ability to provide end-to-end supply chain management. For many of our customers, we are a majority supplier of metals and components due to the value we bring through superior products and manufacturing expertise.

World-class supplier of
metal materials

Banner Commercial has
been producing precision
ground material for over
50 years, becoming one
of North America's
largest independent
manufacturers of
centerless ground and
turned, ground, and
polished bar.



Value-Added Services

Cut-To-Length

Line Marking

Heat Treating

Ultrasonic Test

Near-Net Processing

Chamfered Bars

Surface Treatment:

Anodizing, Oxide, Chrome

Material Accessibility & Inventory

Carbon Steel

Stainless Steel

Alloy

Titanium

Aluminum

Additional Products



Processing Capabilities	Banner Commercial Facility Location	
	Carol Stream, IL	Strongsville, OH
Bar O.D. Range	.032" to 2.50"	.250" to 9.00"
Bar Length Range	3' to 40'	8' to 40'
O.D. Tolerance Range	+/- .0001"	+/- .0005"
Straightness Tolerance	.003" per ft.	.002" per ft.
Facility Square Footage	95,000 sq. ft.	60,000 sq. ft.
ISO Certification	ISO 9001 ISO 13485 AS 9100	ISO 9001



Specialty metals & value-added services for the medical device industry.

Since 1961, Banner 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.



Value-Added Machining

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



Extensive Portfolio of Materials

Stainless Steel

Titanium

Cobalt

Aluminum



Precision pump shaft quality solutions

Banner P&M Supply specializes in the supply of Pump Shaft Quality (PSQ) and Bearing Shaft Quality (BSQ) raw material for the irrigation, hydraulic, marine, and industrial sectors.

Our facilities are designed and equipped with the latest in centerless grinding technology and quality systems to meet our customers' needs for the ultimate in precision and superior quality.



Processing Capability

From irrigation to hydraulic, marine and industrial sectors, Banner P&M Supply has the processing capability to produce pump shaft material with superior O.D. tolerance and surface finish. Our PSQ and BSQ bar is the straightest in the market providing improved productivity, performance and long life. We also offer a broad array of value-added service options specifically designed to meet the needs of pump OEMs and repair facilities.

Extensive Inventory

From carbon steel 1045 to stainless steel 316, 416 and 17-4ph, you can count on us to have it. The Lubbock, Texas facility alone offers over one million pounds of finished 416 PSQ materials, adding to our existing inventory of over eight million pounds.



Your leading edge for medical grade bar stock

Edge International is a stocking distributor of medical grade raw materials for the manufacture of implants and instruments used in the orthopedic, spine and trauma sectors of the medical devices industry. We concentrate on the medical market to ensure the highest level of compliance, quality, and service.

Metals Specialists

As a specialist stocking distributor of Cobalt-Alloy, Stainless Steel, and Titanium Bar for the manufacture of implants and instruments, Edge works with customers to provide cost effective solutions to satisfy pricing requirements and materials support for our strategic products.



Common Name	ASTM Standard	ISO Standard	UNS Designation
CoCrMo or CCM Alloy 1	ASTM F1537, Alloy 1	ISO 5832-12	R31537
CoCrMo Alloy 2 (High Carbon) or CCM Plus	ASTM F1537, Alloy 2	ISO 5832-12	R31538
L605	ASTM F90	ISO 5832-5	R30605
MP35N	ASTM F562	ISO 5832-6	R30035

Common Name	ASTM Standard	ISO Standard	UNS Designation
316LS or 316LVM	ASTM F138	ISO 5832-1	S31673
420	ASTM A276		S42000
440A	ASTM A276		S44002
440C	ASTM A276		S44004
Custom 455	ASTM A564/F899		S45500
Custom 465	ASTM A564/F899		S46500
Custom 630 or 17-4PH	ASTM A564/F899		S17400

Common Name	ASTM Standard	ISO Standard	UNS Designation
Ti-6Al-4V or Grade 5	ASTM F1472	ISO 5832-3	R56400
Ti-6Al-4V ELI or Grade 23	ASTM F136	ISO 5832-3	R56401



Premier Metals Service Center

National Kwikmetal Service LLC is one of the fastest growing stainless steel and aluminum service centers in the USA. With facilities across the United States and Mexico, NKS ensures quality products and excellent service to customers hailing from a variety of industries and from all over the world. At NKS we have the personnel, the equipment and the wherewithal to provide for our customers in a competitive manufacturing market.

AUSTENITIC GRADES

301, 304, 305, 309S, 310S, 316L, 317L, 321, 347

FERRITIC GRADES

409, 410S, 434, 439, 441

MARTENSITIC GRADES

410, 420, 440^a

GRADES

1XXX, 3XXX, 5XXX, 6XXX, 7XXX

TEMPERS

All



**NATIONAL
KWIKMETAL
SERVICE**

A BANNER INDUSTRIES COMPANY

Plantas México (Querétaro)

Cortadora

Peso máximo de bobina en el Desbobinador

Peso máximo de bobina en el Rebobinador

Ancho máximo de bobina a la entrada

Ancho máximo de bobina a la salida

Diámetro máximo externo de la bobina en el Desbobinador

Diámetro máximo externo de la bobina en el Rebobinador

Rango del DI de la bobina de entrada

Rango del DI de la bobina de salida

Espesor máximo de corte

Espesor mínimo de corte

Aplicador de PVC

Yoder de 24"

12,000 lb

12,000 lb

24.000 pulgadas

24.000 pulgadas

51.000 Pulgadas

51.000 Pulgadas

16-20 pulgadas

16-20 pulgadas

0.075 pulg.

0.010 pulg.

Si

Illinois (Des Plaines/Itasca)

Cortadora

Peso máximo de bobina en el Desbobinador

Peso máximo de bobina en el Rebobinador

Ancho máximo de bobina a la entrada

Ancho máximo de bobina a la salida

Diámetro máximo externo (el Desbobinador)

Diámetro máximo externo (el Rebobinador)

Rango del DI de la bobina de entrada

Rango del DI de la bobina de salida

Espesor máximo de corte

Espesor mínimo de corte

Aplicador de PVC

Yoder de 12"

5,000 lb

5,000 lb

12.500 pulg.

12.000 pulg.

60.000 pulg.

50.000 pulg.

16-20-24 pulg.

6-12-16-20 pulg.

0.030 pulg.

0.001 pulg.

Si

Reusch de 18"

5,000 lb

4,000 lb

18.500 pulg.

18.000 pulg.

60.000 pulg.

48.000 pulg.

16-20-24 pulg.

6-12-16-20 pulg.

0.135 pulg.

0.004 pulg.

Si

Reusch de 24"

10,000 lb

10,000 lb

24.500 pulg.

24.000 pulg.

60.000 pulg.

48.000 pulg.

16-20-24 pulg.

6-12-16-20 pulg.

0.030 pulg.

0.001 pulg.

Si

Braner de 24"

10,000 lb

8,000 lb

24.000 pulg.

24.000 pulg.

72.000 pulg.

72.000 pulg.

16-20-24 pulg.

16-20-24 pulg.

0.0750 pulg.

0.007 pulg.

Si

Braner de 52"

30,000 lb

30,000 lb

52.000 pulg.

52.000 pulg.

72.000 pulg.

70.000 pulg.

20-24 pulg.

20-24 pulg.

0.120 pulg.

0.10 pulg.

Si

K&S de 24"

10,000 lbs

10,000 lbs

24.000 pulg.

24.000 pulg.

60.000 pulg.

60.000 pulg.

16-20 pulg.

6-16-20 pulg.

0.032 pulg.

0.004 pulg.

Si

Tennessee (La Vergne)

Cortadora

Peso máximo de bobina en el Desbobinador

Peso máximo de bobina en el Rebobinador

Ancho máximo de bobina a la entrada

Ancho máximo de bobina a la salida

Diámetro máximo externo de la bobina en el Desbobinador

Diámetro máximo externo de la bobina en el Rebobinador

Rango del DI de la bobina de entrada

Rango del DI de la bobina de salida

Espesor máximo de corte

Espesor mínimo de corte

Aplicador de PVC

Stamco de 26"

10,000 lb

10,000 lb

26.500 pulgadas

25.000 pulgadas

61.500 pulgadas

60.000 pulgadas

20-24 pulgadas

16-20 pulgadas

0.095 pulg.

0.015 pulg.

Si

Stamco de 52"

40,000 lb

30,000 lb

52.500 pulgadas

50.000 pulgadas

67.000 pulgadas

60.000 pulgadas

16-20-24 pulgadas

20-24 pulgadas

0.135 pulg.

0.016 pulg.

Si

Bordeadora

4,000 lb

4,000 lb

6.500 pulgadas

6.500 pulgadas

60.000 pulgadas

60.000 pulgadas

16-20 pulgadas

Solo 20

0.130 pulg.

0.027 pulg.

No

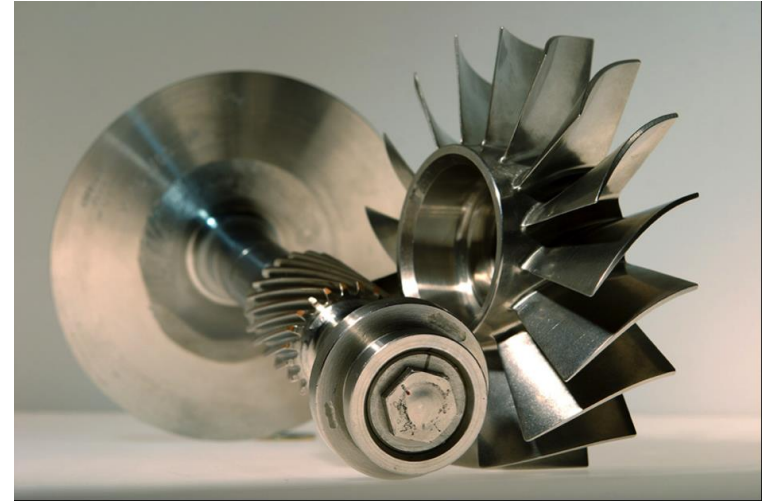


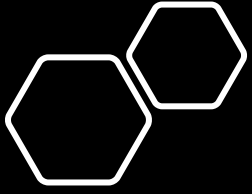
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The comprehensive high temperature metals resource

Supra Alloys has been a major leader in metal supply chain solutions for the Aerospace, Medical, and Industrial markets for over 40 years. Supra stocks a complete range of Hi-Temp and Specialty Metals in various forms such as bar, sheet, and plate – with in-house capabilities including chemical milling, shearing, precision cutting/grinding, coil slitting, and chemical/physical testing.





Inventory

With a wide-ranging inventory of material types, sizes, and grades, Supra Alloys provides mill products, including:

- PLATE, SLAB
- SHEET, FOIL
- TUBE, WELDED AND SEAMLESS PIPE
 - EXTRUSIONS
- COIL and STRIP
 - WIRE
 - BAR
 - BILLET
- RECTANGULAR BAR





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NKS Team Nationwide ready to
support you!!