



We do the Difficult Every Day; Achieving the Impossible Takes Us a Bit Longer

We specialize in machining and turning components that are 1" to 8" in diameter and up to 60" in overall length. Our spectacular quality record and blazing turnaround time make us a preferred partner for OEMs who utilize pump components and other rotating components that need to be wear-resistant. Here are a few of the machines that keep our quality high (99.4% defect-free) and our delivery performance at 98.0% on time:



99.4%
Defect Free

Plasma-Tec, Inc.[™]

PRECISION TURNING GRINDING THERMAL SPRAY

Equipment & Capabilities

Sweet Spot - General

- Round, turned & ground
- 1" - 8" Ø (diameter), up to 60" in OAL (overall length)
- Medium to high precision CNC turned parts (.0005 - .001" tolerances)
- Thermal spray coatings - Spray & Fuse, HVOF, Plasma, Rokide[™], Twin-wire arc

Capabilities - General

- CNC turned parts
1 - 4.5" Ø up to 60" OAL
- Manual turned parts
4.5 - 20" Ø up to 36" OAL
- OD grind up to 15"Ø & up to 60" OAL

CNC Turning Centers

- (7) Mazak CNC Turning Centers - (1) with milling capabilities
- 1"- 4.5" OD Max length of 60" OAL
- 4.5"- 20" OD Max length of 36" OAL

Grinders

- (5) CNC OD Grinders
- Max 12" Dia. X 60" OAL
- Surface
- Manual OD & ID Cylindrical

Vertical CNC Mills

- Max 48" X 32" X 14"
- Keyways
- Pockets
- Contours

Automatic Face & Center Machines

- Up to 9" Dia. X 64" OAL

RAM EDM

(electrical discharge machine)

- EDM Solutions 300H
- Sled keys
- Capable of sizes up to 20" x 20" x 24"

Manual Lathes

- (4) Manual Lathes
- Max 12" Dia. X 60" OAL
- Knurl
- Bore
- Drill & tap
- Turn OD & ID
- Square bore up to 1.500"
- Cut threads on Ø's up to 3"

Sub-arc Semi-Automatic Rotational Welders

- Weld up to 6.500" Dia. up to 40" OAL
- Weld 6.500" - 7.500" Dia. up to 36" OAL
- Hollow, welded plungers
- 2 pc. Shafts

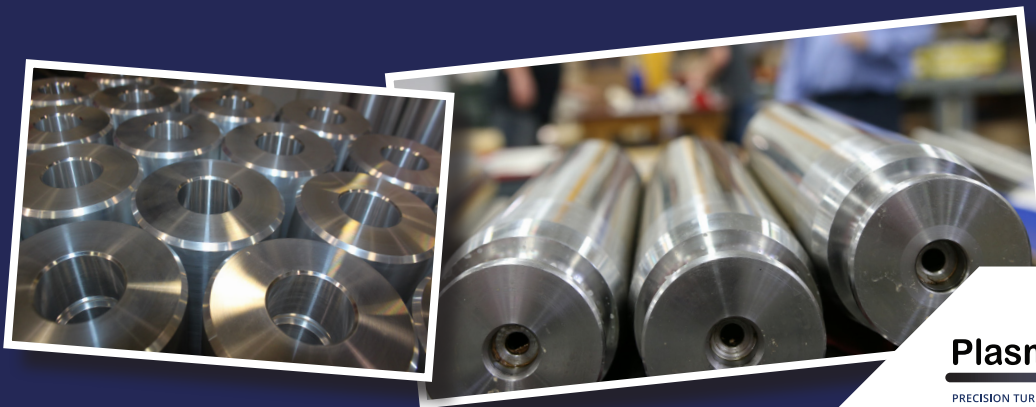
Automatic Thermal Spray Units

- (2) Spray & Fuse stations up to 16" OD & 60" OAL
- (2) HVOF systems 6.500" - 7.500" Dia. up to 60" OAL
- (1) Plasma spray system
- (2) Rokide[™] spray guns



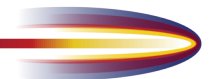
When You Need Parts Precision Machined Plus Thermal Spray Coated, Turn to the Experts

Harder. Stronger. Better Surface Finish. Wear Resistant. Anti-Corrosion. Our coatings take something good, and make it even better. When you need to get the longest life out of your components, turn to a provider that does it right. OEMs rely on Plasma-Tec to supply their engineered wear parts and components. That means we need to machine and thermal spray coat with equal amounts of precision, care and attention. Our quality record (99.4% defect-free parts) speaks to the passion we pour into each and every order. No friction!



Plasma-Tec, Inc.[™]

PRECISION TURNING GRINDING THERMAL SPRAY



Coated Parts - It's What We Do!

Coating Processes

- HVOF
- Thermal Spray (Spray & Fuse)
- Plasma
- Twin-wire Arc
- Rokide[™]

Coatings Applied

- Ceramic Chrome Oxide
- Tungsten Carbide
- Chromium Carbide
- Iron, Nickel, & Cobalt-based Coatings
- Titanium Dioxide
- And many, many more!

Give us a call or shoot us an email to discuss your application.

Coatings applied are designed to enhance the parts by giving them traits they would not otherwise possess. These traits include but aren't limited to:

- Dimensional Restoration
- Chemical Corrosion Resistance
- Adhesive Wear
- Abrasive Wear
- Surface Fatigue Wear
- Erosive Wear
- Atmospheric Corrosion
- Immersion Corrosion

Turned, ground, and coated, all by our quality-obsessed team of experienced craftsmen. When it's ordered through Plasma-Tec it is machined and coated to spec, on-time every time. WE GUARANTEE IT! This is what makes us the raw stock to your dock provider!

Coating Manufacturers

This is a representative list of the many coating manufacturers with whom we work. We can help recommend a coating for your application. Give us a call, we love to help!

- Sulzer Metco
- Praxair/TAFA
- Saint Gobain's Rokide (MBC & C)
- Wall Colmonoy
- Hardfaced Alloys
- Stellite
- Surface Engineering
- Powder Alloy Corporation (PAC)
- H.C. Starck
- Hoganas
- Any many more

Looking to extend the life of your components and not your down time?

Contact one of our HVOF (High Velocity Order Fillers) today to get started!