

Union City, CA

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ANODIZING (MIL-PRF-8625)

- TYPE II SULFURIC ANODIZE
- TYPE III HARD COAT, CLEAR & BLACK

ALUMINUM CONVERSION COATING (MIL-DTL-5541)

- TYPE I HEXAVALENT
- TYPE II TRIVALENT

MECHANICAL PRETREATMENT

- ALUMINUM OXIDE BLASTING
- GLASS BEAD BLASTING

PRECISION MASKING

- PRESERVE DIMENSIONAL TOLERANCE
- ENHANCE CONDUCTIVITY

PRECIOUS METAL PLATING

- GOLD-HARD
- GOLD-SOFT, PURE
- SILVER TYPE I, II AND III
- RHODIUM
- PLATINUM

MATERIAL EXPERTISE

- Fe ALLOYS: Fe, STEEL, CRS, STAINLESS, KOVAR, INCONEL, MONEL, ETC.
- Cu ALLOYS: Cu, OFC Cu, ETP Cu, HEAT TREATED Cu, BRASS, BRONZE, BeCu, TeCu, ETC.
- ALUMINUM
- BRAZED & WELDED ASSEMBLIES
- EXOTICS: Mo, Grade 2 Ti, W, NdFeB, CuW (15/85), CuW (10/90)

STAINLESS STEEL FINISHING

- PASSIVATION
- ELECTROPOLISH

ELECTROLESS NICKEL PLATING

- MID PHOSPHORUS
- HIGH PHOSPHORUS
- BLACK ELECTROLESS NICKEL

ELECTROLYTIC PLATING

- BRIGHT ACID COPPER PLATING
- SULFAMATE NICKEL

VALUE ADDED SERVICES

- TITANIUM ETCHING
- BARREL, RACK AND CUSTOM FIXTURING
- 100% INCOMING INSPECTION
- NON-SPEC CLEANING OF ALUMINUM, FERROUS, NON-FERROUS
- MULTI OPERATION SUPPLY CHAIN MGMT
- PICK UP & DELIVERY IN THE GREATER BAY AREA, CA

ISO 9001 Registered



MARKETS SERVED

The following is a list of current markets we provide services to:



AEROSPACE & DEFENSE



SPACE TECHNOLOGY



AI - ARTIFICIAL INTELLIGENCE



MEDICAL TECHNOLOGY



PRECISION INSTRUMENTATION



SEMICONDUCTOR CAPITAL EQUIPMENT

APPROVED FOR SPECIAL PROCESSES BY TIER 1 SEMICONDUCTOR MANUFACTURERS

We are a trusted service provider to semiconductor capital equipment customers worldwide. Our focus on stringent process controls and proprietary coating application techniques, coupled with our precision masking center of excellence, deliver finishing solutions for the most demanding applications.



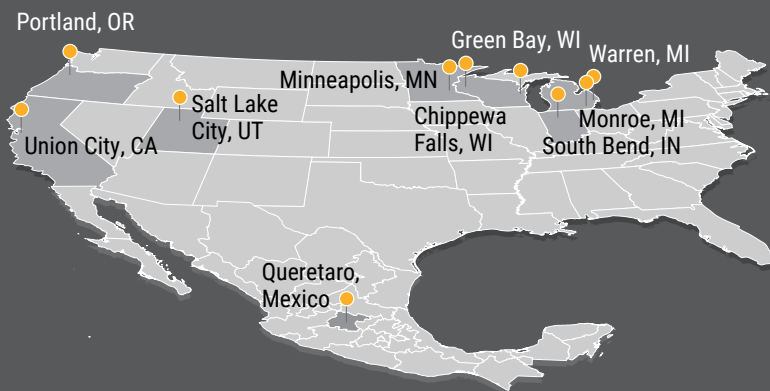
About Pioneer Metal Finishing

Starting in 1945, Pioneer has focused on being a premier metal finisher partner for our customers. We exist to be an extension of our customers' business, providing value-added services that improve the performance of their products. This focus has led us to operate 11 facilities in the United States and Mexico, providing a full spectrum of finishing services.

ISO 9001
Registered



FFL
Licensed



11 NORTH AMERICAN LOCATIONS
4,000 INDUSTRY SPECIFICATIONS
800,000 SQ. FT. OF MANUFACTURING
600,000,000 PARTS PROCESSED ANNUALLY

Request a quote at: rfq@pioneermetal.com



YOUR
SPECS



YOUR
SCHEDULE



YOUR
SECURITY

All Pioneer Processes

Adhesives & Coatings

Dry Film Lubricant
Heat Reflective Coating
Paint
Powder Coating
Rubber to Metal
Adhesive Coating
Zinc Rich Coating

Aluminum Anodize

(MIL-PRF-8625)
Type II Anodize
Type III Hardcoat,
Clear & Dyed
Type IIB Thin Sulfuric
Anodize
Type 1C Boric-Sulfuric
Bright Dip Anodize
FrostKote

Conversions & Pretreatments

Aluminum Conversion
Coating
Aluminum Heat
Treatment
Aluminum Passivation
Electropolishing
Manganese Phosphate
Pickle & Oil
Stainless Steel
Passivation
Iron Phosphate
Zinc Phosphate

Value Added Services

Dye Penetrant Inspection
Non-Destructive Testing
Laser Ablation Masking
Direct to Part Ink
Screen and Pad Printing
Laser Engraving
Titanium Etching
Non-Spec Cleaning of
Aluminum, Ferrous &
Non-Ferrous alloys

Plating

Electroless Nickel
Black Electroless Nickel
Nickel Sulfamate
Bright Acid Copper
Hard Chrome

Precious Metals Plating

Gold-Hard
Gold-Soft, Pure
Silver Type I, II and III
Rhodium
Platinum

Proprietary Finishing Services

ARP Acid Etch
CastGuard™
EnduraGuard™
FrostKote™
Medi-Black®
NiCoTef™
NorGuard™
NorKote™
NorLast™
NorLube™
Optical Black®
Steri-Safe™
Vortex Anodizing

Mechanical Finishing

Media Blasting
Bead Blasting
Graining
Parts Washing
Tumbling

Pioneer Technologies & Laboratory Services

Salt Spray Testing
Wear Resistance Testing
Cross-Section Analysis
Micro Hardness Testing
Surface Ra Evaluation
Coefficient of Friction



www.pioneermetal.com

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