

# Monroe, MI

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## ALUMINUM ANODIZING

TYPE II SULFURIC ANODIZE  
TYPE III HARDCOAT ANODIZE

## ANODIZING SEAL & POST-TREATMENT

NICKEL FLOURIDE  
BLACK DYE

## SPECIALIZED APPLICATION ANODIZING

HARDLUBE  
ANOLUBE

## FACILITY FEATURES

AUTOMATED CRANES  
COMPUTER-CONTROLLED PROCESS TANKS  
COUNTER RINSE TANKS TO IMPROVE QUALITY AND REDUCE WATER CONSUMPTION  
ROBUST SUPPORTING EQUIPMENT

## ALUMINUM CONVERSION COATING

NCH NON-CHROME CONVERSION COATING / ALODINE  
TYPE II TRIVALENT CONVERSION COATING / PASSIVATION FOR ALUMINUM

## CASTGUARD™

DIE CAST FINISH  
2,000 HRS SALT SPRAY

## MARKETS SERVED

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



AUTOMOTIVE



AEROSPACE & DEFENSE



FIREARMS



FLUID POWER



INDUSTRIAL TECHNOLOGY



MEDICAL



POWER GENERATION

## CERTIFICATIONS

ISO 9001  
Registered

FFL Accredited

## AUTOMATED, HIGH VELOCITY METAL FINISHING

Our state-of-the-art fully automated facility in Monroe opened in 1997, and completed its latest addition in 2023. From the start, our facility was built to handle precision high volume hardcoat, anodize, and conversion coating programs, along with cut-to-length fabricated extrusions and aluminum castings. Our process line includes automated cranes, computer-controlled process tanks, redundant counter rinse tanks, and robust support equipment, all designed around quality, repeatability, and consistent delivery to our customers. Our teams ensure your requirements are met to deliver on your most demanding launch schedules successfully.



YOUR  
SPECS



YOUR  
SCHEDULE



YOUR  
SECURITY

**Pioneer**  
METAL FINISHING

# 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



U.S. Immigration  
and Customs  
Enforcement



FFL Accredited



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

## All Pioneer Processes

### Adhesives & Coatings

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

### Aluminum Anodize

Type II Anodize  
Type III Hardcoat  
Type III with PTFE

### Conversions & Pretreatments

Aluminum Conversion Coating  
Aluminum Heat Treatment  
Manganese Phosphate  
Zinc Phosphate  
Pickle & Oil  
NDT: Non-Destructive Testing

### Finishing

Blasting  
Parts Washing  
Electropolishing  
Aluminum Passivation  
Stainless Steel Passivation

### Plating

Black Nickel  
Copper  
Electroless Nickel  
Electrolytic Nickel  
Functional Hard Chrome  
Gold  
Nickel Sulfamate  
Silver  
Tin  
Zinc

### Proprietary Finishing Services

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

Request a quote at: [rfq@pioneermetal.com](mailto:rfq@pioneermetal.com)



**YOUR  
SPECS**



**YOUR  
SCHEDULE**



**YOUR  
SECURITY**



[www.pioneermetal.com](http://www.pioneermetal.com)

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