



*This certificate is granted and awarded by the authority of the Nadcap Management Council to:*

## ***Hixson Metal Finishing***

*829 Production PL  
Newport Beach, CA 92663  
United States*

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:*

## ***Chemical Processing***

Certificate Number: 3174181849  
Expiration Date: 31 October 2019

Joseph G. Pinto  
Executive Vice President and Chief Operating Officer



## SCOPE OF ACCREDITATION

### Chemical Processing

**Hixson Metal Finishing**  
829 Production PL  
Newport Beach, CA 92663

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://www.eAuditNet.com) - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

### **AC7108 Rev I - Nadcap Audit Criteria for Chemical Processing (to be used on audits on/after 21 January 2018)**

AC7108/01– Painting Dry Film Coatings and Sol Gel as a Preparation for Paint – AC7108/1 must also be selected

AC7108/02 – Etch Inspection – AC7108/2 must also be selected

AC7108/03 – Surface Preparation for Metal Bond – AC7108/3 must also be selected

AC7108/04 – Solution Analysis and Testing – AC7108/4 must also be selected

AC7108/07 – Vacuum Cadmium and Aluminum Ion Vapor Deposition – AC7108/7 must also be selected

AC7108/08 – Anodizing (Not for Metal Bond) – AC7108/8 must also be selected

AC7108/09 – Electroplating and Electroforming – AC7108/9 must also be selected

AC7108/10 – Electroless Plating – AC7108/10 must also be selected

AC7108/11 – Conversion Coating – AC7108/11 must also be selected

AC7108/12 – Acid Cleaning, Descaling, Passivation and Electropolishing – AC7108/12 must also be selected

AC7108/13 – Brush Anodizing and Plating – AC7108/13 must also be selected

AC7108/14 – Stripping of Coatings as a Subcontract Process – AC7108/14 must also be selected

AC7108/15 – Pre–Penetrant Etch – AC7108/15 must also be selected

General Cleaning and Pre–Cleaning

Alkaline Cleaning (If Titanium Alkaline Cleaning is also carried out then please check Chemical Cleaning – Titanium Cleaning – Alkaline” also)

Titanium Cleaning – Alkaline

Other Titanium Cleaning Alkaline

Ovens Used for Thermal Treatments at a Set Point above 250°F

Ovens for Thermal Treatments with a set point at or below 250°F (121°C) or for Miscellaneous Heating Processes, e.g. Part Drying.

Stripping of Coatings as an Internal Rework Process

Inorganic Coatings

Other Stripping

Organic Coatings

**AC7108/1 Rev C - Nadcap Audit Criteria for Painting & Dry Film Coatings (to be used on audits on/after 5 June 2016)**

Dry Film Lubricant Coatings

Painting

Sol Gel

**AC7108/2 Rev F - Nadcap Audit Criteria for Etch Inspection Processes (Anodic Etch, Blue Etch, Anodize, Local, Macrostructure, Nital/Temper)**

Nital/Temper Etch

**AC7108/3 Rev C - Nadcap Audit Criteria for Surface Preparation Prior to Metal Bond (to be used on audits on/after 5 June 2016)**

Adhesive Primer Application

Chromic Acid Anodize

Etching

Grit Blast

Non-Immersion Techniques (Sol Gel, other)

**AC7108/4 Rev C - Nadcap Audit Criteria for Solution Analysis and Testing in Support of Chemical Processing to AC7108 (To Be Used On Audits Conducted On audits on/after 21 January 2018)**

Solution Analysis In Support of AC7108

Testing Performed Internally In Support of the Chemical Process Accreditation

B05 – Salt Spray Testing In Support of AC7108

B06 – Water Immersion / Humidity Testing In Support of AC7108

B07 – Heat Resistance Testing In Support of AC7108

B09 – Taber Wear Testing In Support of AC7108

B10 – Adhesion Testing (Adhesion Tape Testing) In Support of AC7108

B12 – Adhesion Testing (Bend Test) In Support of AC7108

B13 – Coating Weight Testing In Support of AC7108

B14 – Conductivity Testing In Support of AC7108

B16 – Coating Thickness Measurement In Support of AC7108

B17 – Solderability Test In Support of AC7108

B20 – Porosity Testing In Support of AC7108

- B21 – Paint Color and Gloss Testing In Support of AC7108
- B22 – Solvent Resistance Testing In Support of AC7108
- B23 – Other Testing In Support of AC7108

**AC7108/7 Rev B - Nadcap Audit Criteria for Vacuum Cadmium Deposition (to be used on audits on/after 5 June 2016)**

As Coated

- With supplementary chromate treatment
- With supplementary phosphate treatment

Vacuum Cadmium

**AC7108/8 - Nadcap Audit Criteria for Anodizing (Not For Metal Bond) (to be used on audits on/after 5 June 2016)**

Anodize Aluminum, Chromic Acid

Anodize Aluminum, Hard Anodize

Anodize Aluminum, Sulfuric Acid

Anodizing Aluminum, Type 1 Non–Hexavalent Chrome (e.g. Boric/Sulfuric)

Dye

Impregnation

Seal

**AC7108/9 - Nadcap Audit Criteria for Electroplating and Electroforming (to be used on audits on/after 5 June 2016)**

Electroplating

Alloy Plating

Cadmium Plating

Copper Plating

Nickel Plating

Silver Plating

Tin Plating

**AC7108/10 - Nadcap Audit Criteria for Electroless Plating (to be used on audits on/after 5 June 2016)**

Nickel

**AC7108/11 - Nadcap Audit Criteria for Conversion Coating (to be used on audits on/after 5 June 2016)**

Aluminum

Aluminum, Non–Hexavalent Chrome Alternatives

Magnesium

Steel

Titanium

**AC7108/12 - Nadcap Audit Criteria for Acid Cleaning, Descaling, Passivation and Electropolishing (to be used on audits on/after 5 June 2016)**

Acid Cleaning (If Titanium Acid Cleaning is also carried out then please check “Chemical Cleaning – Titanium Cleaning – Acid” also)

Passivation

**AC7108/13 - Nadcap Audit Criteria for Brush Anodizing and Plating (to be used on audits on/after 5 June 2016)**

Brush Plating

**AC7108/14 - Nadcap Audit Criteria for Stripping of Coatings as a Sub-Contract Process (Only select AC7108/14 if stripping is done as an overhaul process or as a sub-contract process. It is not required for internal rework.)**

**AC7108/15 - Nadcap Audit Criteria for Pre-Penetrant Etch (to be used on audits before 14 October 2018)**

Immersion Pre penetrant Etch

Local (Swab) Pre–Penetrant Etch