

## SCOPE OF ACCREDITATION

### Chemical Processing

**Metal Surfaces International LLC**  
6060 Shull St  
Bell Gardens, CA 90201

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:

### AC7000 - AUDIT CRITERIA FOR NADCAP ACCREDITATION

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

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

AC7108/09 – 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 – Standalone Cleaning, Descaling, Passivation and Electropolishing – AC7108/12 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)

Emulsion Cleaning

Semi-Aqueous Cleaning

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

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

Etching

**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

B03 – Metallographic Preparation In Support of AC7108

B05 – Salt Spray Testing In Support of AC7108

B07 – Heat Resistance Testing In Support of AC7108

B11 – Adhesion Testing (Scratch and Chisel Test) In Support of AC7108

B12 – Adhesion Testing (Bend Test) 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

B18 – Adhesion Testing (Heat & Quench) In Support of AC7108

B20 – Porosity Testing In Support of AC7108

B23 – Other Testing In Support of AC7108

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

Electroplating

Alloy Plating

Cadmium Plating

Chromium Plating

Copper Plating

Gold Plating

Lead Plating

Nickel Plating

Rhodium 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

Titanium

**AC7108/12 Rev A - Nadcap Audit Criteria for Standalone Cleaning, Descaling, Passivation and**

**Electropolishing (to be used on audits on/after 12 July 2020)**

Passivation