



## SCOPE OF ACCREDITATION

### Heat Treating

#### Metallurgical Processing Inc.

68 Arthur St  
New Britain, CT 06050

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:

#### **AC7101/3 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Mechanical Testing (to be used on audits on/after 4 December 2016)**

(A) Room Temperature Tensile – Check any applicable boxes

#### **AC7101/4 Rev F - Nadcap Audit Criteria for Materials Testing Laboratories - Metallography and Microindentation Hardness (to be used on audits on/after 14 August 2016)**

(L0) Metallography Evaluation

Industry Spec – Other L0

(L1) Microindentation (Interior)

(L10) Near Surface Examinations – Carburization/Decarburization

(L5) Near Surface Examinations – Microindentation (Surface Case Depth)

Industry Spec – Other L5

(L5X) Near Surface Examinations – Microindentation (Surface) (Chord Method ARP1820)

(L6) Near Surface Examinations – Nitriding

(L7) Near Surface Examinations – IGA, IGO

(L8) Near Surface Examinations – Alpha Case: Wrought Titanium

#### **AC7102 Rev I - Nadcap Audit Criteria for Heat Treating (AC7102/S and AC7102/8 must also be selected) (to be used on audits before 3 December 2017)**

Aluminum Alloys – AC7102/2 must also be selected

Beryllium Copper – Industry Specs – Check any applicable boxes

Industry Spec – Other

Beryllium/Copper – Customer Specs

Brazing – AC7102/1 must also be selected

Carburizing – AC7102/3 must also be selected

Magnesium Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

Nickel and Cobalt Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

Nickel and Cobalt Alloys – Customer Specs

Nitriding – AC7102/4 must also be selected

Stainless Steels – Customer Specs

Stainless Steels – Industry Specs – Check any applicable boxes

Industry Spec – Other

Stainless Steels, Martensitic – Customer Specs

Stainless Steels, Martensitic – Industry Specs – Check any applicable boxes

Industry Spec – Other

Stainless Steels, Precipitation Hardening – Customer Specs

Stainless Steels, Precipitation Hardening – Industry Specs – Check any applicable boxes

Industry Spec – Other

Steels – Customer Specs

Steels – Industry Specs – Check any applicable boxes

Industry Spec – Other

Titanium Alloys – Customer Specs

Titanium Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

Vacuum Heat Treating – Customer Specs

Vacuum Heat Treating – Industry Specs – Check any applicable boxes

Industry Spec – Other

**AC7102S Rev G - Nadcap Supplemental Audit Criteria for Heat Treating (to be used on audits on/after 16 April, 2017)**

U10 GE Aviation

U11 The Boeing Company

U14 SAFRAN Group

U18 United Technologies Corp. – Hamilton Sundstrand

**AC7102/1 Rev F - Nadcap Audit Criteria for Brazing (to be used on audits on/after 10 July 2016)**

Vacuum Brazing – Customer Specs

Vacuum Brazing – Industry Specs – Check any applicable boxes

Industry Spec – Other

**AC7102/2 Rev C - Nadcap Audit Criteria for Aluminum Heat Treating**

Aluminum Alloys – Customer Specs

Aluminum Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

**AC7102/3 Rev D - Nadcap Audit Criteria for Carburizing (to be used on audits on/after 10 July 2016)**

Carburizing – Customer Specs

Carburizing – Industry Specs – Check any applicable boxes

Industry Spec – Other

**AC7102/4 Rev D - Nadcap Audit Criteria Gas and/or Ion Nitriding (to be used on audits on/after 6 August 2017)**

Ion Nitriding – Customer Specs

Ion Nitriding – Industry Specs – Check any applicable boxes

Industry Spec – Other

**AC7102/5 Rev D - Nadcap Audit Criteria for Hardness and/or Conductivity Testing for Heat Treating (to be used on on/after 3 September 2017)**

Conductivity – Check any applicable boxes

Industry Spec – Other

Hardness – Brinell – Check any applicable boxes

Hardness – Portable – Check any applicable boxes

Hardness – Rockwell – Check any applicable boxes

**AC7102/8 - Nadcap Audit Criteria for Pyrometry**

Pyrometry – Customer Specs

Pyrometry – Industry Specs – Check any applicable boxes

AMS2750