

Merit

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

## ***Spectrum Thermal Processing***

*818 Wellington Avenue  
Cranston, RI 02910  
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:*

## ***Heat Treating***

Certificate Number: 3162187512  
Expiration Date: 31 July 2021  
Accreditation Length: 18 Months

Michael J. Hayward  
Vice President and Chief Operating Officer

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## SCOPE OF ACCREDITATION

### Heat Treating

**Spectrum Thermal Processing**  
818 Wellington Avenue  
Cranston, RI 02910

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:

#### **AC7101/4 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

(L11) Grain Size

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

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

(L6) Near Surface Examinations – Nitriding

(L7) Near Surface Examinations – IGA, IGO

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

Beryllium Copper – Industry Specs – Check any applicable boxes

Beryllium/Copper– Customer Specs

Brazing – AC7102/1 must also be selected

Carburizing – AC7102/3 must also be selected

Copper Alloys – Customer Specs

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

Industry Spec – Other

Nickel and Cobalt Alloys– Customer Specs

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

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  
Stress Relieve – Industry Specs – Check any applicable boxes  
Titanium Alloys – Customer Specs  
Titanium Alloys – Industry Specs – Check any applicable boxes  
Vacuum Heat Treating – Customer Specs  
Vacuum Heat Treating – Industry Specs – Check any applicable boxes

**AC7102S Rev I - Nadcap Supplemental Audit Criteria for Heat Treating (to be used on audits on after 7 April 2019)**

U11 The Boeing Company  
U18 United Technologies Corp. – Hamilton Sundstrand  
U3 Rolls–Royce PLC

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

Atmosphere Brazing – Customer  
Atmosphere Brazing – Industry Specs – Check any applicable boxes  
Industry Spec – Other  
Vacuum Brazing – Customer Specs  
Vacuum Brazing – Industry Specs – Check any applicable boxes  
Industry Spec – Other

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

Carbonitriding – Customer Specs  
Carbonitriding – Industry Specs – Check any applicable boxes  
Industry Spec – Other  
Carburizing – Customer Specs  
Carburizing – Industry Specs – Check any applicable boxes  
Vacuum Carburizing – Customer Specs

**AC7102/4 Rev D - Nadcap Audit Criteria for Heat Treating - Gas, Ion/ Plasma and/or Salt Bath Nitriding (to be used on audits on/after 6 August 2017)**

Nitriding – Customer Specs  
Nitriding – Industry Specs – Check any applicable boxes

**AC7102/5 Rev E - Nadcap Audit Criteria for Heat Treating - Hardness and/or Conductivity Testing (to be used on on/after 5 May 2019)**

Hardness – Rockwell – Check any applicable boxes

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

Pyrometry – Customer Specs

Pyrometry – Industry Specs – Check any applicable boxes

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