

## SCOPE OF ACCREDITATION

### Heat Treating

**Aalberts Surface Technologies Heat Limited**  
Blackhorse Road  
Letchworth Herts, SG6 1HD  
United Kingdom

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 & Microindentation Hardness (to be used on audits on/after 14 August 2016)\*\*\* If the Auditee holds any MTL accreditation, then this checklist must be done as part of an MTL audit**

(L0) Metallography Evaluation

Industry Spec – Other L0

(L1) Microindentation (Interior)

Industry Spec – Other L1

(L10) Near Surface Examinations – Carburization/Decarburization

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

(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 BEFORE 15-Aug-2021)**

Beryllium Copper – Industry Specs – Check any applicable boxes

Industry Spec – Other – Beryllium/Copper

Beryllium/Copper– Customer Specs

Carburizing – AC7102/3 must also be selected

Cast Irons – Customer Specs

Copper Alloys – Customer Specs

Hot Isostatic Pressing (HIP) – AC7102/6 must also be selected

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

Nickel and Cobalt Alloys– Customer Specs

Nitriding – AC7102/4 must also be selected

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

Industry Spec – Other – Stainless Steels, Austenitic

Stainless Steels, Austenitic– Customer Specs

Stainless Steels, Martensitic – Customer Specs

Stainless Steels, Martensitic – Industry Specs – Check any applicable boxes  
Industry Spec – Other – Stainless Steels, Martensitic  
Stainless Steels, Precipitation Hardening – Customer Specs  
Stainless Steels, Precipitation Hardening – Industry Specs – Check any applicable boxes  
Industry Spec – Other – Stainless Steels, Precipitation Hardening  
Steels – Customer Specs  
Steels – Industry Specs – Check any applicable boxes  
Industry Spec – Other – 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  
Industry Spec – Other – 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 before 31 May 2020)**

U14 SAFRAN Group  
U18 United Technologies Corp. – Hamilton Sundstrand  
U3 Rolls–Royce PLC

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

Carbonitriding – Customer Specs  
Carburizing – Customer Specs  
Carburizing – Industry Specs – Check any applicable boxes

**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)**

Ferritic Nitrocarburizing – Customer Specs  
Ferritic Nitrocarburizing – Industry Specs – Check any applicable boxes  
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 – Brinell – Check any applicable boxes  
Industry Spec – Other  
Hardness – Rockwell – Check any applicable boxes  
Industry Spec – Other  
Hardness – Vickers – Check any applicable boxes

Industry Spec – Other

**AC7102/6 - Nadcap Audit Criteria for Heat Treating for Hot Isostatic pressing (HIP)**

Hot Isostatic Pressing (HIP) – Customer Specs

**AC7102/8 - Nadcap Audit Criteria for Heat Treating Pyrometry (to be used on audits before 15-Aug-2021)**

Pyrometry – Customer Specs

Pyrometry – Industry Specs – Check any applicable boxes

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