



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

## ***Alloyweld Inspection Co. Inc.***

*796 Maple Ln  
Bensenville, IL 60106  
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:*

## ***Aerospace Quality System (AC7004)***

Certificate Number: 3327165213  
Expiration Date: 31 October 2019

*Joseph G. Pinto*  
*Executive Vice President and Chief Operating Officer*



## **SCOPE OF COMPLIANCE**

### **Aerospace Quality Systems**

#### **Alloyweld Inspection Co. Inc.**

796 Maple Ln  
Bensenville, IL 60106

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:

#### **AC7004 Rev E - Nadcap Audit Criteria for Quality Management System**



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## ***NonDestructive Testing***

Certificate Number: 3327178046  
Expiration Date: 30 April 2020

*Joseph G. Pinto*  
*Executive Vice President and Chief Operating Officer*



## **SCOPE OF ACCREDITATION**

### **NonDestructive Testing**

#### **Alloyweld Inspection Co. Inc.**

796 Maple Ln  
Bensenville, IL 60106

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

#### **AC7114 Rev K - Nadcap Audit Criteria for NonDestructive Testing (NDT) Suppliers Accreditation (to be used on audits before 31 December 2017)**

#### **AC7114S Rev L - Nadcap Supplemental Audit Criteria for NonDestructive Testing (NDT) Suppliers Accreditation Program (to be used on audits before 31 December, 2017)**

- S-U1 Honeywell
- S-U11 The Boeing Company
- S-U18 Hamilton Sundstrand
- S-U2 Pratt & Whitney
- S-U21 Eaton
- S-U4 Lockheed Martin
- S-U6 Rolls-Royce Corporation (refer to U3 Supplemental questions)

#### **AC7114/1 Rev J - Nadcap Audit Criteria for NonDestructive Testing Facility Penetrant Survey (to be used on audits before 31 December 2017)**

#### **AC7114/1S Rev K - Nadcap Supplemental Audit Criteria for Penetrant Suppliers Accreditation Program (to be used on audits before 31 December 2017)**

- S-U1 Honeywell
- S-U11 The Boeing Company
- S-U18 Hamilton Sundstrand
- S-U2 Pratt & Whitney
- S-U21 Eaton
- S-U4 Lockheed Martin
- S-U6 Rolls-Royce Corporation (refer to U3 Supplemental questions)

**AC7114/2 Rev J - Nadcap Audit Criteria for NonDestructive Testing Magnetic Particle Survey (to be used on audits before 31 December 2017)**

**AC7114/2S Rev K - Nadcap Supplemental Audit Criteria for NonDestructive Testing Magnetic Particle Survey (to be used before 31 December 2017)**

S-U1 Honeywell  
S-U11 The Boeing Company  
S-U18 Hamilton Sundstrand  
S-U21 Eaton  
S-U4 Lockheed Martin  
S-U6 Rolls-Royce Corporation (refer to U3 Supplemental questions)

**AC7114/3 Rev K - Nadcap Audit Criteria for NonDestructive Testing Facility Ultrasonic Survey (to be used on audits on/after 22 January 2017)**

**AC7114/3S Rev K - Nadcap Supplemental Audit Criteria for NonDestructive Testing Facility Ultrasonic Survey (to be used on audits before 31 December 2017)**

S-U11 The Boeing Company  
S-U18 Hamilton Sundstrand  
S-U4 Lockheed Martin  
S-U6 Rolls-Royce Corporation (refer to U3 Supplemental questions)

**AC7114/4 Rev J - Nadcap Audit Criteria for NonDestructive Testing Facility Film Radiography Survey (to be used on audits before 31 December)**

**AC7114/4S Rev K - Nadcap Supplemental Audit Criteria for NonDestructive Testing Facility Film Radiography Survey (to be used on audits before 31 December 2017)**

S-U1 Honeywell  
S-U18 Hamilton Sundstrand  
S-U6 Rolls-Royce Corporation (refer to U3 Supplemental questions)

**AC7114/6 Rev D - Nadcap Audit Criteria For NonDestructive Testing Facility Digital Radiography, Digital Detector Array (DDA) Survey (to be used on audits on/after 22 January 2017)**

**AC7114/7S Rev A - Nadcap Supplemental Audit Criteria for NonDestructive Testing Facility Ultrasonic Survey – Rotating Components (to be used on audits before 31 December 2017)**

S-U18 Hamilton Sundstrand  
S-U2 Pratt & Whitney

**AC7114/8 Rev C - Nadcap Audit Criteria for NonDestructive Testing Computed Radiology,  
Utilizing Photostimulable Luminescence (PSL)Survey (to be used on audits on/after 22  
January 2017)**



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## *Chemical Processing*

Certificate Number: 3327187786  
Expiration Date: 31 January 2021

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Michael J. Hayward  
Vice President and Chief Operating Officer



## SCOPE OF ACCREDITATION

### Chemical Processing

#### **Alloyweld Inspection Co. Inc.**

796 Maple Ln  
Bensenville, IL 60106

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)**

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

AC7108/04 – Solution Analysis and Testing – AC7108/4 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

AC7108/15 – 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

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.

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

Etching and Etch Inspection

Nital/Temper Etch

#### **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

B06 – Water Immersion / Humidity Testing In Support of AC7108

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

B14 – Conductivity Testing In Support of AC7108

B23 – Other Testing In Support of AC7108

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

Aluminum

**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

Titanium Cleaning – Acid (This process also requires “Chemical Cleaning – Titanium Cleaning – Alkaline” to also be checked unless customer specifications permit otherwise)

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

Immersion Pre-Penetrant Etch

Local (Swab) Pre-Penetrant Etch



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## *Welding*

Certificate Number: 3327186158  
Expiration Date: 31 October 2020

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Michael J. Hayward  
Vice President and Chief Operating Officer



## SCOPE OF ACCREDITATION

### Welding

**Alloyweld Inspection Co. Inc.**  
796 Maple Ln  
Bensenville, IL 60106

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

**AC7110 Rev F - Nadcap Audit Criteria for Welding/ Torch and Induction Brazing and Additive Manufacturing (This is required for all Welding / Torch and Induction Brazing and Additive Manufacturing audits) (to be used on audits on/after 30 April 2017)**

**AC7110/1 Rev H - Nadcap Audit Criteria for Brazing (Torch/Induction) (to be used on audits on/after 7 August 2016)**

Baseline (All audits)

Supplement A – Torch (Additional requirements)

Supplement E – GTA Tack Welding (Additional requirements)

Supplement F – Stress Relieve (Additional requirements)

Supplement G – Processes using gas (Additional requirements)

Supplement H – Processes using Flux – (Additional requirements)

**AC7110/5 Rev I - Nadcap Audit Criteria for Fusion Welding (to be used on audits on/after 6 Jan 2019)**

Baseline (All audits)

Supplement D – Titanium (Additional requirements)

Supplement E – Casting Repair (Additional Requirements)

Supplement F – Filler Materials (Additional requirements)

Supplement G – Processes using Gas (For example GTAW, PAW) (Additional requirements)

Supplement H – Pre/Interpass Heat Treatment (Additional requirements)

Supplement I – Stress Relieve (Additional requirements)

Supplement J – Tack Welding (Additional requirements)

Supplement K – Metallographic Evaluation of Qualification Welds (Additional requirements)

**AC7110/5S Rev E - Nadcap Supplemental Audit Criteria for Fusion Welding (to be used audits before 5 May 2019)**

U1 Honeywell

**AC7110/12 Rev F - Nadcap Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6)**

Baseline (All audits)

Supplement A – Metallographic Evaluation of Qualification Welds (Additional requirements)

**AC7110/12S Rev H - Nadcap Supplemental Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6) (to be used on audits on/after 4 September, 2016)**

U1 Honeywell



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

## ***Alloyweld Inspection Co Inc***

**840 CHURCH ROAD  
Elgin, IL 60106  
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:*

## ***Aerospace Quality System (AC7004)***

Certificate Number: 16712182751  
Expiration Date: 31 October 2020

Joseph G. Pinto  
Executive Vice President and Chief Operating Officer



## **SCOPE OF COMPLIANCE**

### **Aerospace Quality Systems**

**Alloyweld Inspection Co Inc**  
840 CHURCH ROAD  
Elgin, IL 60106

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

**AC7004 Rev E - Nadcap Audit Criteria for Quality Management System (to be used on audits before 31 December 2017)**



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

## *Alloyweld Inspection Co Inc*

*840 CHURCH ROAD  
Elgin, IL 60106  
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:*

## *Welding*

Certificate Number: 16712186157  
Expiration Date: 31 October 2020

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Michael J. Hayward  
Vice President and Chief Operating Officer



## SCOPE OF ACCREDITATION

### Welding

**Alloyweld Inspection Co Inc**  
840 CHURCH ROAD  
Elgin, IL 60106

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

**AC7110 Rev F - Nadcap Audit Criteria for Welding/ Torch and Induction Brazing and Additive Manufacturing (This is required for all Welding / Torch and Induction Brazing and Additive Manufacturing audits) (to be used on audits on/after 30 April 2017)**

**AC7110/1 Rev H - Nadcap Audit Criteria for Brazing (Torch/Induction) (to be used on audits on/after 7 August 2016)**

Baseline (All audits)

Supplement A – Torch (Additional requirements)

Supplement E – GTA Tack Welding (Additional requirements)

Supplement F – Stress Relieve (Additional requirements)

Supplement G – Processes using gas (Additional requirements)

Supplement H – Processes using Flux – (Additional requirements)

**AC7110/5 Rev I - Nadcap Audit Criteria for Fusion Welding (to be used on audits on/after 6 Jan 2019)**

Baseline (All audits)

Supplement D – Titanium (Additional requirements)

Supplement E – Casting Repair (Additional Requirements)

Supplement F – Filler Materials (Additional requirements)

Supplement G – Processes using Gas (For example GTAW, PAW) (Additional requirements)

Supplement H – Pre/Interpass Heat Treatment (Additional requirements)

Supplement I – Stress Relieve (Additional requirements)

Supplement J – Tack Welding (Additional requirements)

Supplement K – Metallographic Evaluation of Qualification Welds (Additional requirements)



**AC7110/5S Rev E - Nadcap Supplemental Audit Criteria for Fusion Welding (to be used audits before 5 May 2019)**

U1 Honeywell

**AC7110/12 Rev F - Nadcap Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6)**

Baseline (All audits)

Supplement A – Metallographic Evaluation of Qualification Welds (Additional requirements)

**AC7110/12S Rev H - Nadcap Supplemental Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6) (to be used on audits on/after 4 September, 2016)**

U1 Honeywell