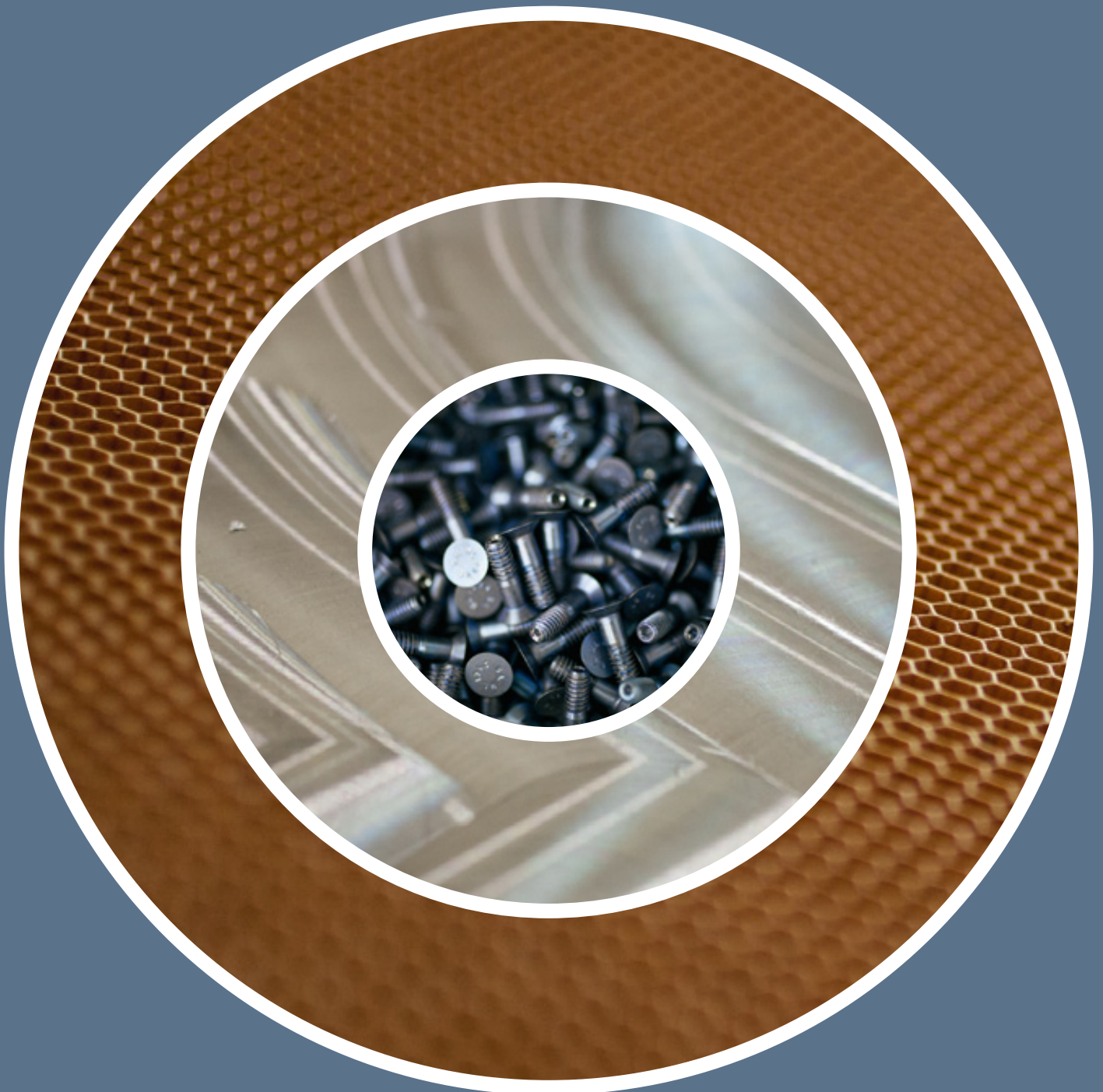

CERTIFICATED PROCESSES

LAST UPDATE - MARCH 2017





CERTIFICATED PROCESSES

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AIRBUS GROUP

pag

18.

EMBRAER

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24.

BOMBARDIER

SOFITEC

certificated processes in NADCAP

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

SOFITEC AERO S.L.

Parque Industrial-Logístico de Carmona, Parcela L-B Nave 1
Carmona, 41410
Spain

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Chemical Processing

Certificate Number: 12494174628
Expiration Date: 30 April 2018

Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



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

SOFITEC AERO S.L.

Parque Industrial-Logístico de Carmona, Parcela L-B Nave 1
Carmona, 41410
Spain

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in 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: 12494173436
Expiration Date: 31 January 2018

Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



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

SOFITEC AERO S.L.

*Parque Industrial-Logístico de Carmona, Parcela L-B Nave 1
Carmona, 41410
Spain*

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Composites

Certificate Number: 12494175467
Expiration Date: 30 April 2018

Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



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

SOFITEC AERO S.L.

*Parque Industrial-Logístico de Carmona, Parcela L-B Nave 1
Carmona, 41410
Spain*

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

NonDestructive Testing

Certificate Number: 12494176622
Expiration Date: 31 January 2020

Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

SOFITEC

certificated processes in NADCAP

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

SOFITEC AERO S.L

Parque Tecnológico Aeroespacial de Andalucía AERÓPOLIS. C/ Juan Olivert 38
Sevilla, 41309
Spain

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Chemical Processing

Certificate Number: 9919168586
Expiration Date: 31 January 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



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

SOFITEC AERO S.L.

Parque Tecnológico Aeroespacial de Andalucía AERÓPOLIS. C/ Juan Olivert 38
Sevilla, 41309
Spain

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in 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: 9904173437
Expiration Date: 31 January 2018

Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



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

SOFITEC AERO S.L.

*Parque Tecnológico Aeroespacial de Andalucía AERÓPOLIS. C/ Juan Olivert 38
Sevilla, 41309
Spain*

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

NonDestructive Testing

Certificate Number: 9904176621
Expiration Date: 31 January 2020

A handwritten signature in black ink, appearing to read "Joseph G. Pinto".

Joseph G. Pinto
Executive Vice President and Chief Operating Officer

SOFITEC

suppliers special approvals

pag 8





P.O. Box 780008 / Wichita, KS 67278-0008 / www.spiritaero.com

DATE: September 15, 2016
MEMO: 3012Q - 4A41-eel-16-30001

SOFITEC COMPOSITES SL
HIDROAVION NC 4 NO 9
PARQUE EMPRESARIAL AEROPOLIS
LA RINCONADA, . 41309
SPAIN

Attention: Javier Fernandez - Quality Manager
Subject: Spirit AeroSystems, Inc. - Inspection Delegation Authority

In recognition of your company's performance improvement, we are pleased to inform you that you have been approved to participate in the Delegation Program. Delegation authority will allow direct shipment of products to any Wichita, Tulsa, McAlester, Kinston or St. Nazaire facility without the requirements of source inspection and takes effect immediately.

Exceptions to direct ship authority: (noted on the Contract/Purchase Orders)

- FAA conformity items
- Source inspection required FAI items
- First time FAI shipment provide copies of your completed AS9102 forms and supporting documentation with the shipment
- Direct Ship to Customer

Evidence of the Delegation authority will be noted by your final acceptance stamp/signature on the packing sheet or on certificate of compliance.

Shipping Documentation shall contain:

- A packing Sheet with evidence of product final acceptance and/or
- Certification of Compliance (may be included as part of packing sheet)
- Include QN/rejection tag number(s), as applicable.

Spirit AeroSystems, Inc. will perform monthly performance reviews as well as periodic maintenance verifications audits at your facility to ensure continued compliance to contractual requirements when deemed necessary. The Delegation Authority remains in affect as long as you consistently supply high quality products, manufactured in a strong quality control system focused on continual quality improvement. For any questions or comments, contact your Spirit AeroSystems, Inc. Procurement Quality Assurance Representative.

Regards


Charles C. Montgomery
Sr. Manager, Supplier Quality
Spirit AeroSystems, Inc.


Donald A. Harris
Procurement Director
Spirit AeroSystems, Inc.

SOFITEC

European Quality Assurance Spain

pag 10



ERA
European Quality Assurance

European Quality Assurance Spain

Anexo al Certificado/ Appendix Nº 8246-E (EN 9100:2009)

SOFITEC AERO, S.L.

Sites/ Dirección

Central Office/Controlling Address:
Parque Industrial-Logístico de Carmona
Parcela L-B Nave 1
41410 Carmona (Sevilla)

Site 2:
C/ Juan Olivert, nº 38
Parque Empresarial Aeronáutico Aerópolis
41309 La Rinconada (Sevilla)

Actividad/ Actividad

Montaje de conjuntos y subconjuntos. Equipado de elementales. Tratamientos térmicos de aleaciones de aluminio. Fabricación de estructuras con materiales compuestos en fibra de carbono y composites. Encolado metálico estructural. ENDs asociados (inspección por ultrasonidos y ensayos de estanqueidad). Recorte de composites. Pintura de piezas metálicas y composites (laminados y sandwich) para la industria aeronáutica. Grapado de cables de mando. Mantenimiento mecánico, revisiones periódicas, verificación, reparación y traslado de útiles aeronáuticos.

Assembling of sets and subsets. Standard pieces equipment. Thermal treating of aluminum alloys. Manufacturing of structures with composite materials in carbon fiber and composites. Structural metal bonding. Associated NDT's (ultrasonic inspection and leakage testing). Milling of composite pieces. Painting of metallic and composite pieces (laminated and sandwich) for the aeronautical industry. Striping of control cables. Mechanical maintenance, periodic reviews, checking, repair and transfer of aeronautical tools.

Fabricación de utillaje, mecanizado y fabricación de piezas elementales metálicas. ENDs asociados (inspección por líquidos penetrantes). Tratamientos superficiales y pintura para la industria aeronáutica. Dureza y conductividad.

Manufacturing of tools, mechanizing and manufacturing of metallic standard pieces. Associated NDT's (liquid penetrant inspection). Surface treating and painting for the aeronautical industry. Hardness and conductivity.

CERTIFICADO DE CONFORMIDAD

Firmado



Director

European Quality Assurance Spain, S.L. (EQA España) - Camino de la Zarzuela, 15- Bloque 2, 1ª Planta 28023 Madrid
Este certificado tiene validez mientras la Organización se mantenga aprobada por TEDAE y se encuentre en la base de OASIS
This certificate is valid while the Organization is approved by TEDAE and it is included in the OASIS data base.



Anexo al Certificado/ Appendix Nº 8246-E (EN 9100:2009)

SOFITEC AERO, S.L.

Sites/ Dirección
Central Office/Controlling Address:
Parque Industrial-Logístico de Carmona
Parcela L-B Nave 1
41410 Carmona (Sevilla)

Site 2:
C/ Juan Olivert, nº 38
Parque Empresarial Aeronáutico AeroPolis
41309 La Rinconada (Sevilla)

Actividades/ Actividad
Montaje de conjuntos y subconjuntos. Equipado de elementales.
Tratamientos térmicos de aleaciones de aluminio. Fabricación de estructuras con materiales compuestos en fibra de carbono y composites. Encolado metálico estructural. ENDs asociados (inspección por ultrasonidos y ensayos de estanqueidad). Recorte de composites. Pintura de piezas metálicas y composites (laminados y sandwich) para la industria aeronáutica. Grapado de cables de mando. Mantenimiento mecánico, revisiones periódicas, verificación, reparación y traslado de útiles aeronáuticos.

Assembling of sets and subsets. Standard pieces equipment. Thermal treating of aluminum alloys. Manufacturing of structures with composite materials in carbon fiber and composites. Structural metal bonding. Associated NDT's (ultrasonic inspection and leakage testing). Milling of composite pieces. Painting of metallic and composite pieces (laminated and sandwich) for the aeronautical industry. Striping of control cables. Mechanical maintenance, periodic reviews, checking, repair and transfer of aeronautical tools.

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AIRBUS GROUP

certificated processes in METALLIC

pag 12

Heat Treatment of Aluminium Alloys Parts

Tartaric Sulphuric Anodizing

Anodic Thickness Inspection

Passivation of Corrosion Resistant Steel

Chemical Conversion Coatings on Aluminium & Its Alloys

Chromic Acid Anodizing of Aluminium Alloys

Penetrant Testing

Cleaning

Hardness Inspection

Conductivity Inspection

Coating Thickness Inspection

Marking

I + D

ADET

AIPS/
AIPI

AITM/ASTM

I+D-P-220

04-01-001
01-00-000

I+D-P-416

02-01-003

I+D-P-416

AITM6-9004

I+D-P-038

02-05-005

I+D-P-202

02-05-001

I+D-P-213

02-01-001

I+D-E-137

AITM6-1001

I+D-P-147
I+D-P-109
I+D-P-072

09-01-002
09-01-003

ASTM-E18

ASTM-E18

I+D-E-140

AITM6-6004

I+D-E-379

ADET 0071

AITM6-6006

CASA-1083

08-03-003

AIRBUS GROUP

certificated processes in COMPOSITE

pag 14

Visual Inspection

Manufacture of Structural Sandwich Parts with Thermosetting Fiber Reinforced Skins
Manufacture of Composite Structures with Glass Fiber

Manufacture of Monolithic Parts with Thermoset Prepreg Materials

Machining of Fibre Reinforced Plastic (FRP) Components

Manufacturing of Metallic Sandwich Parts - Bonding Process

Thickness measurement of fiber composites by ultrasonic pulso-echo technique

Ultrasonic Pulse-Echo Inspection of Carbon Fibre Plastics

Inspection of Fibre Composites by Ultrasonic Phased Array Technique

Ultrasonic Pulse-Echo Inspection of Areas Around Fastener & Rivet Holes in Composites

Tap Test

Leak Testing in Sandwich Structures

Ultrasonic Through Transmission Inspection of Fibre Plastics

Coating Thickness Inspection

Marking

Visual Inspection of Glass Fibre Composite By Transmitted Light

Application of external paint systems

Repair Schemes to achieve surface status requirements on composite components

Drilling, boring, countersink for carbon composites or carbon composites/metallic stackings

Structural Bonding of Thermoset and Thermoplastic Matrices Composite Parts

Surface Preparation for Thermosetting parts before structural bonding

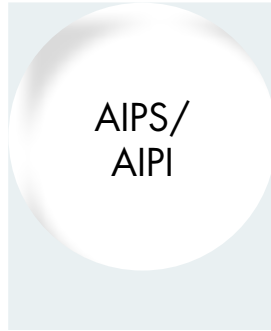
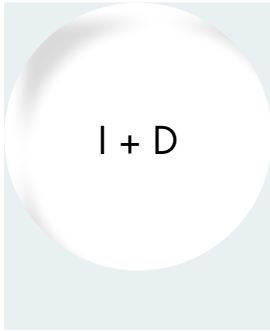
Anti-erosion exterior painting of composite parts

Paint for detail parts in composites materials

Harmonization of surface conditions on painted composite components cabin interior not considered

Non-structural adhesive bonding

Electrical bonding connections resistance measurement



AITM6-3004

I+D-P-052
I+D-P-237
I+D-P-233

03-02-018

I+D-P-052
I+D-P-237
I+D-P-233

03-02-019

I+D-P-387

03-07-002

06-02-005

AITM6-4014

I+D-E-280

AITM6-4005

AITM6-4010

AITM6-4022

I+D-E-294

AITM6-5003

I+D-E-336

AITM6-9003

I+D-E-282

AITM6-4002

I+D-E-379

AITM6-6006

CASA-1083

08-03-003

AITM6-3005

05-02-003

05-04-002

ADET0177

06-02-006

06-01-003

ADET0121

ADET0092

ADET0053

06-02-002

AITM6-9008

AIRBUS GROUP

certificated processes in ASSEMBLY

pag 16

Assembly

General Assembly & Installation of Fasteners

Assembly Applying a Filler Resin

Preparation of Holes in Metallic Materials for Fastening

Preparation of Holes in Fiber Reinforced Plastic (FRP) and Hybrid Materials

Bonding Metal/Metal Parts Structural Bonding Process

Installation of Inserts in Non-Metallics

Installation of Solid Rivets

Installation of Blind Bolts & Blind Rivets "pull type"

Installation of Blind Bolts "threaded type"

Installation of Parallel Shank Threaded Fasteners

Electrical Bonding

Torque tightening of screws, bolts and nuts

Bolt Torque Tightening

Surface Protection of Fasteners & Sealants by Application of Varnish

Surface Protection of Fastener

Wet Installation of Fasteners

Preservation of Cut Edges of Carbon Fibre Composite Parts to Prevent Galvanic Corrosion on Attached Metal Parts

Rework of Structures Manufactured from Composite Materials (Laminates & Sandwich)

Sealants Application

Structural Paints

I + D

ADET

AIPS/
APII

AITM/ASTM

I+D-P-364
I+D-P-322
I+D-P-117
I+D-L-113
I+D-P-366

01-02-017

01-02-017

ADET 0095

ADET 007

01-02-003

01-02-005

06-02-007

01-03-003

01-01-004

01-02-013

01-02-015

01-02-022

I+D-P-355

07-01-006

01-02-008

01-02-008

I+D-P-355

05-05-003

I+D-P-355

05-05-003

05-05-004

05-05-009

I+D-P-412

03-08-003

I+D-P-146
I+D-P-393
I+D-P-062

ADET 0082

05-05-001

I+D-P-060
I+D-P-064
I+D-P-358

ADET 0071

05-02-009

EMBRAER

certificated processes in METALLIC

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Aluminum parts - Forming & Straightening

Aluminum & Its Alloys - Artificial Aging

Steel Parts - Forming & Straightening

Heat Treatment of Aluminium Alloys Parts

Equipment for Thermal Processing - Temperature Control & Classification

Passivation of Corrosion Resistant Steel

Corrosion Resistant Finish for Integral

Chemical Conversion Coatings on Aluminium & Its Alloys

Chromic Acid Anodizing of Aluminium Alloys

High Solids Polyurethane & Metallic (MICA) Enamel (MEP 10-069) -
Application Requirements

Nonchromated Epoxy Primer (MEP 10-070) - Application Requirements

Penetrant Testing

Cleaning

NE

03-076

40-003

40-213

40-002

40-077

40-081

40-135

40-006

40-030

40-160

40-163

07-001

40-012

EMBRAER

certificated processes in COMPOSITE

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Manufacture of Structural Sandwich Parts with Thermosetting Fiber Reinforced Skins
Manufacture of Composite Structures with Glass Fiber

Composite Materials - Requirements of Parts

Laminate with Honeycomb. Direct Curing at 177°C (350°F) - Autoclave Process
Requirements & Manufacturing Procedures

Solid Laminate Preimpregnated with Epoxy Resin. Curing at 177°C (350°F)
Autoclave Process - Requirements & Manufacturing Procedures

Glass Fiber, Carbon, Kevlar & Hybrid Laminates
Drilling, Countersinking, Cutting & Riveting – Requirements & Procedures

Manufacture of Monolithic Parts with Thermoset Prepreg Materials

Machining of Fibre Reinforced Plastic (FRP) Components

Ultrasonic Inspection of Carbon Fibre Composites

Ultrasonic Pulse-Echo Inspection of Carbon Fibre Plastics

Inspection of Fibre Composites by Ultrasonic Phased Array Technique

Ultrasonic Pulse-Echo Inspection of Areas Around Fastener & Rivet Holes in Composites

Ultrasonic Pulse-Echo Inspection of Glass Fibre Reinforced Plastics

Tap Test

Leak Testing in Sandwich Structures

Ultrasonic Through Transmission Inspection of Fibre Plastics

Repairs in Composite Materials

Nondestructive Inspection of Composite & Bonding Parts

Visual Inspection

First Part Qualification (FPQ) - Procedures & Requirements

NE

40-188

20-032

40-188

40-185

40-273

40-185

40-273

07-011

07-011

07-011

07-011

07-011

07-011

07-011

07-011

20-038

07-011

07-009

40-251

EMBRAER

certificated processes in ASSEMBLY

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Structural Bonding Requirements

Sandwich Panels - Insert Installation, Filling of Voids & Protection of Exposed Core
(Edges Protection)

General Bonding

Sealants Application

Structural Paints

NE

20-010

06-042

40-218

40-134

40-143
40-274

BOMBARDIER

certificated processes in METALLIC

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Machining

BAPS

188-001



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www.sofitec.es

