

Facility Description

NADCAP ACCREDITED FOR CHEMICAL PROCESSING (BONDING SURFACE PREPARATION), METAL BONDING, & COMPOSITES

47,000 SF MANUFACTURING FACILITY

25,000 SF DEDICATED TO METAL BOND & COMPOSITE PROCESSING & FABRICATION

20' PHOSPHORIC ACID ANODIZE LINE

1100 SF CONTROLLED CONTAMINATION ADHESIVE PRIME APPLICATION AREA

2400 SF CONTROLLED CONTAMINATION LAY-UP AREA

16' X 16' ADHESIVE PRIME APPLICATION BOOTH UTILIZING HVLP SPRAY EQUIPMENT

8' x 16' ADHESIVE PRIMER CURING OVEN W/ 350 DEG F CAPABILITY

4' x 8' AUTOCLAVE RATED TO 500 DEG F & 100 PSI, COMPRESSED AIR OR NITROGEN PRESSURIZATION DEPENDENT ON CURE PROFILE

8' x 20' AUTOCLAVE RATED TO 500 DEG F & 100 PSI, COMPRESSED AIR OR NITROGEN PRESSURIZATION DEPENDENT ON CURE PROFILE

12' X 12' FREEZER EQUIPPED WITH TEMPERATURE RECORDER FOR MATERIAL STORAGE

8' X 25' FREEZER EQUIPPED WITH TEMPERATURE RECORDER FOR MATERIAL STORAGE

4' X 8' VAPOR DEGREASER, FULLY PERMITTED

16' X 16' DUSTRON GRINDING BOOTH

600 SF ENVIRONMENTALLY MONITORED AREA FOR ASSEMBLY OPERATIONS

300 SF ENVIRONMENTALLY MONITORED AREA FOR CORE CUTTING

IN-HOUSE MECHANICAL TESTING USING UNITED CALIBRATION SFM-20 TENSILE TEST MACHINE TO INCLUDE TENSILE, LAP SHEAR, BELL PEEL, CLIMBING DRUM PEEL, FLATWISE TENSILE, & BEAM SHEAR.

IN-HOUSE PROGRAMMING & TOOL DESIGN

IN-HOUSE TOOLING AND MACHINING TO 50" X 150" ENVELOPE

IN-HOUSE SHEET METAL FABRICATION INCLUDING PRESS FORMING TO 60" X 120" AND WATERJET CUTTING TO 5' X 10'

DEDICATED ENGINEERING, TOOLING, PRODUCTION, QUALITY, AND PROGRAM MANAGEMENT TEAM WITH OVER 150 YEARS COMBINED METAL BOND AND COMPOSITE EXPERIENCE



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Bell Helicopter BPS Approvals

- **BPS 4382** Bonded Structures; Contoured & Hi-Temp
 - Also includes **BPS'S 4408, 4448, 4449, AND 4520**
- **BPS 4328** Bonded Structures, Flat, Hi-Temp
- **BPS 4339** Machining of Honeycomb Core, Aluminum & Non-Metallic
- **BPS 4352** Surface Preparation of Materials for Adhesive Bonding
 - **SECTION II, METHOD II** – Sulfuric Sodium Dichromate Etch
 - **SECTION II, METHOD IV** – Phosphoric Acid Anodize
 - **SECTION II, METHOD V** – Brush on Acid Treatment
 - **SECTION V, METHOD IV** – Dry Abrasive Blast
 - **SECTION VII, METHOD I** – Dry Abrasive Blast
- **BPS 4366** Bonded Reinforced Fiberglass Structures
- **BPS 4383** Bonding, Low Density Insert Material with Honeycomb Sandwich
- **BPS 4402** Bonding, Machined Parts
- **BPS 4403** Bonding, Adhesive, Epoxy Based
- **BPS 4424** Tap Hammer Inspection
- **BPS 4425** Bonding & Splicing Honeycomb Core & Insert Installation
- **BPS 4437** Bonding Reinforced Fiberglass Structures
- **BPS 4449** Bonded Structures, Flat, Hi-Temp
- **BPS 4453** Inspection, Conductivity of Wrought Aluminum Alloy Sheet, Bar, Plate, Forging & Extrusion for Heat Treat Inspection. Conductivity of 2024 T3, T4, T42 Bare Aluminum Alloy Tubing for Heat Treat
- **BPS 4458** Structural Adhesive Bonding using Intermediate High Performance Supported and Unsupported Adhesive Film
- **BPS 4478** Bonding and Fabrication of Room Temperature Curing Laminated Components
- **BPS 4511** Laminate Composite Structures
- **BPS 4512** Processing Specification for 250 F Degree to 325 F Degree Cure Laminate Composite Structures
- **BPS 4528** Electrical Bonding and Grounding of A/C Structures
- **BPS 4570** Installation of Adhesive Bonded Fasteners on Composite and Metallic Structures

Lockheed Martin Process Approvals

- **200X** **STP 58-211** Phosphoric Acid Anodizing of Aluminum
- **240A** **G700** Epoxy Primer/Polyurethane Top Coat
- **246** **G604** Application of Finish for C130 Hardware
- **818** **PS 0120** Structural Adhesive Bonding of Metal Assemblies
- **820** **STP61-213** Fabrication of Glass Fabric Base, Epoxy Resin, L/P
- **825** **STP60-103** Adhesive Bonding of Honeycomb Assemblies
- **827** **PS 2017** Fabrication of Adhesive Bonded Honeycomb Sandwich

Boeing Process Approvals

- **M542 HP4-137** Phosphoric Acid Anodizing of Aluminum for Structural Adhesive Bonding
- **M702 HP4-100** Adhesive Primer Control (QPL)
- **M707 HP15-96** Bonding – Honeycomb Nonmetallic Core (QPL)
- **M710 HP16-30** Structural Bonding – High Strength – Metals – Nonmetallic (QPL)