

# DUNCAN MANUFACTURING SOLUTIONS

+1 402.475.2611 | www.DuncanAviation.aero | 800.228.4277



## INFORMATION & CAPABILITIES



### DUNCAN AVIATION

Duncan Aviation is the largest privately-owned business jet service provider in the world with complete Maintenance, Repair, and Overhaul service offerings at three US facilities.

### MANUFACTURING SOLUTIONS

Duncan Aviation complements its MRO services with industry-leading manufacturing and engineering solutions including PMA (Parts Manufacturer Approval), DER (Designated Engineering Repairs), and FAB (fabrication) options. Duncan Manufacturing Solutions is AS 9100D and ISO 9001:2015-certified and is working towards NADCAP (National Aerospace and Defense Contractors Accreditation Program) accreditation.

### PARTS FABRICATION

The aviation industry requires the fabrication of complex parts and unique materials cut to demanding specifications. Duncan Aviation has the technological solutions and expertise to solve parts fabrication needs.

### CUSTOMER BENEFITS

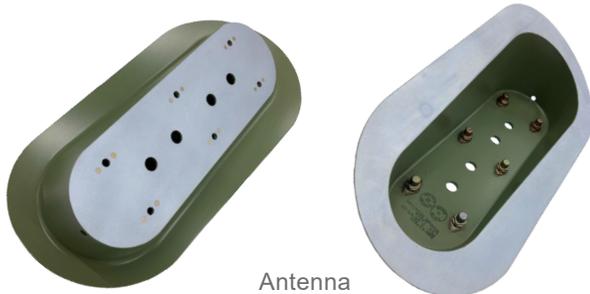
- AS 9100D and ISO 9001:2015-certificate #1116405
- Organization Delegated Authorization #ODA-501013-CE for STC, MRA, and PMA
- Parts Manufacturing Authority #PMA-PQ3429-CE
- FAA repair station #JGVR194F
- Expedited turntimes
- Prototype service capability
- Prototype-to-production capable with customer data
- CAD, CAMWorks, and Solidworks modeling capabilities
- Certification and consulting services

### FACILITY

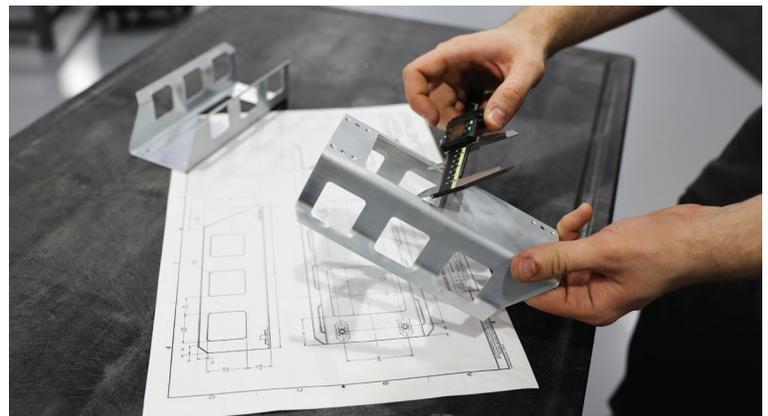
- 21,000-square-foot, climate-controlled facility located at Duncan Aviation headquarters in Lincoln, Nebraska
- 12'x24' paint booth with mixing room



Certificate No:  
1116405



Antenna  
Contour Plate



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### CAPABILITIES

- Fabrication shop/machining
- Composite manufacturing/repair
- In-house quality control/inspection
- Full paint

### FABRICATION & MACHINING TOOLING

- AccurPress 7606 – 60 ton 6' Pressbrake
- Atrump B3FC Tool Room CNC Bed Mill 3 Axis
- Epilog Fusion Pro 48 – Dual Laser Engraver (Co2-Fiber)
- HAAS VF-5SS Vertical Machining Center 3 Axis
- HAAS VF-6 Vertical Machining Center 3 Axis
- HAAS UMC750 Universal Machining Center 5 Axis
- Omax 60120 Waterjet
- HAAS TL-1 CNC Toolroom Lathe
- Delta H SCAHT-161624-2000, Single Chamber Heat Treating Furnace – Full compliance to AMS2750E. 2000 °F
- Delta H DCAHT-241672-1200/500, Dual Chamber Heat Treating Furnace – Full compliance to AMS2750E (Aluminum, PH Stainless, Tool Steel, Titanium, etc.)
- Shaw Rubber Pad Press with 435 tons of vertical pressure
- STRATASYS Fortus 450 MC 3D printer 10"x14"x16" build volume
- Fast Track Tool Control System Inventory

### CURRENT COMPOSITE EQUIPMENT

- ASC EC6X15 Autoclave
- Prepreg composite repair capabilities in positive pressure, climate-controlled cleanroom
- Inspire inspection software
- Rockwell hardness tester and surface roughness finish tester

### IN-HOUSE QUALITY CONTROL/INSPECTIONS

- Olympus Epoch 1000 Phased Array Scanner
- Domino AX350i Part Marking Printer
- Hexagon Absolute 7-Axis Faro Arm Coordinate Measuring Machine (X, Y, & Z Axis Measuring)

### DUNCAN MANUFACTURING CONTACTS:

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