



AIRCORPS AVIATION

2024

CONTRACT MANUFACTURING
SERVICES & SOLUTIONS

ENGINEERING · CNC MACHINING · METAL FORMING
REVERSE ENGINEERING · FINISHES & ASSEMBLY



— ABOUT

AirCorps Aviation

Established in 2008

AirCorps Aviation offers full service support to the aerospace industry through build-to-print, PMA part manufacturing, reverse engineering and a certified FAA Repair Station. Core capabilities include metal forming, CNC machining, and complete aircraft rebuilding. In addition, specialized, in-house services include, engineering/CAD, heat-treating per AMS 2770, welding, painting and inspections.



LOCATIONS

Bemidji, MN - Headquarters, Fabrication, Restoration

Plymouth, MN - Sales, Engineering



PARTNERS

Erik Hokuf - General Manager

Dan Matejcek - VP of Fabrication

Mark Tisler - VP of Restoration

Eric Trueblood - Sr. VP of Sales & Marketing

KEY INDIVIDUALS

Stefan Hokuf - Outside Sales & Customer Service

Dan Matejcek - VP of Fabrication

Robb Detschman - Production Manager & Inside Sales

60+ EMPLOYEES

CORE CAPABILITIES

Contract Manufacturing

AEROSPACE STRUCTURES



CNC Machining Floor

(2) 5 Axis CNC Vertical Mills (5) 3 Axis CNC Vertical Mills, (1) 3 Axis CNC Lathe, (2) 3 Axis CNC Routers



Sheet Metal Forming Floor

Sheet Metal Stretcher Table, 1500 Ton Hydraulic Press, Drop Hammer, CNC Press Brakes, Radial Draw Former



Assemblies

Machining Fixtures, Assembly Fixtures, Inspection Fixtures, Weld Fixtures



Inspections

Clean room w/ CMM, Hand-held 3D laser scanner w/ scan to CAD comparison software, Optical Comparator



— PRECISION MACHINED & FORMED SHEET METAL AEROSTRUCTURES

Core Capabilities



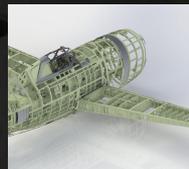
- Metal forming - Hydroforming, Press Brake, Stretch/Shrink, Drop Hammer, Drawforming, Rolling, Complex Form Tool Design
- CNC Milling/Turning - 3, 4 & 5 axis
- Inspection & Quality Assurance System
- Heat Treatment - AMS2770 (in-house)
- Tooling design & fabrication
- Fixture design & fabrication
- Assemblies & completion
- Finishes - Paint (in-house)
- Welding - TIG & aluminum spot welding



Complementary Capabilities



- 3D Scanning for inspections & reverse engineering
- CAD / CAM design & programming. Solidworks, CAMWorks
- Coordinate measuring machine inspections
- Research & Development/ Prototyping
- Large project management
- FAA Certified Repairs
- FAA Parts Manufacturing Approvals (PMA)
- Rare parts sourcing
- In-house engineering services
- First Article Inspection Reporting
- In-house DMIR



ADDITIONAL SERVICES



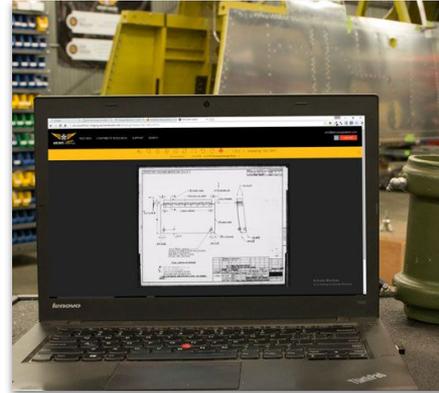
Aircraft Restoration

Experts at legacy and vintage aircraft rebuilding through modern manufacturing processes



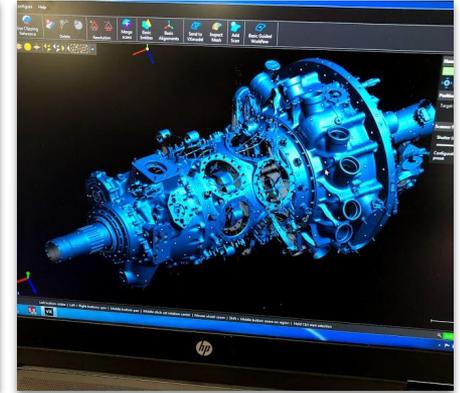
Repair Station

FAA Certified Repair Station for specialized repairs and overhauls



AirCorps Library

Legacy engineering documentation. Digitization, archival, high-res. online access & reference



Laser Scanning

On-site scanning services. Reverse Engineering or Inspections (Scan to CAD)

FACILITIES



FABRICATION FACILITY

1259 Exchange Ave | 19,000 sq. ft.



ASSEMBLIES & MANUFACTURING FACILITY

1180 Adams Ave | 32,000 sq. ft.



AIRCRAFT MAINTENANCE HANGAR

BJI Airport | 6,300 sq. ft.



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AFFILIATIONS



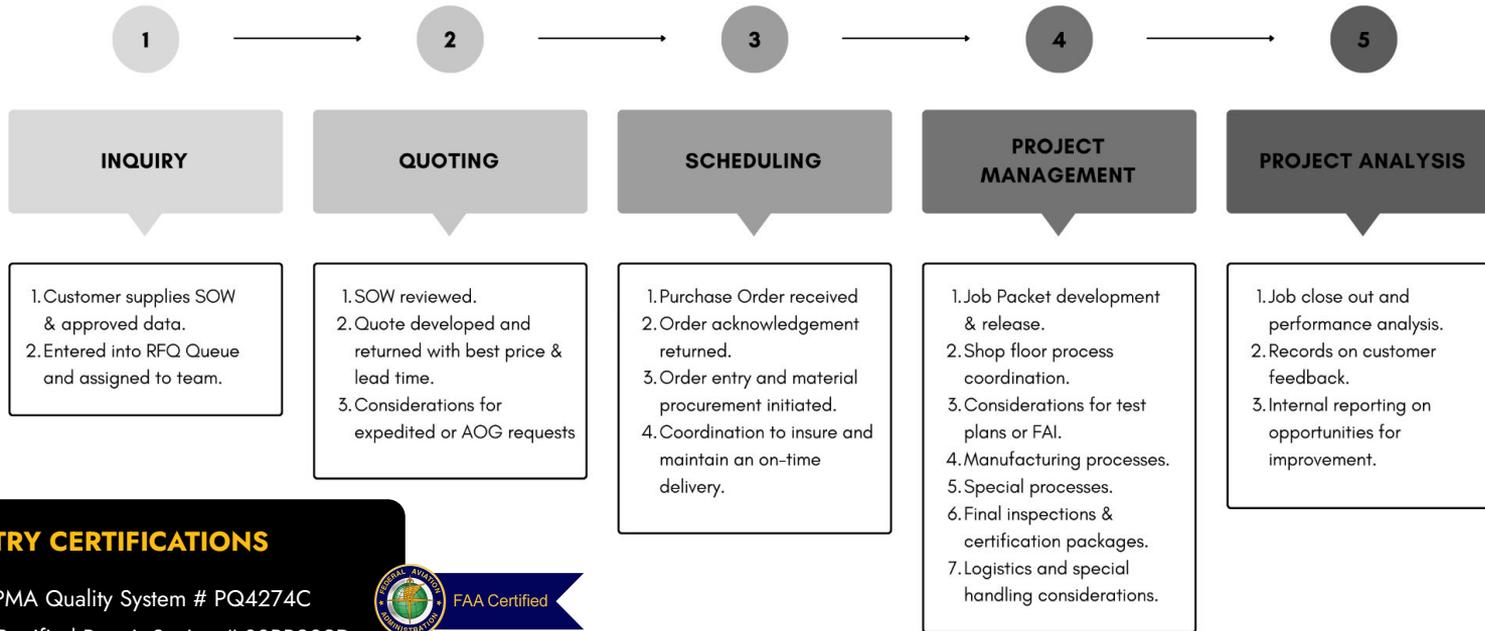
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EXISTING PRIME CUSTOMERS



QUALITY SYSTEMS & DELIVERY PROCESSES

Typical Contract Manufacturing Project Process



INDUSTRY CERTIFICATIONS

- FAA PMA Quality System # PQ4274C
- FAA Certified Repair Station # 80RR202D
- DOD ITAR Certified
- Pending, Q1 2024: ISO 9001 Certification



PM SOFTWARE

·JOBBOSS · UNIPOINT · SOLIDWORKS PDM · FISHBOWL · AIRCORPS BUILDBOOK

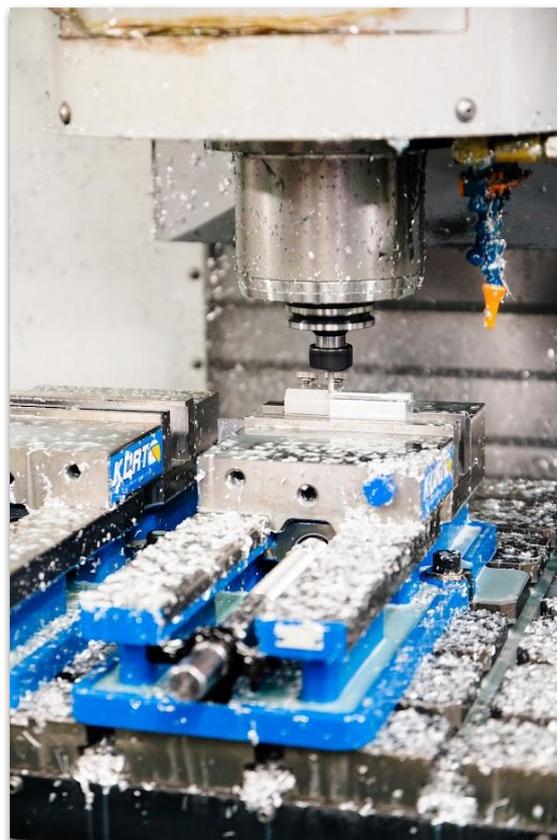
CAPABILITIES IN DETAIL | Manufactured parts



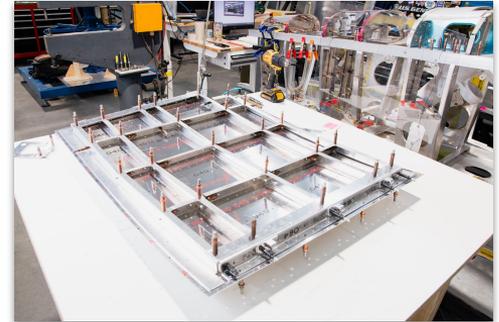
Formed sheet metal



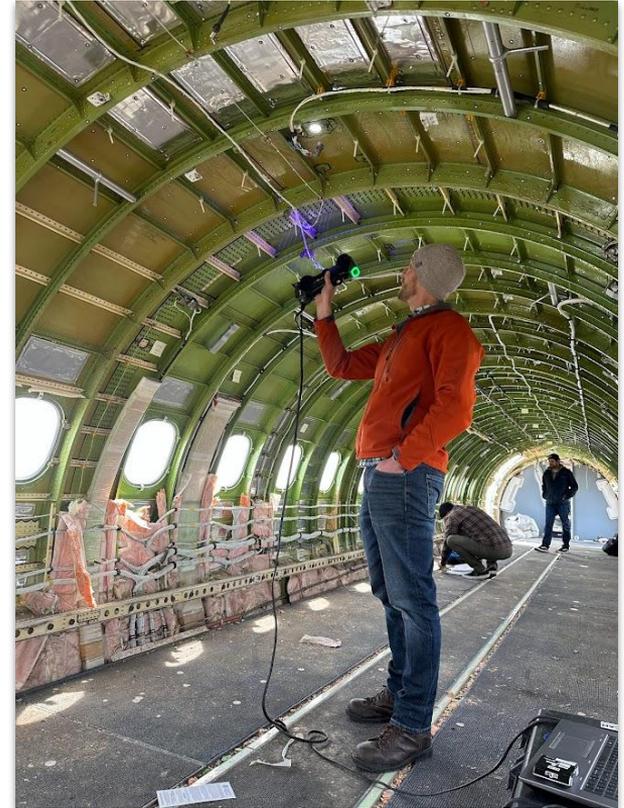
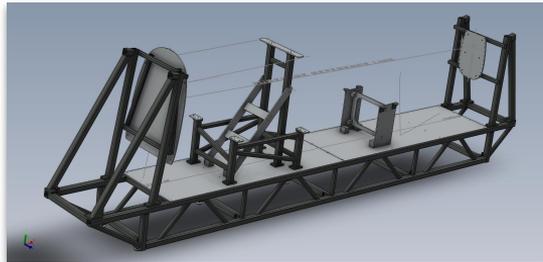
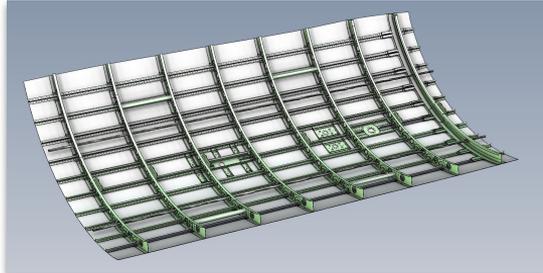
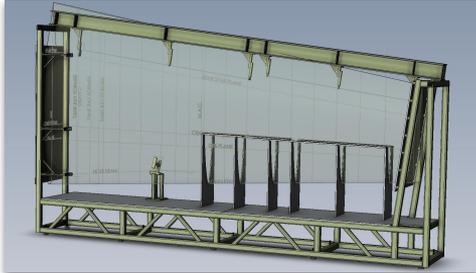
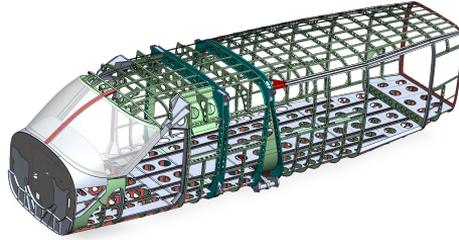
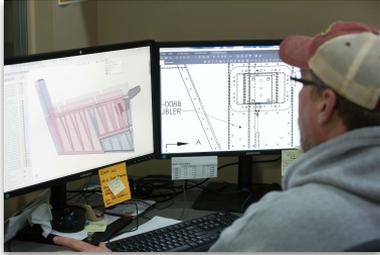
Machining



CAPABILITIES IN DETAIL | Assemblies



CAPABILITIES IN DETAIL | Engineering & Design





"Client relationships are rooted in our knowledge of being both a world class restorer of aircraft, consumer, and by supporting outside customers. Our interactions are relationship driven, long-term, and valued."



AIRCORPS AVIATION



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