

Components Capabilities

KEY FEATURES

Certifications

- FAA (United States)
- EASA (Europe)
- ANAC (Brazil)
- CAAC (China)
- CARC (Jordan)
- DCA (Thailand)
- DGCA (Indonesia)
- Transport Canada
- ISO 14001
- ISO 9001
- AS9110B

Engine Programs

- CFMI:
 - CFM56-2, -3, -5 & -7
- General Electric:
 - CF6-6, CF6-50, CF6-80A, CF6-80C2, CF6-80E1, CF34-3, CF34-8, CF34-10, GE90, GEnx, LM1600, LM2500, LM5000, LM6000, LMS100
- Honeywell:
 - T55, 36-150, 85 series, 131-9 series, TPE331, TFE731, ALF502/207, RE220
- IAE:
 - V2500-A1/A5 & D5
- Pratt & Whitney:
 - PT6A, PW100, PW2000, PW4000 (94", 100", 112")
- Rolls-Royce:
 - RB211, Trent, T56, AE1107, AE2100, M250, RR300, 501K

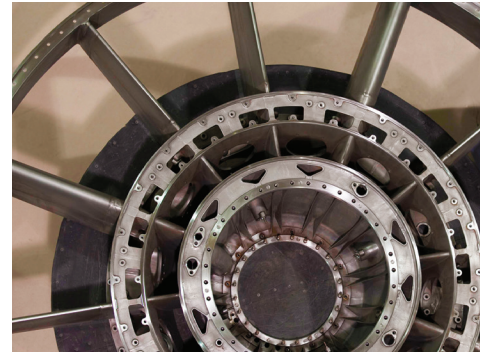
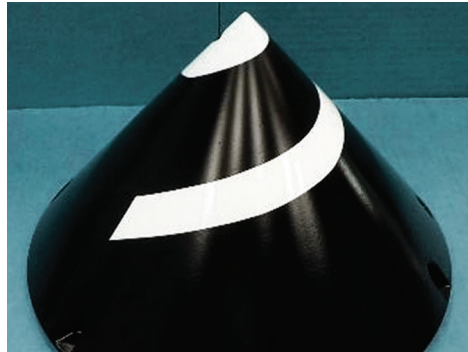
Repair Development

- ESM Repair Industrialization
- OEM Departure Record Repairs
- Source Controlled Repairs
- In-house Tool Design & Fabrication
- Custom Repair Development
- Dedicated RD Cell & Support Staff



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StandardAero Components is dedicated to providing customers with the best possible maintenance and repair services to help them achieve their operating missions. We are committed to making every customer transaction as smooth as possible by providing:

- Excellent customer support
- Reliable on-time delivery
- Industry-leading repair development
- Competitive pricing
- Superior quality

Our Track Record

- Productive partnerships with leading suppliers
- GE and SNECMA Preferred Supplier
- 18-day average turnaround time for major repairs
- Proven new-repair development capabilities – 16,000 unique repairs
- Over 95% on-time delivery
- Over 5,000 part numbers overhauled
- Committed to continuous improvement, Six Sigma and Lean Manufacturing

Key Benefits:

- Experience machining exotic materials
- Expertise in close tolerance work
- Two dedicated component repair facilities in Cincinnati, OH, and Winnipeg, MB Canada
- ~240,000 sq. ft. (22,300 sq. m.) climate-controlled facility (Cincinnati)
- Clean room, offering controlled environment for testing and debugging

Components Capabilities

Composite Capabilities

- Composite laminates
- Cold bonding process
 - Epoxy adhesives
 - Wet lay-up repairs
 - Application of abrasable materials – rubber type and epoxy type
 - Applying coatings – Epoxy, Polyurethane, Sermetel and dry film lubricants
- Autoclave - 10' long x 6' wide
- Climate-controlled bonding and clean rooms

Inspection Equipment:

- Extensive measurement equipment
 - CMM (4) largest 120" X 70" x 59"
 - Jones Comparator with QC control
- Non-Destructive Test Certified - Level III
- FPI, MPI 144" length, X-Ray, Eddy Current
- Pressure Testing
- Metallurgical Lab Facilities
- Air Flow Testing

Special Processes

- Light, Heavy & Multi-step Alkaline Cleaning
- Steam Cleaning
- FPI & MPI
- Radiographic (X-ray)
- Ultrasonic
- Eddy Current (hand-held & robotic)
- Flow Testing
- Coordinate Measuring Machine
- On-Machine Inspecting Using Faro Arms
- Powder, Wire & HVOF Thermal Spraying (four robotic booths)
- Heat resistant enamel paint
- AEP diffusion aluminide
- Conversion coatings (Al and Mg)
- Dry film lubricant
- Metallurgical lab
- Alodine
- Plating (Nickel, Copper, Tin, Silver, Cadmium, Chrome)
- GTAW (all materials, including titanium)
- Dabber welding (knife edge seals)
- Electron beam welding
- Spot resistance welding
- Laser welding & cladding
- Torch brazing
- High temperature furnace brazing
- Inert atmosphere chambers
- Furnace heat treating (local and full)
- Induction heating (braze/heat treat)
- Surface protection, lubricants, bonding agents

- Wet and dry abrasive blasting
- Glass bead blasting
- Plastic media
- Automated and manual shot peening
- High-pressure water jet stripping
- Lathes, mills, VTLs, HBMs, grinders
- Die sink EDM/graphite
- Spark erosion grinding
- Laser/plasma cutting
- Balancing
- Autoclave

Current types of parts Overhauls:

- Acoustical Liners
- Actuation Levers
- Bearing Housings
- Bellcranks
- Blade Retainers & Spacers
- Clips & Retainers (all types)
- Composite Repairs
- Compressor Shrouds
- Cooling Plates
- CRF Assy & Components
- Engine Mounts
- Fan Frame Assy and Components
- Fan Shrouds
- Gearshafts & Gear Adapters
- Hangers
- HPT Shroud Support Assemblies
- Knife Edge Seals (Dabber weld)
- LPT cases
- Oil Tubes
- Power Turbine Components
- Seals (rotating & non-rotating)
- Shafts (Fan, LPT, HPTR, PT)
- Spacers & Covers
- Spanner Nuts
- Spinner Cones
- Thermal Shields
- Turbine Rear Frame Assemblies
- Vent & Air Seals

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