

MACHINING & WELDING

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INFORMATION & CAPABILITIES



WELDING

Services/Specialties

- Certified welders in aerospace application specification AWS D17.1/D17.1M for fusion welding
- AWS D1.2/D1.2M - Structural Welding Code - Aluminum
- On-site AWS Certified Welding Inspector
- Thin-gage sheet/tubing weld repairs
- Support equipment fabrication & component repairs
- Certified gas tungsten arc welding process
- Gas metal arc welding process

Material Capabilities/Class A Welding Certification

- Stainless-39 grades
- Aluminum-19 grades
- Carbon and low alloy steels-28 grades
- Heat Treatable steels, including 4130-8 grades
- Titanium-14 grades
- Cobalt-based alloys-10 grades
- Nickel-based alloys-19 grades

MACHINING/THERMAL SPRAYING

Services/Specialties

- One off machining repairs of components
- Design & fabrication of support equipment and tooling
- Thermal spraying of TFE731 HPT turbine engine blades and stators

In-House Equipment/Capabilities

- Waterjet
- CNC brake
- 4 axis enclosed CNC: 60" x 30" x 20" envelope
- 3-axis tool room/CNC machining: 50" x 25" x 24" envelope
- Aluminum heat treat capabilities: 24" x 24" envelope
- HAAS UMC750 five-axis
- Engraving
- CNC tool room lathe and NC Mills
- Mil Spec Painting
- In-House Learjet Main Landing Gear Trunnion Repair

PROTOTYPE AND DESIGN

Service Capabilities

- Prototype to production
- CAD/Solidworks modeling/AutoCAD drafting
- FAA Repair Station #JGVR194F
- ODA #501013-CE
- PMA #PQ3429-CE

CONTACT

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