

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 (such as HS188)
- Nickel-based alloys-19 grades (such as Hastelloy and Inconel)

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

- 5-axis enclosed CNC machining: 30" X 20" X 20" envelope (and lose the HAAS UMC750 – that is just a specific machine)
- 4-axis enclosed... (typed as is on original)
- 3-axis (lose the tool room) CNC machining: 50" X 25" X 24" envelope
- CNC Tool room Mills and Lathes
- CNC Lathe with Live Tooling 13.75" Swing 9.4" X 32.5" work envelope (this is an addition)
- Laser Engraving (adding the "laser")
- Mil Spec painting
- In-House Learjet Main Landing Gear Trunnion Repair

PROTOTYPE AND DESIGN

Service Capabilities

- Prototype to Production
- CAD/SolidWorks... (typed as is on original)
- Reverse Engineering Specialty Tooling to Production
- FAA Repair Station #JGVR194F
- ODA #501013-CE
- PMA #PQ3429-CE

CONTACT

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