



Capability Statement

Critical Components Aerospace provides strategic machining and component manufacturing to the Aerospace, Defense and Space industries.

Critical Components supports direct to Federal and Prime projects.

What sets Critical Components Apart

- ISO 9001 / AS 9100 Certified Facilities
- AS9102 FAI Production Process Verification
- In House Source Approval (SAR) Production
- Compliance with DFAR / FAR Requirements
- Additive Manufacturing/3D Printing in Various Metals

CORE CAPABILITIES

Our experts and business professionals have years of experience implementing solutions in the areas of:

- Reverse Engineering - Prototyping
- Manufacturing to Extreme Geometric Tolerances
- 3, 4 and 5 Axis CNC Capabilities
- In House Aerospace Engineering Services
- ISO Level 3 Cleanroom

SPECIAL PROCESSES

Inspection: Multiple Keyence CMM Inspection Cells

Welding: AWS D17.1 and PWA 16, GTAW, Pulsed GTAW, SPOT, Laser, Electron Beam

Laser Cladding: Proprietary hard facing process with materials such as Inconel, titanium and carbide

MATERIALS EXPERIENCE

- Titanium – 6Al4V
- Aluminums – 6061, 7050 and 7075
- Nickel Alloys
- Inconel
- Stainless and 300M Steels

CRITICAL COMPONENTS A E R O S P A C E

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Company Information

Women Owned Small Business

JCP Certification: 0081939

ITAR Registered / Federal Firearms Manufacturer

ISO 9001 / AS9100 Certified Manufacturing

NIST 800-171 Compliance

3 Facilities Totaling 40,000 SF

NAICS Codes

332710 - Machine Shops

332722 - Bolt, Nut, Screw, Rivet, Washer Manufacturing

332721 - Precision Turned Product Manufacturing

336411 - Aircraft Manufacturing

336412 - Aircraft Engine Parts Manufacturing

336413 - Other Aircraft Parts Auxiliary Manufacturing

336415 - Guided Missile/Space Propulsion Parts

336419 - Other Guided Missile, Space Parts Aux Equipment

541330 - Mechanical Engineering Services

Government Experience



Defense Logistics
Agency



United States
Air Force



United States
Navy

Platforms Supported

- KC-135 Stratotanker, E6, C-130
- CH-53 – UH-60
- F-16 - F-15 - F-35
- Army Fighting Vehicles
- Naval Vessels
- Spacecraft, Satellites and Tactical Drones