

**METAL**

**SPINNERS**

**INCORPORATED**



*A leader and innovator in the fabrication of turbine engine components*

# Company Background

- Manufacturer of sheet-metal fabrications and assemblies for the aerospace industry.
- Customers include the major turbine engine OEMs.
- 54 years of continued service.
- Over 100 years of combined engineering experience in the aerospace industry.
- Providing unparalleled specialized services. Including forming, spinning, hydro-forming, roll-forming, machining, CNC turning, welding, multi-axis laser cutting and engineering services.

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# Product / Services Detail

- Spinning, Expanding, Hydro-forming, Roll forming, Bending, and general forming.
- Turning, Milling, CNC Turning
- Tig welding and Resistance welding.
- Most tooling is manufactured in house.
- Provide job shop services, design feasibility, and engineering services.
- Focusing on turbine engine components & assemblies.

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# Company Differentiators

- We have a competitive advantage because of our ability to perform almost all operations in house.
- Fabrication, machining, and assembly of high temperature alloys and other difficult to machine/form alloys.
- Secondary operations, i.e. welding, NDT, and laser processing, provide delivery and price advantage over our competitors.
- Employee experience: duration of employment, age, motivated, skilled, & cross trained.
- VSE/ESA approvals

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# Capabilities

- Spinning - up to 60" diameter
- Forming up to 60" diameter
- Expanding
- Hydro-forming
- Roll Forming
- Blanking
- Turning- engine lathes & VTL
- Machining - CNC
- Tig Welding - Manual & Automatic
- Resistance Welding
- Assembly - riveting, welding, & brazing
- Laser cutting – up to 7 axis CO2 & Fiber
- Complex sheet-metal
- Engineering
- Inspection - CMM

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# Certifications

- **ISO9001 & AS9100 Certified**
- **Quality & Calibration:**  
MIL-I-45208, MIL-Q-9858, Allied Signal SPOC 002, GE S-1000C, MIL-STD-120, MIL-C-45662
- **Fusion Welding :**  
MIL-STD-1595, GE P8TF3, M50T1, TEXTRON P6200, NADCAP, Allied Signal WBS5018
- **Resistance Welding :**  
GE P8TF4, M50T1, MIL-W-6858, NADCAP
- **Laser :**  
GE S422, Allied Signal PNCP52525 & P6063, NADCAP
- Sheet metal products are made to thousands of an inch tolerance depending on size, shape, and material type.

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