**GG** Aerostructures

## Alloy Processing

Alloy Processing is recognized throughout the aerospace and defense industry for our quality, ability to process the largest and most complex parts, and comprehensive metal finishing solutions.

Since our founding in 1988, Alloy Processing has remained focused on the principles of quality and workmanship set forth in our mission statement: Alloy Processing is committed to total quality and excellence in workmanship. Every employee is committed to improving the manner in which we accomplish our work assignments and meet our goals through "continuous improvement" of our processes and wise utilization of our valuable resources. We will ensure customer satisfaction with first time quality and superior "world class product".

Quality at Alloy Processing is achieved through superior surface preparation, a CATIA-driven masking system, and an experienced workforce committed to excellence. We achieve a high quality etched surface for structural bonding and paint adhesion using a system of matched chemistries to rinse, clean, and prepare the metal. Our masking system allows us to precisely place reusable masking templates for efficient processing of the most complex parts. Add attention to detail from an experienced workforce and the result is a reliable, quality service.

Steadily increasing customer demand for Alloy Processing's services has allowed us to construct and certify a state-of-the-art facility housing some of the largest aluminum and titanium tanks in North America with NDI, shot peen, and paint facilities to match for reduced cycle times and lower costs on the largest parts.

Please see the reverse side for additional information on the scope of our services and approvals.

Three chemical processing lines for increased capacity and flexibility.

• Two full penetrant inspection lines handling part sizes up to 50 ft x 20 ft x 8 ft.

• High-speed shot peen with simultaneous double-sided compression and forming applications accommodating parts up to 45 ft x 8 ft.



	Cleaning	Anodizing			Painting, Plating, and Coating					Inspection and Other Services				
Processing Site	Passivation	Chromic Acid	Sulfuric/Boric Sulfuric Acid	Tartaric Sulfuric Acid	Paint	Cad/Nickel Plating	Chrome Plating	Zinc-Nickel Plating	Thermal Spray	NDT	Heat Treat	Repair Station	Shot Peen	Grinding/ Superfinishing
Alloy Processing	•	•	•	•	•					•			٠	
Length	18ft / 5.4 m	50 ft / 15 m	50 ft / 15 m	50 ft / 15 m	40 ft / 12 m					50 ft / 15 m		45 ft / 13.5 m		
Width	2.5ft / 0.75m	4 ft / 1.2 m	4 ft / 1.2 m	4 ft / 1.2 m	2.5 ft / .75 m	l				6.6 ft / 2 m			8 ft / 2.4 r	n
Depth	7ft / 2.1m	12 ft / 3.6 m	12 ft / 3.6 m	12 ft / 3.6 m	6 ft / 1.8 m					20 ft / 6 m				

## **ESSENTIAL SERVICES**

- Boric Sulfuric Acid Anodize
- Chem Film/Alodine
- Chromic Acid Anodize
- Cleaning for Al & Ti parts
- **Complex Machined Parts**
- Compression Peening
- Conductivity Inspection
- CRES Passivation
- Dry Blasting
- Fuel Tank Coatings
- Hardness Testing
- Large Titanium and Aluminum Part Processing **Capability and Capacity**
- Lay and Spray

## **CUSTOMER AND QUALITY APPROVALS**

- Airbus
- Boeing
- Boeing Mesa
- Bombardier
- Embraer
- GE Middle River

- Gulfstream
- Hawker Beechcraft
- Israel Aircraft Industries
- Latecoere
- Lockheed Martin
- Northrop Grunman

- **Liquid Penetrant Inspection** Paint ь
- **Part Marking** Þ

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- **Peen Forming** ►
- **Post Anodize Seal:** ь
  - Chromate, Dichromate, Dilute Chromate
- **Primers** Þ
- **Shot Peening** ь
- Sol-Gel
- **Solid Film Lubricant**  $\blacktriangleright$
- **Sulfuric Acid Anodize** Þ
- **Tartaric Sulfuric Acid Anodize**
- **Ti Pickling and Passivation**  $\blacktriangleright$
- Topcoat
  - Spirit Aerosystems
  - United Launch Alliance
  - UTC Aerospace Systems
  - AS9100C
  - ISO9001
  - Nadcap (AS7004, Chemical Processing, NDT)

## For more information, go to alloyprocessing.com or call 310.635.9995

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