

Micro-Abrasive Blasting Solutions for the Aerospace Industry



- Turbine Blades
- Thermocouples
- Load Cells
- Strain Gages
- Actuator Poppets
- Pneumatic Valve Deflectors
- Gyro Components & Lenses
- Ceramic Components
- Electronic Sensors
- Fasteners
- Molds, Dies & Mold Tooling

Manufacture More Reliable Parts

The manufacture of aerospace components requires a high level of quality to ensure reliability and long life. Micro-abrasive blasting provides a safe and effective solution to processing a range of aerospace parts. Improve bond strength on composites, load cells and strain gages by texturing with micro-abrasive blasting. Deburr cross-drilled holes in valve assemblies, radius edges on fasteners, and clean dross and remelt on laser drilled holes more effectively.



Deburring Ports on Manifolds

Micro-abrasive blasting (microblasting) works by propelling a uniform mixture of micron-sized abrasive particles and dry, compressed air out of a small nozzle at high velocity. It is a simple yet highly effective method to clean, cut, deburr or texture a wide variety of parts and surfaces.



Texturing and Cleaning Mold Cavities

Microblasting is an ideal process for applications requiring precision treatment on delicate parts without causing dimensional changes to the part geometry.



Cleaning Laser Drilled Holes in Turbine Blades

Micro-Abrasive Blasting for Aerospace Applications



Thermocouples

Removing MgO to expose contacts on heat sensing harnesses.



Load Cells and Strain Gages

Texturing to improve bond adhesion on sensors, load cells, and strain gages.



Turbine Blades

Cleaning casting material, laser remelt, and coatings from air holes. Removing oxidation and thermal contaminants.



Actuator Poppets and Pneumatic Valve Deflectors

Deburring cross-drilled holes and slots in precision machined parts.



Conformal Coating Removal

Selectively removing conformal coatings from printed circuit boards without damaging delicate components.



Gyro Components and Lenses

Serializing aircraft parts, cleaning gyro components, and engraving lenses.

Micro-abrasive blasting has been used to successfully process:

- Aluminum
- Ceramic
- Glass
- Graphite
- Inconel
- Invar
- PEEK
- Polypropylene
- Rubber
- Ryton
- Silicon
- Silicone
- Stainless Steel
- Teflon
- Titanium

Integrating Micro-Abrasive Blasting with Automation

Comco also designs semi-automated systems for high-volume production. By integrating a variety of splitters and nozzles with powerful blasters, Comco can provide the optimal solution to meet your production requirements.

Comco's Applications Lab

Comco's Applications Engineers have the expertise and complete test facilities to determine if a micro-abrasive blasting process can improve your production efficiency and product quality.



**Contact us today at 800-796-6626
and discover the MicroBlasting solution to your production problems!**

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