Micro-Abrasive Blasting Solutions for Medical Products

Implantable Devices
Catheters
Guide Wires
Tubular Components
Needles
Vascular Stents
Surgical Instruments
Medical Molding
Medical Electronics

Take a Closer Look at Micro-Abrasive Blasting

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.

Materials successfully processed using micro-abrasive blasting:

- PEEK
- Titanium
- Stainless Steel
- Copper
- Silicon
- Pyrolitic Carbon
- Nitinol
- Inconel
- Aluminum
- Polypropylene
- Ceramic
- Graphite
- PTFE
- Kovar
- Brass
- Silicone
- Glass

Comco’s Applications Lab: Providing New Solutions for Medical Manufacturing

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.
**Micro-Abrasive Blasting for Medical Applications**

**Catheters & Guide Wires**
Remove polymer and PTFE coatings from selected areas and prepare the wire surface to promote bond and coating adhesion.

**Cannulae & Tubular Components**
Deburr point and heel grinds, etch the surface prior to overmolding, and texture to enhance echogenic properties.

**Stents, Plugs & Shunts**
Remove laser induced remelt, dross, oxidation, and discoloration without altering the device geometry.

**Implantable devices**
Selectively deburr bone screws, plates and implantable prostheses and texture to promote tissue growth around the implant.

**Medical Molding**
Surface texture on EDM or direct-machined mold cavities. Clean and restore the surface for maintenance purposes.

**Medical Electronics**
Remove encapsulation material from pacemaker cans, expose conductors on defibrillator leads, and remove metallic layers on Piezo electrical transducers.

**Integrating MicroBlasting with Automation**
Comco also designs systems for applications requiring integration with semi-automated equipment.

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

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