

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 | Polypropylene |
| Titanium | Ceramic |
| Stainless Steel | Graphite |
| Copper | PTFE |
| Silicon | Kovar |
| Pyrolytic Carbon | Brass |
| Nitinol | Silicone |
| Inconel | Glass |
| Aluminum | |



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.

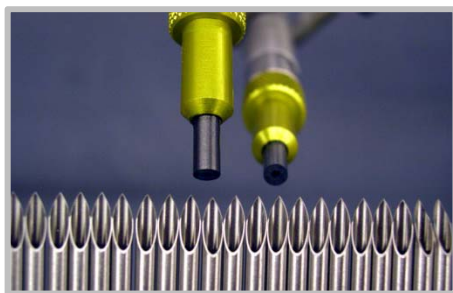


Micro-Abrasive Blasting for Medical Applications



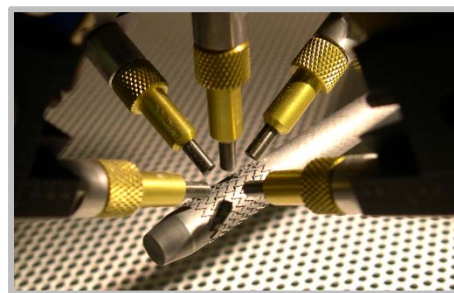
Catheters & Guide Wires

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.



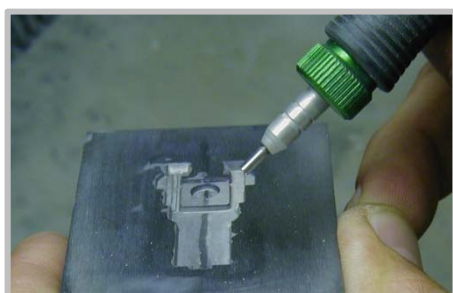
Stents, Plugs & Shunts

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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