

Micro-Abrasive Blasting Solutions for Medical Products



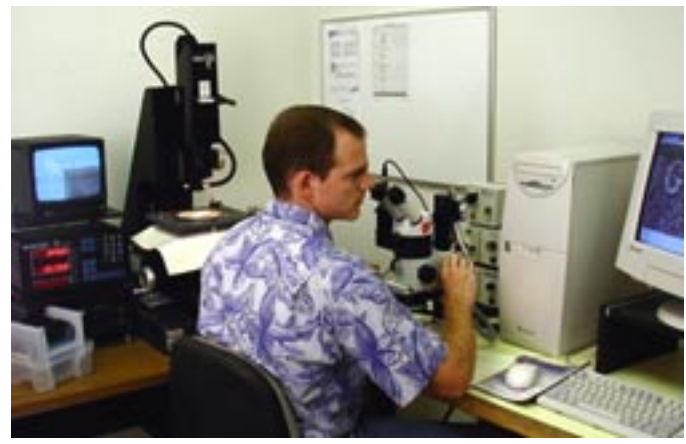
Take a Closer Look at Micro-Abrasive Blasting

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.

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

Materials successfully processed using micro-abrasive blasting:

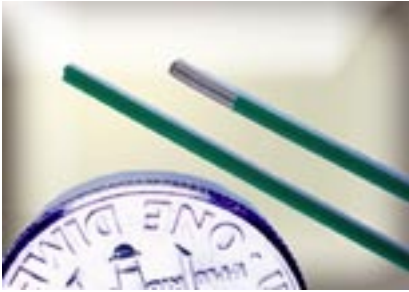
PEEK	Polypropylene
Titanium	Ceramic
Stainless Steel	Graphite
Copper	PTFE
Silicon	Kovar
Pyrolitic Carbon	Brass
Nitinol	Silicone
Inconel	Glass
Aluminum	



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

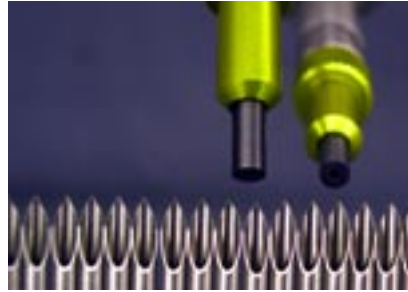
Comco's Applications Engineers have the expertise and complete test facilities to determine if a micro-abrasive blasting process can improve your production efficiency and product quality.

Micro-Abrasive Blasting for Medical Applications



Catheter / Guide Wire

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.



Stent / 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 shells, expose conductors on defibrillator leads, and remove metallic layers on Piezo electrical transducers.

Integrating Micro-Abrasive Blasting with Automation



Comco also designs systems for applications requiring integration with semi-automated equipment.

Contact us today and discover the MicroBlasting solution to your production problems!

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