Engineered for Your Job!

The power, precision and repeatability of micro-abrasive blasting combine to make it an ideal process for a variety of manufacturing applications.
What is Micro-Abrasive Blasting?

Micro-abrasive blasting is a deceptively simple process. Often compared to a miniature precision sandblaster, Comco’s MicroBlasters® work by uniformly mixing clean, dry air with abrasive particles as small as 17.5 microns. The mixture is then propelled out of a nozzle tip at high velocity resulting in an abrasive stream that is tightly focused and easy to control.

The type of abrasive, air pressure, and size of the nozzle opening makes it easy to keep these factors constant – delivering a high degree of repeatability with every blast. Micro-abrasive blasting is both cost effective and environmentally friendly.
Take a Closer Look at the MicroBlaster®

Robust Construction
Engineered to last, the MicroBlaster® features hardened components, less plumbing, and simplicity of design, resulting in reliable performance and less maintenance than competitive systems.

Abrasive Media Tank Assembly
ACME threads are incorporated into the tank cover for easy installation and extended wear resistance. Our unique Quick Fill design enables you to add abrasive in a matter of seconds.

Powder Feed
Our patented Modulator is the core of Comco’s powder delivery system. It ensures consistent media flow by accurately metering the abrasive into the air stream.

Quality Abrasive Media
Quality abrasive powder is essential for successful MicroBlasting. We maintain strict standards to produce pure, dry, and accurately sized abrasive media to ensure consistent blasting with every use.

Start/Stop Control
Reliable performance is ensured with Comco’s exclusive Pinch Valve System, which reduces machine maintenance and parts replacement downtime.

Wide Range of Nozzles
An extensive range of nozzle shapes and sizes are available to facilitate different applications. All Comco nozzles are color-coded for easy identification. (Refer to Comco’s nozzle and abrasive media catalog.)
Twice the Versatility

For applications that require a two-step process, Comco's Dual Tank MicroBlaster® model MB1002 is the ideal machine.

With the Dual Tank, an operator can blast a part with an aggressive cutting abrasive to remove burrs and quickly change to a peening abrasive to impart a different finish on the same part. Separate tanks and handpieces ensure that the powders never mix.

Precision machine shops, facilities performing circuit board rework, and dental labs all benefit from the versatility of the MicroBlaster® Dual Tank.

This lightweight blasting unit fits on top of any workbench. The 2 lb. capacity powder tanks are quick and easy to fill. The Dual Tank MicroBlaster® is engineered to perform day after day in multiple shift, high volume production environments.

The Dual Tank is equipped with all of the features of Comco's Single Tank and offers extra features including:

- Two 2 lb. Abrasive Tanks with Quick Fill Feature
- Use Two Different Abrasive Media with the Flip of a Switch
- Prevents Cross Contamination Between Tanks
- Increased Operator Convenience
MicroBlasting for Every Application
From Hand-Held to Semi-Automated Solutions

- Cutting Slots in Silicon Wafers
- Removing Laser Slag on Stents
- Peening Stainless Surgical Instruments
- Deburring Laser Machined Fuel Injector Ports
- Removing MgO from Thermocouples
- Cleaning Turbine Blade Orifices
- Conformal Coating Removal
- Deburring Hypodermic Needles
- Cleaning & Texturing Injection Mold Tooling
- Engraving Optical Lens Elements
- Deburring Swiss & Precision Machined Components
- Surface Preparation on Polymer & Alloy Tubes
MicroBlaster® Specifications

<table>
<thead>
<tr>
<th>Models:</th>
<th>MB1000 Single Tank</th>
<th>MB1002 Dual Tank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping Weight:</td>
<td>34 lb. (15.5 kg)</td>
<td>46 lb. (20.9 kg)</td>
</tr>
<tr>
<td>Size:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>9 in. (23.0 cm)</td>
<td>9 in. (23.0 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>17 in. (43.5 cm)</td>
<td>22 in. (56.0 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>10 in. (25.5 cm)</td>
<td>10 in. (25.5 cm)</td>
</tr>
<tr>
<td>Operating Air Pressure:</td>
<td>Standard Models MB1000 / MB1002</td>
<td>40 - 120 psi. (2.8 - 8.6 bar)</td>
</tr>
<tr>
<td>Nozzle Sizes:</td>
<td>Round: .015 to .060 in. diameter (.38 mm - 1.5 mm) Other shapes and sizes available.</td>
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Facility Requirements

<table>
<thead>
<tr>
<th>Inlet Air Pressure:</th>
<th>Standard Models MB1000 / MB1002</th>
<th>80 - 140 psi. (5.5 - 9.7 bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Volume:</td>
<td>Depending on nozzle size and air pressure, consumption is typically 0.5 - 2.0 SCFM (235 - 950 cm³/sec.)</td>
<td></td>
</tr>
<tr>
<td>Air Supply Quality:</td>
<td>Dried to - 25° F dew point (&lt;200 ppm of moisture) and oil content filtered to &lt;10 ppm</td>
<td></td>
</tr>
<tr>
<td>Power Requirements:</td>
<td>115V/60Hz or 230V/50Hz 40 Watts</td>
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</tbody>
</table>

All MicroBlaster® models come with a one year warranty and are available CE compliant. Consult your Comco representative for details.

The Comco Systems Approach

Dual Tank MicroBlaster® on The Classic Workstation

Contact us today at 800-796-6626 or sales@COMCOinc.com