

The MicroBlaster®

Unmatched Reliability & Control



MB1002 Dual Tank

MB1000 Single Tank

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.

COMCO INC.

MicroBlaster® Model MB1000

Single Tank Micro-Abrasive Blaster

Compact & Affordable

For over 30 years, Comco's MicroBlaster® model MB1000 has delivered unequalled performance, reliability, and precision.

This lightweight blasting unit fits easily on top of any workbench, conserving valuable shop space. The 2 lb. capacity powder tank is quick and easy to refill.

The patented Modulator and Comco's exclusive Pinch Valve System combine to deliver consistent media flow with a rapid "start/stop" response.

Every Comco MicroBlaster® is built tough to perform day after day in multiple shift, high volume production environments, yet is an affordable choice for shops requiring micro-abrasive blasting only a few days a week.

- *Quality Built / Value Priced*
- *2 lb. Abrasive Tank with Quick Fill Feature*
- *Lightweight Bench-Top Unit*
- *Patented Modulator System for Consistent Powder Flow*
- *Exclusive Pinch Valve Design to Reduce Maintenance*
- *Engineered for Simplicity & Reliability*



Single Tank MicroBlaster® on ClearView Workstation



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.)

MicroBlaster® Model MB1002

Dual Tank Micro-Abrasive Blaster

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*

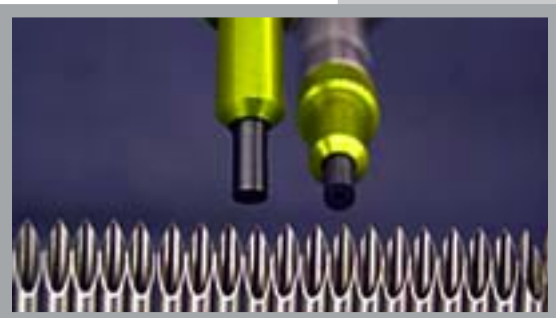


- *Cleaning & Texturing Injection Mold Tooling*

- *Engraving Optical Lens Elements*

- *Deburring Swiss & Precision Machined Components*

- *Surface Preparation on Polymer & Alloy Tubes*



MicroBlaster® Specifications

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

Facility Requirements

Inlet Air Pressure:	Standard Models MB1000 / MB1002	80 - 140 psi. (5.5 - 9.7 bar)
Air Volume:	Depending on nozzle size and air pressure, consumption is typically 0.5 - 2.0 SCFM (235 - 950 cm ³ / sec.)	
Air Supply Quality:	Dried to - 25° F dew point (<200 ppm of moisture) and oil content filtered to <10 ppm	
Power Requirements:	115V/60Hz or 230V/50Hz 40 Watts	
All MicroBlaster® models come with a one year warranty and are available CE compliant. Consult your Comco representative for details.		



Dual Tank MicroBlaster® on The Classic Workstation

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

Comco Inc. 2151 North Lincoln St. / Burbank, CA 91504-3344, USA
 818-841-5500 / Fax: 818-955-8365
 Visit us at www.comcoinc.com

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