



The SWAM-BLASTER® line of Micro Abrasive Blasters are complete, accurate and precise.

With independently adjustable powder flow control and air pressure regulation, Total Process Control can be achieved.

The SWAM BLASTERS introduce a defined amount of abrasive powder into a controlled stream of compressed air through the abrasive pathway and out of a selected nozzle tip. When detail is required, the powder flow can be turned down to reduce the amount of powder being introduced into the abrasive pathway thus, allowing the use of a very small nozzle tip. For more aggressive requirements, the air pressure, powder flow and the nozzle tip diameter can be increased.

The basic design of the **Model EV-2 Micro Abrasive Blaster** and the **Model EV-2L** is an "Economical Version" for the moderate applications with brass fittings throughout the abrasive pathway. The Model EV-2 has a nozzle range from .007" up to .040" and for more aggressive applications that require a larger nozzle range, the Model EV-2L is suitable from .018" up to .060".



The unique design of the **Model MV-2 Micro Abrasive Blaster** and the **Model MV-2L** offers "Maximum Versatility" with carbide lined fittings throughout the abrasive pathway and with the tilting powder tank that is mounted to a hinged plate to allow it to tilt to the side and with the push of a button, the vibrator activates to simply walk the powder out for rapid powder changes.



The optimum nozzle range for the Model MV-2 is from .007" up to .040" and the Model MV-2L is from .018" up to .060" for the more aggressive applications.

Abrasive Powders/ Hardness	CMI #	Abrasive Size
<b>Silicon Carbide</b> Knoop 2500, Mohs 9.0+	<b>#38</b>	60 micron
<b>Aluminum Oxide</b> Knoop 2000, Mohs 9.0	<b>#50</b>	12 micron
	<b>#14</b>	17.5 micron
	<b>#16</b>	27.5 micron
	<b>#17</b>	27 micron
<b>Aluminum Oxide (white)</b> Knoop 2000, Mohs 9.0	<b>#33</b>	50 micron
<b>Crushed Glass</b> Mohs 5.5	<b>#40</b>	84 micron
<b>Glass Beads</b> Mohs 5.5	<b>#39</b>	44 micron
<b>Dolomite</b> Mohs 3.5	<b>#30</b>	44 micron
<b>Plastic Blast</b> Mohs 3.5	<b>#45</b>	160 micron
<b>Soda Bicarbonate</b> Mohs 2.5	<b>#34</b>	75 micron
<b>Carbo Blast</b> 80+/-10 shore, D scale	<b>#25</b>	110 micron
	<b>#25A</b>	160 micron

The **Model MV-241 Micro Abrasive Blaster** is the ultimate in "Maximum Versatility". This model is a combination of the precise ability of the Model MV-2 and the aggressive attitude of the Model MV-2L in one unit. Just press the toggle switch on the front panel to green to use nozzles from .011" up to .032" or press the switch to amber to use nozzles from .018" up to .060".



The **Model LV-1 (Large Volume) Micro Abrasive Blaster** is best for operating in production lines and in the SWAM® Automated Systems. The Model LV-1 features an hour meter for SPC monitoring and a leak detection system for the pinch valve assemblies. It holds approximately 20 pounds of aluminum oxide and has a separate mixing powder tank for a consistent powder feed rate from a full tank to an empty tank.



For applications where the Model LV-1 is not quite enough, the **Model XV-1 (Xstream™ Volume) Micro Abrasive Blaster** is the solution for the heaviest output requirements. Similar to the LV-1, it is equipped with larger hoses and fittings throughout the abrasive/air pathway.

The Model LV-1 works very well with a nozzle range from .018" up to .060". For the Model XV-1, the optimum nozzle range is .032" up to .090".

### Accessories

**Work Chambers, small, standard, big or custom**



### Dust Collectors

1 hp to 20 hp



### All in One Work Chamber & Dust Collection



**TURBO-Max  
Bench Top  
System**



**Work Cell, on wheels  
put it where needed**

### We Automate Systems



**Wafer Coring**



**B2TV  
SCR Beveler**



**Belt Abrader**

### Nozzles - Straight 45 and 90 degrees

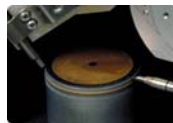
Standard Round Carbide Sizes	Rectangular Carbide	
	Standard Round Carbide Sizes	Rectangular Carbide
.007" ID	006"x.020" ID	
.011" ID	006"x.040" ID	
.014" ID	006"x.060" ID	
.018" ID	008"x.080" ID	
.026" ID	006"x.100" ID	
.032" ID	008"x.125" ID	
.040" ID	008"x.150" ID	
.045" ID	We make Special Nozzles Quickly	
.060" ID		



# Consider the Possibilities of Micro Abrasive Blasting

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Micro abrasive blasting has a wide variety of applications within many industries including Semiconductor, Electronics, Machine Shops, Museums, Medical, Dental Labs, as well as Arts and Crafts.



- Artifact Preparation
- Art Restoration
- Artwork
- Ceramics
- Cleaning
- Coating Removal
- Component Demarking
- Conformal Coating Removal
- Cutting
- De-burring
- De-capsulation
- De-flashing
- Delicate Stain Removal
- Dental Lab
- Drilling
- EDM Recast Removal
- Engraving
- Epoxy Removal
- Etching
- Failure Analysis
- Fossil and Mineral Matrix Removal
- Gemstone Preparation
- Glass Engraving and Etching
- Glass to Metal Seal Work
- Gold Removal
- Gold Surface Preparation
- ID Marking
- Insulation Removal
- Investment Plaster Removal
- Jewelry Cleaning
- Jewelry Preparation
- Laser Slag Removal
- Lead Frame De-flashing
- Magnetic Head Work
- Micro Hole Drilling
- Mirror Backing Removal
- Mold Polishing & Texturing
- Oxidation Removal
- Part Marking
- PCB Rework & Repair
- Piezo Fabrication
- Plating Removal
- Polishing
- Porcelain Crown Preparation
- Pottery Cleaning
- Power Device Beveling
- Probe Card Cleaning
- Solder Mask Removal
- Surface Finishing
- Surface Preparation
- Surface Texturing
- Thermocouple Processing
- Thin Wall Tube Drilling
- Trimming of:
  - Resistors
  - Capacitors
  - Thermistors
- Wafer Edge Rounding and Contouring
- Wafer Cutting
- Wafer Fabrication
- Wafer Gettering
- Wafer Slot Hole Drilling

**And Much More  
Consider the Possibilities**

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