

VANIMAN

Micro-abrasive Blasters

- Portable** Less than 30 pounds
- Micro** Micro – Small and precise “pencil blasting” with any abrasive from 60 to 360 grit in size and nozzles from .015” to .065”.
- Abrasive** Abrasive – Any material capable of cutting, removing material, or polishing a surface

How They Work



Vaniman blasters are designed for pinpoint accuracy or very controlled blasting techniques. All units use a pressurized media tank to mix air and media and force the mixture out of a crystal or carbide tip. With the exception of the Mobile units, all units have a sealed work area with two or three tanks. Units with multiple tanks have a selector valve inside the work area to choose which tank-hand piece combination is active. Pressure is regulated from 0-100 PSI to attain desired results.

What Are They Used For?

Micro-Abrasive Blasters are used for:

- Deburring of machined, molded, or fabricated parts
 - Drilled or cutting hard or fragile materials
 - Cleaning or removing unwanted adhesive or other material from components
 - Adhesive or process preparation of a surface
- And countless others!

Who Uses Micro-Abrasive Blasters?

- | | |
|-----------------------|------------------------|
| • Machine Shops | • Electronics |
| • Jewelry Production | • Ceramics |
| • Automotive Industry | • Aircraft Maintenance |
| • Museums | • Arts & Crafts |
| • Glass Industry | • Manufacturing |
| • Laboratories | • Medical/Dental |
| • Plastics Industry | |



Use Vaniman's Abrasive Vac with any cabinet blaster for dust removal. See page 2 for more information.

Call Vaniman to find out how Vaniman Micro-Abrasive Blasting fits into your industry or application!

Standard Blasting Systems

The ProBlast line is a collection of high quality portable micro-abrasive blasters built with maximum utility yet with economy in mind.

Problast³

The ProBlast³ is our top of the line enclosure with an economical three tank blasting system.

- Suitable for many applications such as cleaning, coating removal, surface preparation, deburring, etching, marking and more.
- Built-in pressure delivery system including a 0-100psi adjustable filter regulator and foot pedal control.
- Heavy gauge powder-coated steel cabinet with comfortable wrist cuffs.
- Tank selector controls conveniently located inside the cabinet.
- Handles all types of blasting media from 60 to 360 grit (25-250 micron).
- Designed for pinpoint accuracy on small or hard to reach areas via a variety of pencil point nozzles.
- No metal wear points from tank to nozzle and "quick change" hose fittings for easy maintenance and low cost of ownership.

* Use the Abrasive Vac for blasting cabinet dust removal
 Problast3 (One each 25 micron, 50-100 micron, 110-250 micron tanks) P/N 80070
 * Other tank combinations available.



Problast & Problast II

The ProBlast utilizes the same blasting system as the ProBlast3 with two tanks and an indestructible sealed resin cabinet construction. Problast II utilizes a compact space saving smaller cabinet (Clean-up air blast nozzle not included)

Problast Two Tanks (both 50-100 micron particle size) 80008
 Problast II, Two Tanks (both 50-100 micron particle size) 80007
 * Other tank combinations and gloves available



Mobile Problast

For mobile use or as an addition to an existing cabinet or closure. Extra long handpiece hose (6 ft.) enables long remote usage.

One Tank(50-100 micron particle size) 80017
 * Other tanks available



VANIMAN

Enhanced Blasting Systems

Master Problast³

The Master ProBlast³ is our top-of-the-line micro abrasive blasting system. It is a three-tank pressure system with instantaneous control. The foot pedal precisely controls the abrasive media flow.

- Suitable for many applications such as cleaning, coating removal, surface preparation, deburring, etching, marking, and more.
- Built-in pressure delivery system including a 0-100psi adjustable filter regulator and foot pedal control.
- Heavy gauge powder-coated steel cabinet with comfortable wrist cuffs.
- On/Off and tank selector controls conveniently located inside the cabinet.
- Handles all types of blasting media from 60 to 360 grit (25-250 micron).
- Designed for pinpoint accuracy on small or hard to reach areas via a variety of pencil point nozzles.
- No metal wear points from tank to nozzle and "quick change" hose fittings for easy maintenance and low cost of ownership.

* Use the Abrasive Vac for blasting cabinet dust removal

Master Problast3 (One each 25 micron, 50-100 micron, 110-250 micron tanks) P/N 80060

* Other tank combinations available

Master Problast

The Master ProBlast utilizes the same blasting system as the Master ProBlast3 with two tanks and indestructible sealed resin cabinet construction. (Clean-up air blast nozzle not included)

Master Problast (Two 50-100 micron tanks) P/N 80020

* Other tank combinations and gloves available



Air Blast Nozzle

Master Mobile Problast

For mobile use or as an addition to an existing cabinet or closure. Extra long handpiece hose (6 ft.) enables long remote usage.

One Tank (50-100 micron particle size) 80031

- Other tanks available





Blasting Accessories

Tips

Long Lasting Crystal Tips

Ultra-hard Sapphire Crystal inserts provide economic tip solution.

Precision Tips

Ultra precision Tungsten Carbide for maximum spray control.

Media

Vaniman's new line of abrasive media is of the highest quality and purity. High quality media virtually eliminates media impurities and increases blasting precision and consistency. 15 lb package

Part No.	Nozzle Size, Inches (mm)	Color	Recommended Media
Long Lasting Crystal Tips (2 per package)			
97902	Medium, .032" (.8mm)	Blue	25/50 μm Al_2O_3
97903	Large, .048" (1.2mm)	Black	50/100 μm Al_2O_3 , 50 μm Glass
97904	Extra Large, .065" (1.6mm)	Red	100-250 μm Al_2O_3 , 50/100 μm Glass
Precision Tungsten Carbide Tips (1 per package)			
97905	Small, .026" (.65mm)	Yellow	25 μm Al_2O_3
97906	Medium, .036" (.91mm)	Green	50/100 μm Al_2O_3 , 50 μm Glass
97907	Large, .059" (1.5mm)	Violet	100-250 μm Al_2O_3 , 50/100 μm Glass

Part No.	Material	Size	Applications
97921	Aluminum Oxide	25 μm	Fine surfacing of metal, porcelain and acrylic.
97922	Aluminum Oxide	50 μm	Removal of oxides. Preparation of porcelain faces before firing.
97923	Aluminum Oxide	100 μm	Deflasking. Alloy preparation for porcelain work.
97924	Aluminum Oxide	250 μm	Bulk removal of investment and tough oxide layers. Rough surface preparation.
97925	Glass Bead	50 μm	Smoothing/polishing. Devesting porcelain. Finishing of occlusal surfaces/crown interiors.

Note: Larger quantities available, contact Vaniman or your dealer for information.

Abrasive Blaster Window Protection System

The Protector shield is our newest accessory for blasters. The window is protected utilizing a clear "static cling" material. The shield is placed on the inside of any blaster window and protects the glass from scratching and fogging. When viewing clarity is reduced, the Protector is easily removed and replaced.

Protector for Vaniman SandStorm, Expert, Alpha, and all other blasters 12 pack 97950

Protector for Vaniman SandStormXL and other large cabinet blasters 12 pack 97951



"Contact Lens" Magnifier

Reduces eye strain and improves overall viewing area

"Contact Lens" Magnifier for Vaniman SandStorm, Expert, Alpha, and all other small blasters 97940

"Contact Lens" for Vaniman SandStorm XL and other large cabinet blasters 97941



PerfectView Magnifier

- Installs on any blasting system
- Increases blasting visibility and precision
- Attaches to any blaster window with suction cups

PerfectView Magnifier 97955



Waxing



Vector

"Sensor Touch" Programmable Waxing System

Five Programs, including the "Sensor Touch" program for precision waxing. Heats up and cools down with the touch of your finger.

Programs 1 - 4 can be pre-set to provide customized temperature control for production waxing.

- Rapid heat up
- Rapid cool down
- Various tips available
- Small PKT tip comes with each unit
- Digital microprocessor electronics
- Temperature sensing for accurate control
- Automatic selectable temperatures
- Ergonomic handpiece
- Operates in °F or °C



- Hollenback 97803
- Beavertail 97804
- Small #7 97805
- Large PKT 97802
- Small PKT 97801
- Needle 97800
- Denture Spoon 97812

Vector Electronic Waxer, Includes 1-Small PKT Tip 10150 ⚡

Extra Spatula Assembly (for "hot" tip quick change) 97809

Extra Spatula Assembly with tip combination (97809 + tip catalog number)

Accessories

High quality stainless steel casting rings and color-coded urethane sprue formers.



Easy Rings

Size	Part Number	Size	Part Number
1 1/4" D x 1 5/8" H	VMC-F125	2" D x 2" H	VMC-F20
1 1/2" D x 1 3/4" H	VMC-F15	2 1/2" D x 2 1/4" H	VMC-F25
1 3/4" D x 1 9/16" H	VMC-F175	3" D x 2 1/4" H	VMC-F30

Custom heights available. Contact Vaniman or your dealer for information. Cutting charge may apply.



Spectrum Sprue Formers

Size	Color	Part Number	Size	Color	Part Number
1 1/4"	Purple	VMC-SB125	2 1/2"	Yellow	VMC-SB250
1 1/2"	Dark Blue	VMC-SB150	3"	Orange	VMC-SB300
1 3/4"	Medium Blue	VMC-SB175	4"	Red	VMC-SB400
2"	Light Blue	VMC-SB200			

Product Description	Page	Installed dimensions LxWxH (inches)	Max Power Req. (Amps @115V)	Max Air Req. (PSI@CFM)
Van-I-Vac & Voyager w/o Accumulator	1	14x10x12	5	-
Van-I-Vac & Voyager w/Accumulator	1	20x10x27	5	-
AbrasiveVac w/Accumulator	2	20x10x27	5	-
Large Accumulator (includes allowance for hose)	2	8x10.5x27	-	-
Accumulator XL	2	13.5x8x30	-	-
Voyager Brushless 4 Station, Voyager HV	3	18x15x28	15	-
StoneVac II	4	10x15x24.5	15	-
Workstation Attachment	5-6	5x2.25x11.75	-	-
Jet Port	5-6	6x3.5x11.5	-	-
Jet Port w/Comfort Zone	5-6	6x10.5x11.5	-	-
Mobile Jet Port	5-6	9x3.5x5.25	-	-
Polyguard I	5-6	8x8x7	-	-
Polyguard II	5-6	9.75x9x11.5	-	-
Fish Mouth Plus	5-6	7.25x8x5.25	-	-
Fish Mouth Plus w/Flex Shield	5-6	7.25x8x5.25	-	-
Flex Shield 12" Flex	5-6	6"x8" Shield	-	-
Splash Guard	5-6	10x7x8.5	-	-
Remotes (dimensions of remote box)	5-6	3.6x2.25x2	-	-
Autopilot	5-6	6x8.25x3	15	-
PureBreeze	7	18x15x30	10	
Master Problast3, Problast3	9-10	22.5x19x16	.5	100@2
Problast	9-10	18x20x16	.5	100@1.25
Problast II	9-10	14.5x14.5x10	.5	100@1.25
Master Mobile Problast, Mobile Problast	9-10	8x10.25x6	-	100@1.25
Protector Shield Small	11	12.2x5.8 (LxW)	-	-
Protector Shield Large	11	8.5x11 (LxW)	-	-
"Contact Lens" Magnifier Small	11	12.2x5.8 (LxW)	-	-
"Contact Lens" Magnifier Large	11	8x10 (LxW)	-	-
Vector	12	5.5"x3.5"x1.5"	.25	-



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