

# VANIMAN

*Setting the Standard for the Dental Industry*

- *Dust Collection*
- *Micro-Abrasive Blasting*
- *Air Purification*
- *Electronic Waxing*



For over 25 years, Vaniman has established a tradition of Quality, Service, and Innovation for all the products it manufactures for the Dental Industry.

Starting with the original Accumulator™ Pre Filter , Vaniman's complete line of General and Specialty Dust Collectors, Micro Abrasive Blasters, Air Purification, and Electronic Waxing products, provide our customers quality the industry has come to expect.

Our Service department provides direct customer/technician interaction that streamlines technical assistance, as well as offers suggestions for properly configuring a product to achieve optimal performance.

Innovation has been the cornerstone of Vaniman Manufacturing over the last 25 years. The engineering staff continuously strives to provide our customers with the most robust, economical, and effective products available.

Vaniman remains committed to providing the Dental Industry the highest quality of products and service available through our worldwide dealer network.

## ***Dust Collector Introduction***

Dust collection is intended to capture nuisance, harmful, or precious material in any facility that has or creates such material. In some cases dust collection is a safety requirement, but in most cases dust collection creates a cleaner and more productive work environment.

It is important to consider the type and size of the attachment or work area, the type of filtration needed (HEPA, Odor, Pre-Filter), and the sound level requirements.

## ***A Dust Collector For Every Need***

		<b>Application</b>			<b>Specifications</b>		
Page	Products	General Purpose Porcelain Metal Stone	Micro-Abrasive Blasters	Heavy Stone & Die Trimming	Work Stations	Plumbing Size	Maximum Plumbing Run
2	<b>V-Six</b>	●	●	●	1-6	FREE CONSULTATION with Vaniman	
3	<b>Vanguard 1X</b>	●			1	1@ 1 1/2"	8'
3	<b>Vanguard Gold 2X</b>	●			1-2	1@ 2 1/2" 2@ 1 1/2"	8'
3	<b>Platinum Gold 2X</b>	●			1-2	1@ 2 1/2" 2@ 1 1/2"	6'
4	<b>StoneVac II Series</b>	●	●	●	1-3	FREE CONSULTATION with Vaniman	
5	<b>SandVac</b>	●	●		1	1@ 2 1/2"	6'

Vaniman has technicians and engineers available to help choose a system to suit your particular needs or design a system for your facility. Please contact Vaniman Manufacturing for further assistance.

# VANIMAN



## V-SIX *Specialty Dust Collector*

- Six Workstation Operation
- New "Ultra-Quiet" Brushless Motor  
(59 Decibels on HIGH)
- Variable Speed Control
- HEPA Cartridge Filtration
- Push Button "Air-Pulse" Filter Maintenance System
- Large Dust Collection Tray
- 2 1/2", 3" & 4" Plumbing Options
- 2 Year Warranty

V-SIX 10280 ⚡

*Quiet enough to be placed in the lab.  
Powerful enough to be placed remotely.  
Ideal for labs producing large quantities  
of stone & abrasive dust.*

**Free**

**Consult Vaniman engineers for design,  
layout, and installation assistance!**

⚡ Available in 100, 220, 230, 240 Volts @ 50/60Hz CE

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## General Purpose Dust Collectors

### VANGUARD

All Vanguard units feature:

- High speed turbine technology producing high suction
- Whisper quiet operation at 55 decibels
- Low maintenance design
- Unique Accumulator™ Pre-Filter captures 95% of all dust
- Additional filtration options
- 1 year warranty

### VANGUARD 1X

- Single Station, single speed

Single station 10310 (A) ⚡

With Accumulator™ 10311 (B) ⚡

### VANGUARD Gold 2X

- One or two station, multi-speed

- High suction for heavy duty use

Single station 10320 (A) ⚡

Single station with Accumulator™ 10321 (B) ⚡

Two station with Accumulator™ 10322 (C) ⚡

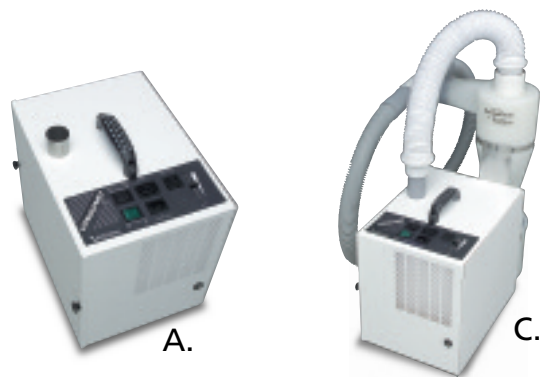
### VANGUARD Platinum 2X

- One or two station, variable speed
- Autopilot for handpiece synchronization
- Optional Air Autopilot add-on for air handpiece control
- Automatic "Bag Full" indicator
- Tri-filtration built-in


Single station 10330 (A)

Single station with Accumulator™ 10331 (B)

Two station with Accumulator™ 10332 (C)



\*Not for use with blasters or abrasives

⚡ Available in 100, 220, 230, 240 Volts @ 50/60Hz CE 

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## Specialty Dust Collectors

### StoneVac II



### The most versatile dust collector in the industry...

- Specifically designed for Die Stone, Micro-abrasive Blasters, Porcelain and all other Dry Material
- Brushless Motor option available
- HEPA cartridge filtration
- Ultra quiet design
- Optional Accumulator™\*
- Optional AutoPilot Controller (Plus only)
- Optional Air AutoPilot for air handpiece use\*\* (Plus only)
- Optional remote switch control
- 1 year warranty



Exclusive  
"Electronic"  
Filter  
Maintenance  
System

HEPA  
Filtration  
Captures  
99.97% of  
Dust at 0.3  
Microns

Extra Large Dust Tray

StoneVac II 10201 ⚡


StoneVac II Plus 10202

StoneVac II *Brushless* 10230 ⚡

Two station expansion kit 10206

\* Accumulator VMC-A300

\*\* Air AutoPilot (must specify at time of order) 10354

⚡ Available in 100, 220, 230, 240 Volts @ 50/60Hz CE 

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
## Specialty Dust Collectors

### SandVac

*Specifically designed for abrasives!*

- Ultra powerful motor captures abrasive media and material
- Whisper quiet (55 decibels) and ultra-low maintenance design
- Multi-stage filtration
- Accumulator™ Pre-Filter captures 99% of all abrasive material
- Dual function remote control included
- Plug in your micro-abrasive blaster and control both with one easy step
- 2 year warranty

SandVac with Accumulator™ Pre-Filter 10211 ⚡

⚡ Available in 100, 220, 230, 240 Volts @ 50/60Hz CE 



## Pre-Filtration

### Accumulator™

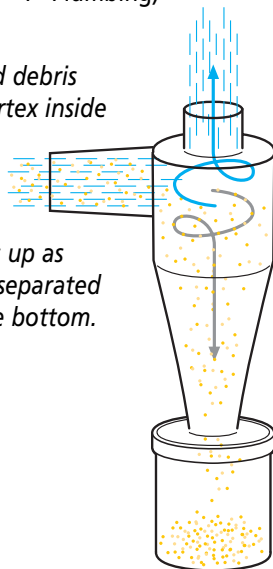
The Vaniman Accumulator™ Pre-Filter is designed to protect and collect. It protects technicians and equipment from the damage caused by dust. It collects dust, valuable gold, aluminum oxide, stone, and acrylic before it reaches the dust collector.

Accumulator™ VMC-A300 (2 1/2" - 3" Plumbing)

Accumulator™ XL 10509 (2 1/2" - 4" Plumbing)

*Air, dust particles and debris enter the swirling vortex inside the Accumulator™*

*Cleansed air flows up as dust particles are separated out and fall to the bottom.*



*Air flows up from the Accumulator™. This air is now 95% free from dust particles. The air will now go into the filtering system of the dust collector.*

*Dust particles and debris are collected in the Accumulator bowl, which is easily detached and emptied.*



## Pure Breeze Air Purifier

- Four stage filtration system removes dust, odors, microscopic particles, bacteria, viruses, and microbes
- Less than half the size of competitive air cleaners
- Three speed system for properly cleaning rooms from 250 to 1000 square feet
- True HEPA Hospital Grade filtration - captures 99.97% of particles at 0.3 microns
- Simple and economical filter replacement
- Ultra quiet design



Stage 1:  
Captures airborne dust and lab material  
Filtration Replacement 97021

Stage 2:  
Additional layer of dust protection  
Filtration Replacement 97022

Stage 3:  
Removes odors and organic vapors  
Filtration Replacement 97023

Stage 4:  
HEPA filtration removes fine airborne particles, airborne bacteria and viruses  
Filtration Replacement 97024


Filter Pack, 3 stage 1, 1 stage 2 97025


Pure Breeze 10360 

## Pure Breeze Fume Hood

- Removes fumes, smoke and odors generated by burnout furnaces, monomer and most laboratory processes
- Can be used as a general room air purifier for rooms up to 1000 square feet
- Removes dust, microscopic particles and microbes
- No duct work or external exhaust required
- Can be wall or ceiling mounted or on the work surface with the optional stand
- Super quiet, 3 speed maintenance free motor
- Four-stage filtration that is simple and economical to replace
- Wall mounting bracket and ceiling hooks included
- Optional remote available
- Dimensions with Skirt: L 25" x W 38" x H 20"  
with Stand: L 18" W 30" H 33"



Fume Hood 10370   
Workstation stand 10516  
Protective Shield 10517

 Available in 100, 220, 230, 240 Volts @ 50/60Hz CE

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# Attachments to fit any user's needs and accessories to enhance dust collection systems

## Dust Collection Accessories

### Bench-Front Accessories with Shields

Mount temporarily or permanently at the front of a standard bench or table-top. Easily attached to any dust collection system from below.



Jet Port with "Comfort Zone" arm rest system  
VMC-A441



Workstation attachment with bench clamp  
VMC-A390



Jet Port  
VMC-A440



Flexible Hose Kit  
96026



Down Draft  
96044



Muffler  
96028

### Bench-Top Accessories

Accessories sit on or are attached to bench-top surface. Easily attached to dust collection system from rear.

Mobile Jet Port  
VMC-A442



Polyguard I  
Partially enclosed work area.  
VMC-A397



Polyguard II  
360° enclosed work area.  
VMC-A398



Fish Mouth Plus  
Heavy duty metal fish mouth.  
VMC-A395



Flex Shield  
Includes screw base, adhesive, and magnetic base.  
VMC-A391



Fish Mouth Plus with Flex Shield  
Shield is positioned by the user.  
10503



# VANIMAN

## Dust Collection Accessories



### Splash Hood

- Fluorescent light
  - Adjustable clear shield
  - Removable dust tray
  - Rugged molded plastic
  - For use with a 6" wheel
- 96045



### Splash Vac

- Mini Vac
  - Fluorescent light
  - Adjustable clear shield
  - Removable dust tray
  - Rugged molded plastic
  - For use with a 6" wheel
- 96046

## Remotes for Dust Collector Control

*Control a single dust collector remotely.*



### Remote Switch

Wall or bench mounted control switch. For use with all Vaniman dust collectors except StoneVac, SandVac and AbrasiveVac

VMC-A450



### Dual Remote Switch

For use with all Vaniman dust collectors except StoneVac, SandVac, and AbrasiveVac

VMC-A455



### Foot Remote Switch

For use with all Vaniman dust collectors except StoneVac, SandVac, and AbrasiveVac

VMC-A460



### StoneVac Remote Switch

Wall or bench mounted control switch. For use with StoneVac only.

10203

Remote Extension 10505 – 6'  
extension for all Vaniman remotes



### AutoPilot

**Dust Collector Control System**  
Coordinates dust collection for up to 2 micromotors, lathes, or air handpieces.

VMC-A600/A601

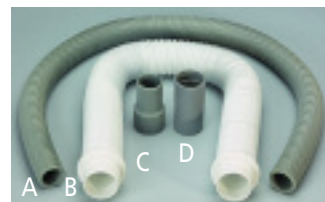
Dust collector automatically turns on when micromotor, lathe, or air handpiece is in use.

Built-in "Dust Delay Time" allows dust collector to remain on for a few seconds to clear dust in the air after tool stops.

Controls dust collector up to 10 Amps and accessories up to 6 Amps.

Order VMC-A601 for air handpiece control.

## Hoses, Adapters and Plumbing



### A. Hose

VMC-1450 – 1 1/2" (sold per foot)

### B. Expandable Hose (with ends)

VMC-1023 – 2 1/2" x 6'

### C. Hose End

VMC-1008 – 1 1/2" for 1 1/2" hose  
(connects to dust collectors)

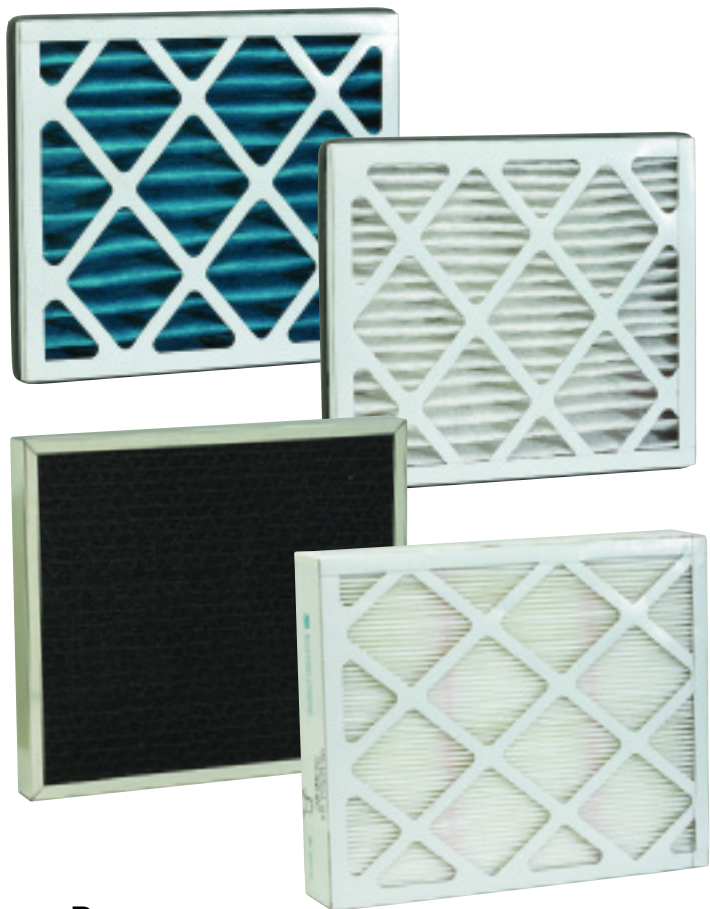
### D. Hose End

VMC-1009 – 1 3/4" for 1 1/2" hose  
(connects to accessories)

*Many other adapters, hoses, tees, and connection accessories available.  
Contact Vaniman with your specific needs.*

## Dust Collection Accessories

### Pure Breeze Filters



### Pure Breeze

#### Four Stage Filtration System

- Stage One - captures airborne dust and laboratory material
- Stage Two - additional layer of dust protection
- Stage Three - removes odors and organic vapors
- Stage Four - HEPA filtration removes fine airborne particles, airborne bacteria and viruses

Stage One Filter Replacement 97021  
 Stage Two Filter Replacement 97022  
 Stage Three Filter Replacement 97023  
 Stage Four Filter Replacement 97024  
 Filter Pack, 3 stage 1, 1 stage 2 97025

### Filtration

#### Post Filter

Post filter adds an additional level of filtration to all Vanguard 1X, 2X units.

96014



#### HEPA Filter

Captures 99.97% of all particles larger than .3 microns. Fits Vanguard 1X, 2X units.

97016



#### External HEPA Filter Kit

Adds HEPA filter cartridge to any Vaniman standard dust collector (except AbrasiveVac, SandVac, and StoneVac)

97017



#### Replacement HEPA Filter

StoneVac 97001



#### Replacement Filter

HEPA V-SIX/4X 96017

Vanguard HV 96016



#### Dust Collector Bags

High quality bags in an economical 5-pack. Cloth bag is designed for long life in all Vaniman bag-type dust collectors. Easy, clean disposal or reclaiming of precious metals.

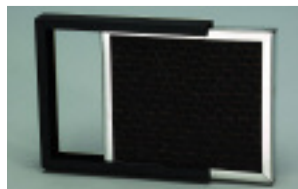
VMC-A400-5



#### External Odor Filter Kit

Includes frame and odor filter. Eliminates 95% of all odors, including monomer and resin odors (except AbrasiveVac, SandVac, StoneVac, and Vanguard 4X)

VMC-A420



#### Odor Filter

Eliminates 95% of all odors, including monomer and resin odors. Fits Vanguard 1X and 2X dust collectors.

96013



## Micro-Abrasive Blasters

### SandStorm Expert

*The micro-abrasive blasting system for the laboratory professional.  
A high quality and economical blasting system for moderate to heavy production.  
Low maintenance media flow system virtually eliminates wasteful down-time  
and lowers maintenance costs.*



- Extra large, "Easy Fill" tanks hold up to 4 pounds of media
- Exclusive non-clogging flow design with automatic air/media purging system
- "Contact-Lens" magnified viewing window reduces eye strain and improves overall viewing area
- Blast proof resin cabinet is maintenance free
- Two hand pieces
- Includes 1 precision Tungsten Carbide Tip and 1 Crystal Embedded Tip
- Foot pedal control
- Adjustable air pressure
- 3 year warranty

SandStorm Expert (50-100 micron) 80101 ⚡  
 SandStorm Expert (25 & 50-100 micron) 80102 ⚡  
 SandStorm Expert (50-100 & 110-250 micron) 80103 ⚡

⚡ Available in 100, 220, 230, 240 Volts @ 50/60Hz

### SandStorm Prestige I/O

*The next step in blasting technology designed for the discerning dental laboratory. The SandStorm Prestige provides control and convenience in micro-abrasive blasting.*

- Insta-off (I/O) feature immediately starts and stops media flow
- Large well lit work area
- Standard three tank system with three hand pieces
- Air blast nozzle inside cabinet for clean-up operations
- Labor Saving "Easy Fill" tanks hold up to 4 pounds of media
- Tungsten Carbide Precision Tips and Sapphire Crystal Embedded Tips
- Non-clogging flow system provides blasting consistency
- Stainless steel work surface
- Foot pedal control
- Powder coated heavy gauge welded cabinet
- 3 year warranty



SandStorm Prestige I/O 80170 ⚡  
(One 25-50 micron & Two 50-100 micron tanks)

SandStorm Prestige I/O 80171 ⚡  
(One each 25 micron, 50-100 & 110-250 micron tanks)

Also available as:

#### **SandStorm Prestige**

All the same great features in a non-I/O version.

SandStorm Prestige 80150 ⚡  
(One 25-50 micron & Two 50-100 micron tanks)

SandStorm Prestige 80151 ⚡  
(One each 25 micron, 50-100 micron & 110-250 micron tanks)

Includes  
Air Blast  
Nozzle



⚡ Available in 100, 220, 230, 240 Volts @ 50/60Hz CE

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## Micro-Abrasive Blasters

### SandStorm Professional

*A blasting system for the dental professional, designed for light duty touch-ups in the dental office. Fully contained system requires only compressed air and standard wall power!*



VMC-X25

- Self contained media filter system
- Exclusive non-clogging flow design
- State-of-the-art design
- Foot pedal control
- Heavy duty long lasting tips
- Completely sealed enclosure
- Large fluorescent illuminated panoramic viewing area
- Adjustable air pressure

SandStorm Professional blasting system (50-100 micron) VMC-X25 ⚡

Blast cabinet with filter and lighting system VMC-X26 ⚡

Blast cabinet with light system only VMC-X0 ⚡



VMC-X26

VMC-X0

### Mobile SandStorm

*Complete single tank mobile system adds our high quality blasting system to any existing cabinet.*

- Portable and lightweight – only 8 pounds
- Holds 4 pounds of media
- Exclusive Non-clogging flow design
- Foot pedal control
- Heavy duty long lasting tips
- Adjustable air pressure

*Available as SandStorm Mobile (I/O) for precision control of media flow*

Mobile SandStorm (50-100 micron) 80140

Mobile SandStorm I/O (50-100 micron) 80141

Note: Other micron size tanks available.



### SandShell XL

*An economical and space-saving blasting system designed for walnut shell blasting.*

- Ideal for the "Compact" denture department
- Blast away stone from undercuts and teeth without damage to the acrylic work
- Fully sealed design operates with or without a dust collector

Sandshell walnut blasting system 80280

⚡ Available in 100, 220, 230, 240 Volts @ 50/60Hz CE



## 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
<b>Long Lasting Crystal Tips (2 per package)</b>			
97902	Medium, .032" (.8mm)	Blue	25/50 $\mu\text{m}$ $\text{Al}_2\text{O}_3$
97903	Large, .048" (1.2mm)	Black	50/100 $\mu\text{m}$ $\text{Al}_2\text{O}_3$ , 50 $\mu\text{m}$ Glass
97904	Extra Large, .065" (1.6mm)	Red	100-250 $\mu\text{m}$ $\text{Al}_2\text{O}_3$ , 50/100 $\mu\text{m}$ Glass
<b>Precision Tungsten Carbide Tips (1 per package)</b>			
97905	Small, .026" (.65mm)	Yellow	25 $\mu\text{m}$ $\text{Al}_2\text{O}_3$
97906	Medium, .036" (.91mm)	Green	50/100 $\mu\text{m}$ $\text{Al}_2\text{O}_3$ , 50 $\mu\text{m}$ Glass
97907	Large, .059" (1.5mm)	Violet	100-250 $\mu\text{m}$ $\text{Al}_2\text{O}_3$ , 50/100 $\mu\text{m}$ Glass

Part No.	Material	Size	Applications
97921	Aluminum Oxide	25 $\mu\text{m}$	Fine surfacing of metal, porcelain and acrylic.
97922	Aluminum Oxide	50 $\mu\text{m}$	Removal of oxides. Preparation of porcelain faces before firing.
97923	Aluminum Oxide	100 $\mu\text{m}$	Deflasking. Alloy preparation for porcelain work.
97924	Aluminum Oxide	250 $\mu\text{m}$	Bulk removal of investment and tough oxide layers. Rough surface preparation.
97925	Glass Bead	50 $\mu\text{m}$	Smoothing/polishing. Divesting 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 small 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

- 2X magnification
- Attaches to any blaster window with suction cups

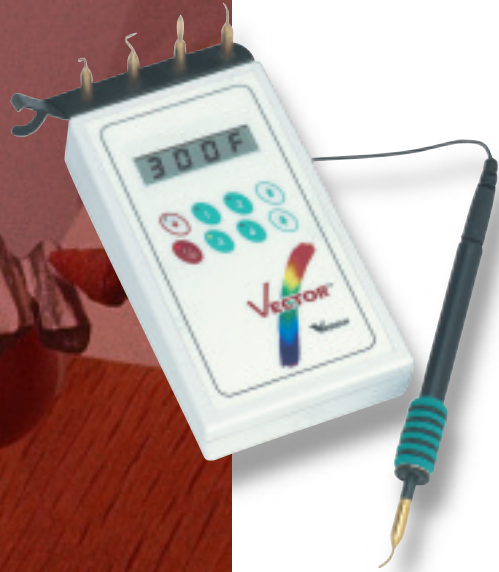
PerfectView Magnifier 97955

### SandStorm Maintenance Kit

Kit 97960

Everything you need to keep your blaster in proper working condition.

## Waxing



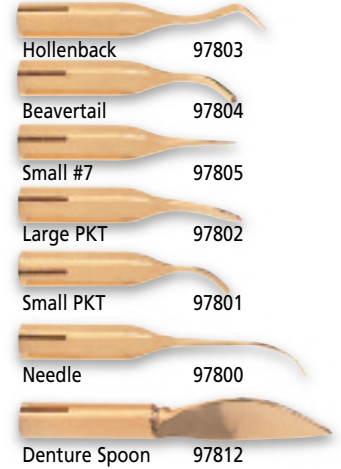
### Vector

#### "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
- 3 Year Warranty



- 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)
V-Six	2	20x21x36	15	100 @ 1.25
Vanguard 1X without Accumulator	3	14x10x12	5	-
Vanguard 2X without Accumulator	3	14x10x12	15	-
Vanguard 1X with Accumulator	3	20x10x27	5	-
Vanguard 2X with Accumulator	3	20x10x27	15	-
StoneVac II	4	15x10x24.5	15	-
SandVac with Accumulator	5	20x10x27	5	-
Accumulator (includes allowance for hose)	5	8x10.5x27	-	-
Pure Breeze	6	18x15x30	-	-
Pure Breeze Fume Hoods	6	25x38x20	-	-
Workstation Attachment	7	5x2.25x11.75	-	-
Jet Port	7	6x3.5x11.5	-	-
Jet Port with Comfort Zone	7	6x10.5x11.5	-	-
Mobile Jet Port	7	9x3.5x5.25	-	-
Polyguard I	7	8x8x7	-	-
Polyguard II	7	9.75x9x11.5	-	-
Fish Mouth Plus	7	7.25x8x5.25	-	-
Fish Mouth Plus with Flex Shield	7	7.25x8x5.25	-	-
Flex Shield	7	12" Flex, 6"x8" Shield	-	-
Downdraft	7	10.25x12x8.5	-	-
Muffler	7	3.50x10.5	-	-
Splash Hood	8	13x10x13	-	-
Splash Vac	8	17x10x13	-	-
Remotes (dimensions of remote box)	8	3.6x2.25x2	-	-
Autopilot	8	6x8.25x3	15	-
SandStorm Expert	10	14.5x14.5x10	.5	100 @ 1.25
SandStorm Prestige	11	22.5x19x16	.5	100 @ 2
SandStorm Professional	12	14.5x14.5x10	.5	100 @ 1.25
Mobile SandStorm	12	8x10.25x6	-	100 @ 1.25
SandShell XL	12	18x16x20	.5	80 @ 2.5
Protector Shield Small	13	12.2x5.8 (LxW)	-	-
Protector Shield Large	13	8.5x11 (LxW)	-	-
Contact Lens Magnifier Small	13	12.2x5.8 (LxW)	-	-
Contact Lens Magnifier Large	13	8x10 (LxW)	-	-
Vector	14	5.5"x3.5"x1.5"	.25	-

Catalog # 8675309



Vaniman Manufacturing  
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