

VANIMAN

Setting the standard for the industry



Our proven knowledge:

- **Dust Collection**
- **Micro-Abrasive Blasting**
- **Electronic Waxing Systems**

Introducing...

VOYAGER BRUSHLESS 4X

Vaniman's new low maintenance dust collector for up to four stations.



See page 2 for more information

INDEX

Dust Collectors	1-4
Air Cleaner	5
Dust Collection Accessories	6-7
Micro-Abrasive Blasters	8-10
Blasting Media and Accessories	11
Waxing System	12
Casting Rings and Formers	13
Technical Data	14



For over 20 years, Vaniman has manufactured the highest quality products for the industry. Vaniman strives to provide high quality products and service through our worldwide dealer network.

For additional information please contact your dealer or Vaniman Manufacturing.

On the Web:

www.vaniman.com/industrial

Via e-mail:

sales@vaniman.com

By phone:

800-VANIMAN (826-4626) or 760-723-1498 outside the USA

By fax:

760-723-6990

By Mail:

P.O. Box 74, Fallbrook, CA 92088-0074





DUST COLLECTOR INTRODUCTION

1

For over twenty years, Vaniman has provided quiet and compact dust collection systems for industry, labs, hobbyists, artists, and others.

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.

Choosing the right dust collector for the application is often the key to a successful design. 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.

Use the chart on this page to begin selecting a dust collector on the following pages.

Product	1 Station	2 Stations	3 Stations	4 Stations	HEPA Filtration	Odor Filtration	For Use with Abrasive Blasters	Precious Metal Recovery	Noise Level	Longest distance to Station (feet)
Van-I-Vac	One 1.5" Station	-	-	-	Optional	Optional	No	Best with Accumulator	53	6
Voyager	One 1.5" to 3" Station	Two 1.5" to 2.5" Stations	-	-	Optional	Optional	No	Best with Accumulator	55	8
AbrasiveVac	One 1.5" to 2.5" Station	-	-	-	No	No	Yes	Best with Accumulator	55	6
Voyager Brushless	One 1.5" to 3" Station	Two 1.5" to 2.5" Stations	Three 1.5" to 2" Stations	Four 1 1/2" Stations	Optional	No	Yes	Best with Accumulator	60	20
Voyager HV	One 4" Station	Two 2 1/2" to 4" Stations	Three 2.5" to 3" Stations	Four 2 1/2" to 3" Stations	No	No	Yes	Yes	57	10
StoneVac	One 1.5" to 3" Station	Two 1.5" to 2.5" Stations	-	-	Included	No	Yes	Best with Accumulator	57	10

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 for further assistance or dust collection guidance.

2 GENERAL PURPOSE DUST COLLECTORS

All Van-I-Vac and Voyager units feature:

- Ultra Powerful
- Whisper Quiet Operation
- Compact, Space Saving Design*
- High Efficiency Tri-Layered Disposable Bag
- Unique Accumulator™ Captures 99% of Metals and 95% of all Dust
- Promotes Dust Free Environment
- Optional HEPA and Fume Filtration
- Optional Remotes

Van-I-Vac

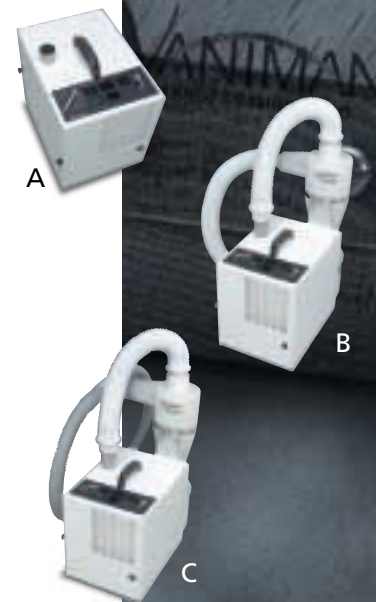
- Single Station
- Only 53 decibels (dbA)

Voyager

- One or Two Station, multi-speed
- High Suction for heavy duty use
- Only 55 decibels (dbA)

Applications

- Metal Reclamation
- Engraving
- Work bench Dust Collection
- Micro-machining



Application/Product	Part #	Fig.
TWO STATION DUST COLLECTOR		
Van-I-Vac Single Station	10600	A
Van-I-Vac Single Station with Accumulator	10610	B
Voyager Single Station	10630	A
Voyager Single Station w/Accumulator	10640	B
TWO STATION DUST COLLECTOR		
Voyager Dual Station w/Accumulator	10650	C

GENERAL & SPECIALTY DUST COLLECTORS

3

Abrasive Vac (for one station)

- Pre-filter/Accumulator captures 99% of all dust
- Dual function remote control included
- Plug in your micro-blaster and control both with one easy step
- Two year warranty

Abrasive Vac with Large Accumulator & Foot Remote 10660

Voyager Brushless (for two station or one high volume station)

- Brushless, Bagless, and Low Maintenance Design
- Small footprint, uses less than 2 square feet of floor space
- Suitable for general purpose collection for all dry materials and fumes

Voyager Brushless with 20 feet of 1-1/2" hose for up to four stations. 11020

Voyager Brushless with 10 feet of 2" hose for 1 and 2 stations. 11022

StoneVac II

Heavy Duty Die Stone Collection System

- Specifically designed for use with ultra-fine dust
- Exclusive built-in electronic filter cleaning system
- Ultra-effective filtration for die stone dust extraction
- Modular high volume HEPA filter cartridge design
- Collection bag for easy clean-up
- High Capacity motor
- Two models available StoneVac and StoneVac Plus
- Built-in "AutoPilot" for micromotor control on the StoneVac Plus
- Air AutoPilot option for air handpiece control

StoneVac II 10201

StoneVac Plus (includes AutoPilot) 10202

Air AutoPilot Add-on (must specify at time of order) 10354

Two Station Expansion Kit 10206





4 GENERAL PURPOSE DUST COLLECTORS

VOYAGER HV

- Full one horsepower industrial motor moves 750 cubic feet per minute (cfm)
- Handles two to four workstations
- Provides high flow to four workstations simultaneously
- Unit operates in horizontal or vertical position (see below)
- Noise arresting system makes unit quietest available (55dbA)
- Add remotes for control at up to four stations
- Washable cartridge filter provides economical filtration
- Available for 2", 3", or 4" hose
- Low maintenance design
- Three year warranty (Filter not included)

Voyager HV with 4 - 2" Hose Ports p/n 10670
Voyager HV with 4 - 3" Hose Ports p/n 10671
Voyager HV with 2 - 4" Hose Ports p/n 10672



Use standing up or laying-down to suit your space

Standard hose sizes:
(sold per foot)
2" Hose 96019
3" Hose 96020
4" Hose 96021



Popular Workstation Attachments



Polyguard II
VMC-A398



Fish Mouth Plus
with Flex Shield 10503



Splash Guard
VMC-A470

LABORATORY AIR FILTRATION SYSTEM

5

Duke Breeze

Clean Air System

- Four Stage Filtration System Removes Dust, Odors, and microscopic particles and microbes.
- Less than half the size of competitive air cleaners
- Three speed system for proper cleaning of rooms from 250 to 1000 square feet.
- Handles laboratory airborne particles with true HEPA filtration - captures particles smaller than 0.3 microns.
- Captures airborne bacteria and viruses.
- Simple and economical filter replacement.
- Ultra quiet design from the Air Filtration Company, **Vaniman**.
- Long life motor assures years of maintenance free motor operation.
- Weighs a fraction of other air cleaners while maintaining the best filtration and air cleanliness available.
- Ships standard UPS, no expensive freight bills.

Pure Breeze System 10360



Four Stage Filtration System

- Stage One - capture airborne dust and laboratory materials
- 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 Filtration Replacement 97021

Stage Two Filtration Replacement 97022

Stage Three Filtration Replacement 97023

Stage Four Filtration Replacement 97024

Maintenance kit, 3 stage 1, 1 stage 2 97025

6 DUST COLLECTION ACCESSORIES



VMC-A441

Bench-Front Accessories with Shields

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

Workstation attachment with bench clamp VMC-A390

Jet Port VMC-A440

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



VMC-A390



VMC-A442

Bench-Top Accessories

Accessories set or attached to bench-top surface. Easily attached to dust collection system from rear.

Mobile Jet Port VMC-A442 – portable jet port with shield.

Polyguard I VMC-A397 – partially enclosed work area.

Polyguard II VMC-A398 – fully enclosed work area, except on sides.

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

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

Flex Shield VMC-A391 – attachable with included screw base, adhesive, or magnetic base.

Splash Guard VMC-A470 – Plastic shield



VMC-A440



VMC-A397



10503



VMC-A398

Hoses, Adaptors and Plumbing

Expandable Hose (with ends) VMC-1023 – 2 1/2" x 6'

Hose 1450 – 1 1/2" (sold per foot)

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

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

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



VMC-A391



VMC-A395

Remotes for Dust Collector Control

Control a single dust collector from remote.

Remote Switch VMC-A450 – Wall or bench mounted control switch.

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

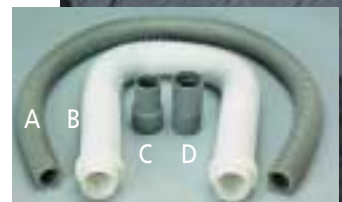
StoneVac Remote Switch 10203 – Wall or bench mounted control switch.

For use with StoneVac only.

Foot Remote Switch VMC-A460 – For use will all Vaniman dust collectors except StoneVac, and AbrasiveVac

Dual Remote Switch VMC-A455 – For use will all Vaniman dust collectors except StoneVac, and AbrasiveVac

NEW Extension 10505 – 6' extension for all Vaniman remotes



A 1450

B VMC-1023

C VMC-1008

D VMC-1009



VMC-A470



VMC-A450



10203



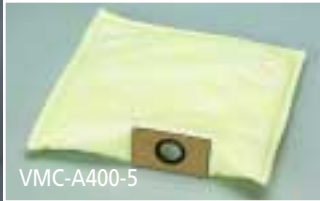
VMC-A460



VMC-A455

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

DUST COLLECTION ACCESSORIES



Filtration

Dust Collector Bags VMC-A400-5 – 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.

Odor Filter Kit VMC-A420 – Includes frame and odor filter. Eliminates 95% of all odors, including monomer and resin odors (except AbrasiveVac, StoneVac, and Voyager 4X)

Odor Filter 96013 – Eliminates 95% of all odors, including monomer and resin odors. Fits Voyager and Van-I-Vac units.

Post Filter 96014 – Post filter adds an additional level of filtration to all Voyager and Van-I-Vac units.

HEPA Filter 97016 – Captures 99.97% of all particles larger than .3 microns. Fits Voyager and Van-I-Vac units.

HEPA Filter Kit 97017 – Adds HEPA filter cartridge to any Vaniman standard dust collector (except AbrasiveVac, and StoneVac)

StoneVac Replacement HEPA Filter 97001

Voyager Brushless 4X Replacement Filter 96018



AutoPilot

Dust Collector Control System VMC-A600/A601

Coordinates dust collection for up to 2 micromotors, lathes, or air handpieces.

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

Order VMC-A601 for air handpiece control.

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



The Accumulator™

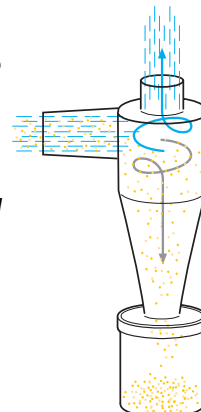
Pre-Filter VMC-A300 – A problem solving product from Vaniman.

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

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.

Dust particles and debris are collected in the Accumulator bowl. This bowl easily detaches.



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.





8 PORTABLE MICRO-ABRASIVE BLASTING SYSTEMS

Portable Less than 30 pounds

Micro Micro – Small and precise “pencil blasting” with any material 60 to 360 grit in size and nozzle sizes of .015” to .065” in diameter.

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 sand 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!



Vaniman’s line of abrasive media is of the highest quality and purity. High quality media virtually eliminates media impurities and increases blasting precision and consistency.

What Industries Use Micro-Abrasive Blasters?

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

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



NEW

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, removing coatings, 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 hand 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.
- Maximum longevity and maintainability with no metal wear points from tank to nozzle and "quick change" hose fittings.

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

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



Air Blast Nozzle



10 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. It incorporates a hose purging system between uses.

Problast³

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

- Suitable for many applications such as cleaning, removing coatings, 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 hand 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.
- Maximum longevity and maintainability with no metal wear points from tank to nozzle and "quick change" hose fittings

Problast3 (One each 25 micron, 50-100 micron, 110-250 micron tanks) P/N 80050
* Other tank combinations available.



Problast & Problast II

The ProBlast utilizes the same blasting system as the ProBlast3. With two tanks and 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





BLASTING ACCESSORIES 11

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

Tips
Long Lasting Crystal Tips
 Ultra-hard sapphire crystal inserts provide economic tip solution.

Precision Tips
 Ultra precision Tungsten Carbide for highest spray control.



Media
 Vaniman's 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 (other quantities and materials available).

Part	Material	Size	Applications
97921	Aluminum Oxide	25 μm	Fine surfacing of metal or hard materials.
97922	Aluminum Oxide	50 μm	Deburring and defl ashing of metals and other hard materials.
97923	Aluminum Oxide	100 μm	Aggressive removal of materials, semi-rough finished surface.
97924	Aluminum Oxide	250 μm	Bulk removal or surface cleaning of tough materials. Rough surface preparation.
97925	Glass Bead	50 μm	Smoothing/polishing. Cleans and polishes without removing material.

Abrasive Blaster Window Protection System

The Protector shield is our newest accessory for the blasting systems. The window is protected utilizing "static cling". 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 ProBlast II, and all other blasters 12 pack 97950
- Protector for Vaniman ProBlast, ProBlast³ and other large cabinet blasters 12 pack 97951

PerfectView Magnifier

- Installs on any blasting system.
- Increases blasting visibility and precision.
- Removable when not in use.

PerfectView Magnifier 97955



12 PROGRAMMABLE WAXING SYSTEM

Vector "Sensor Touch" Programmable Waxing System

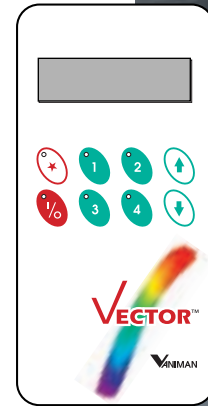
Five Programs

"Sensor Touch" program for precision waxing heats up and cools down with the touch of your finger










Programs 1 through 4, constant temperature programs are designed for production waxing. Each program can be pre-set for its own customized temperature

- 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



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)

Tips

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



High quality Stainless Steel Casting Rings and Color-coded urethane sprue formers for high quality castings.

"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			

TECHNICAL DATA

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



Vaniman Manufacturing
P.O. Box 74
Fallbrook, CA 92088-0074