

PRIMED



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Introducing Pinovo vacuum blasting – slashing your project costs by up to 40% on difficult-to-access projects.

Pinovo Blast 'N' Vac systems clean up as they go, saving you \$1,000s in labor and containment costs!

There are many projects where abrasive blasting is simply a pain... *"It can't be done"* the skeptics would say... *"It creates too much mess and dust"*...

Not anymore! You can now use new innovative technology in Vacuum blasting to open new doors and create new value to your customers. This could be a way to get numbers of new customers for your business!

Vacuum blasting works well for maintenance projects at facilities today because many plants are now requiring that open blasting be controlled or even abandoned because of

dust and abrasive. This is because of growing restrictions on dust release for environmental reasons and plant managers also have concerns about the dust damaging the plant's moving components, or interfering with the progress of other contractors.

Vacuum blasting solves all these issues. It effectively encapsulates and immediately retrieves dust, residues, coatings and blast media at the blast and vacuum work head. ***This means you are eliminating the nuisance dust, speeding your clean up time and labor, and reducing the need for containment.***

40% cost reduction to be realized with the new innovative Pinovo® range of vacuum blasting tools

Add vacuum blasting to your list of capabilities

Contactors have proved up to 40% cost reduction by using Pinovo vacuum blasting when their projects have required excessive containment and clean up labor.

Using blast-n-vac tools allows you to clean up behind you as you blast, the abrasive and nuisance dust never enter the public atmosphere, completely stripping your project of the cost of any containment or clean up costs. Can you see that making a difference to your costs on a job?

Some of the savings you will prove is because fewer operators are needed to do the job, you don't need all the guys that install containment and specialty scaffolding to hold the containment, and the clean up crew is non-existent.



PIWALK WORKHEAD

This tool is designed for blasting floors or areas that you can walk along, unsurpassed in the industry with a 4" blast pattern.



PIHAB SYSTEM

This system creates its own blasting containment environment. The bag is inflated to create a blasting area, you attach the vacuum hose to the bottom of the bag, you can then insert a regular blast nozzle inside the containment and start blasting. When you have finished blasting that area, simply run the vacuum until all the dust and abrasive has been removed and then take the bag off the structure – it's a blasting habitat in a bag!



PICONNECT WORKHEAD

This tool has replaceable heads – it is shown in this picture being used with the edging tool – ideal for blasting the edge of I-beams.



PIPOINT WORKHEAD

This tool is the smallest blast-n-vac workhead available anywhere. Designed to spot blast in hard-to-reach areas. Showing here the flexibility of the hoses and ease of use.

Featured product – the Pinovo® PiCo Pipe™ tool



This ingenious pipework blasting tool from Norway

The PiCo Pipe is a hand-held closed loop grit blasting tool intended for dust free abrasive blasting of pipes.

No significant clean-up or further work is required following the Pinovo preparation process, the surface is ready for painting or other post-treatment. Surface cleanliness up to SP10 with an anchor profile up to 4mil can be achieved.

The low noise and dust free Pinovo surface preparation process minimizes the impact on surrounding trades and equipment.



PICO PIPE WORKHEAD

You can see the complete encapsulation of all dust and abrasive. This tool is perfect for blasting the externals of pipes in refining process units, off-shore applications and bridge cable stays.

TO ACCOMMODATE OUR CLIENTS' VARIOUS NEEDS, WE OFFER BOTH RENTAL AND PURCHASE OF OUR TOOLS AND SYSTEMS

How does a Blast-n-Vac workhead work?

These rugged workheads carry an internal blast nozzle and vacuum suction port. The abrasive comes down the blast hose in the tool through a center wear tube, which stops the workhead from wearing out. The abrasive then enters the blasting area, impacts the surface and rebounds up. This is when the vacuum can easily and effectively suck up the rebounded abrasive and any dust through the vacuum hose.

These blast-n-vac workheads are light weight, but they have a rugged design for production blasting.

For more information see webpage www.BlastOne.com/products/blasting-equipment/blast-units/vacuum



This worker is blasting a 8" pipe on an off-shore oil platform. He is using a rope access system to save the cost of scaffold and containment.



This shows the different sizes available for the PiCo Pipe, ranging from 1" to 8" pipes – there is the perfect tool for every job.

NEVER STOP LEARNING

Subtle contaminants can cause catastrophic coating failures

One of the most disastrous mistakes an industrial painting contractor can make is to not check his newly blasted surface for subtle contaminants like salt, dust and oil. A failure to check these can be the cause for a major coating failure, resulting in severe loss of profits or even bankruptcy for the contractor.

SALT CONTAMINATION

Chloride ions are typically prevalent in marine, coal locations and in other industrial processes. On new steel, chlorides can also come from contaminated abrasive or water.

SALT TESTS

Many methods are available – including Chlor*Test kits, Bresle patches, SCAT kits, Conductivity Meters – refer work specification and relevant AS/ISO standards.

PREVENTION

- Choose the right abrasive, like a traceable quality, low salt abrasive, e.g. GMA Garnet
- Test abrasive for chloride content – must be below 25ppm
- Test cleaning water for chloride content
- Pretest existing structures for chloride presence prior to blasting
- Rinse with clean water and/or a soluble salt remover e.g. Chlor-rid

DUST AND DEBRIS CONTAMINATION

The most common cause of this type of contamination is due to poor quality abrasive causing excessive dust and debris, or a failure to blow-off or vacuum the surface completely after blasting.

TESTS

Clean Rag Wipe Test, Pressure Sensitive Tape Method – refer work specifications and relevant AS/ISO standard.

PREVENTION

- Use a low dust abrasive, e.g. GMA Garnet.
- Blow off all surfaces after blasting

OIL-GREASE CONTAMINATION

This contamination is normally found on new steel from mill or warehousing or fabrication treatments. You can also find this because of contaminated compressed air or environmental exposure

TESTS

Water Break Test, UV Illumination Test – refer work specifications and appropriate AS/ISO standards.

PREVENTION

- Test and maintain compressed air quality
- Pre-test and/or pre-clean work prior to blasting by degreasing and/or rinsing



THIS SUGAR MILL COLLAPSED DUE TO ADVANCED CORROSION

Long-term corrosion protection is only possible with optimum surface preparation

DISCLAIMER: The above information is a guide only. It in no way purports nor represents to cover all factors, causes, tests or prevention of contaminants. It is the responsibility of the reader and/or users of the above information to separately determine and verify surface cleanliness methods and procedures as directed or indicated in any work specification or standards. BlastOne expressly disclaims any liability for the use or misuse of the above information.

Prior to blasting and/or blowing off the work surface

WHY COMPRESSED AIR QUALITY IS CRITICAL

One of the key aims of blast cleaning is to remove surface contaminants, corrosion, old paint etc. to ensure a good performance of the coating system.

The compressed air must be clean, otherwise the blasting will introduce fresh contaminants as fast as the old contaminants are removed!

CONTAMINANTS TO CHECK IN THE COMPRESSED AIR

- Dirt
- Oil (mist or droplets)
- Moisture (mist or droplets)

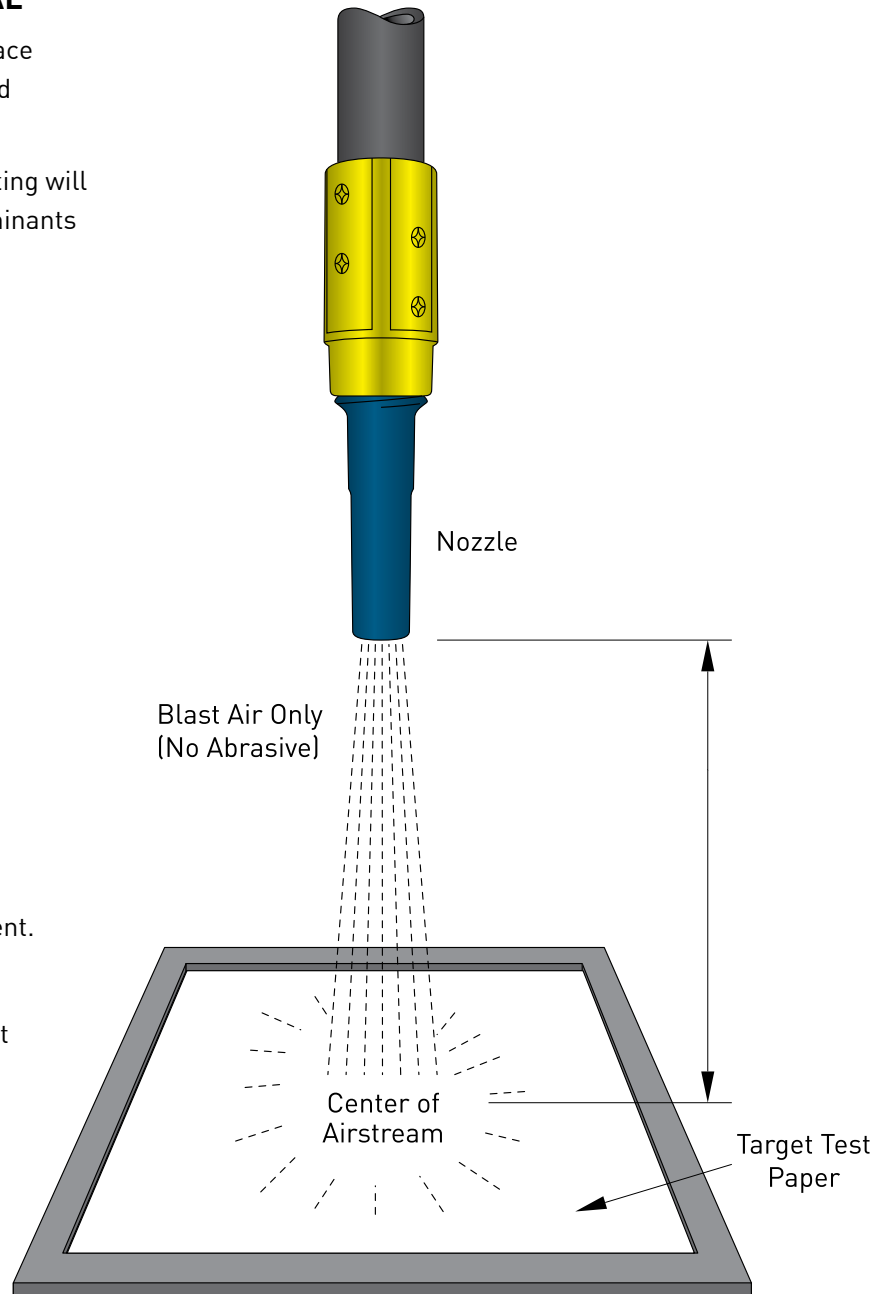
Each and all of these can cause coating failure!

RECOMMENDED CHECK INTERVALS

- Test before commencing blasting
- Every 4 hours when blasting continuously

BLOTTER PAPER METHOD TO CHECK AIR QUALITY

1. Start the compressor and set up the blast equipment.
2. Secure the test paper apparatus.
3. When the compressor is warmed up, start the blast equipment with NO abrasive in the air stream.
4. Position the nozzle so the test paper is in the center of the air stream and within 24" (600 mm) of the nozzle.
5. Sustain the test for 2 minutes continuously.
6. After 2 minutes, stop the test and immediately check the test paper for any sign, feel or smell of oil, moisture or other contaminants.



DISCLAIMER: The above information and procedure does not nor shall not be taken as representing not intending to be an approved nor a complying nor a standard method nor procedure for testing compressed air quality. It is the responsibility of the reader and/or users of this information to separately determine and verify the correct method and procedure for testing compressed air quality as directed or required or indicated by any work specification or order or other standards. BlastOne expressly disclaims any liability for the use or misuse of the above information and procedure.

“He’s the fastest touch-up painter in the west”

Using the X-Force cordless sprayer for industrial coatings

Doing touch-up, spot repair or simply have a small area to paint? The job just got easier!

The Graco X-Force HD is the industry’s first cordless airless sprayer. Utilizing proven ProSpray Technology, the X-Force sprayer delivers Graco’s professional piston pump design in the palm of your hand, giving you the power and freedom to create a high quality, airless finish wherever you need it! Designed to endure punishing conditions, the X-Force offers the ideal blend of performance and portability, and has been successfully tested

with a variety of industrial coatings, including:

- High Solids Epoxy Primers and Coatings – up to 100% solids content
- Solvent-borne Coatings
- Water-borne Coatings
- High Solids Polyurethane Top Coatings
- Fire Retardant Coatings
- Elastomeric and much more!

FULLFLO™ PRESSURE CONTROL

Easy to read dial, fully adjustable and optimized for thick and thin coatings.

HD BRUSHLESS MOTOR

Highest performance, longest life.

SPRAY-N-THROW™ CUP SYSTEM

Disposable 48oz lid and liner system virtually eliminates cleanup while sealed cup protects material and minimizes spills. Spray at any angle – even upside down!



PROCONNECT™

No-tools pump removal and installation system for replacement in seconds!

STANDARD RAC X™ SWITCHTIP AND GUARD

Accepts standard Graco RAC® tips, guards and extensions and EasyOut™ tip filter keeps you spraying with less tip blockages.

28V HIGH POWER LITHIUM-ION POWER

To spray the most demanding materials up to 1 gallon per charge.

Increasing the profitability of those hand-tool surface prep jobs

Bristle Blaster – The wire brush on steroids

Been using wire brushes, sanders and needle guns for small scale preparation?

This innovative, new advancement in wire wheel based surface preparation increases productivity and provides a profiled surface that is substantially better than wire brushing, sanding or needle gunning. Where surface preparation with hand-held tools is the only option, coating adhesion will be optimized by using the Bristle Blaster Tool. The portability and simplicity of Bristle Blaster makes it an essential for every blasting contractor.

The Bristle Blaster is available as a pneumatic or an electric-powered unit. Both of these units use a unique bristle design that maximizes the use of the supplied power. The electric



Bristle Blaster shown with the vacuum attachment mounted

model operates on 110V, while approximately 90psi of air at 4cfm is required for the pneumatic model.

HOW DOES IT WORK?

With hardened tips on the end of the spring steel bristles, which are angled for maximum effectiveness, the rotating wheel scours away any unwanted contaminants on the substrate.

The design of the Bristle Blaster allows it to not only to be very effective on flat areas but also to reach into tight corners. The replaceable wire wheels are available in 7/16” and 29/32” widths. A vacuum port allows for connection to an industrial vacuum.

Control that dust – it's simple!

Let the Blue Wizard Dust Extraction Fan do all the work for you

Ventilation can be critical to maintain good visibility and a safe work environment for operators and nearby workers while abrasive blasting (inside and out). The better you see, the more efficient your blasting and the safer the work area. More productivity can be achieved by removing airborne dust from containment areas and discharging through the fan.

Dust control in contained areas is vital for visibility and efficient blasting, so stop guessing and get rid of that dust fast with a Blue Wizard high performance fan.

FEATURES

- Modular, portable 20" diameter fan
- Air powered fan 10,000 cfm nominal air flow (requires 125-175 cfm compressed air)
- Single phase electric fan 6,000 cfm nominal air flow
- Three phase electric fan 10,000 cfm nominal air flow
- Explosion proof (EXE) rated fan available – approved to Class 1, Zone 1

Please note: does not control or collect lead based paints.



BLUE WIZARD EXTRACTION FAN WITH DUST SOCK

Blast in a shed for 10 hours a week or less and want to recycle?

Save \$1,000's with the new Economical Compact Abrasive Recycler!

One of the main reasons that companies install a blast room is for the ability to save money by recycling their abrasive. Abrasive recyclers work by separating the dust, fines and trash from the still usable good abrasive allowing you to use the abrasive over and over again.

BlastOne have designed this economical recycler for customers that are blasting in a shed and are not enjoying the benefits of recycling.

ADDITIONAL DETAILS

- Includes a dust collector so you don't have any additional equipment costs
- Features an abrasive shovel-in hopper which keeps the unit compact and portable, and easy to use
- Simple to use control panel so anyone can operate it
- 9 cuft of abrasive storage inside the unit, ready to refill your blast pot when it is empty
- The recycler is skid mounted which reduces your installation costs – no foundations required
- Lead time is only 6-8 weeks so you can start saving quickly



Do you know BlastOne stocks all this and much, much more?

HYPER BLAST NOZZLE

The high performance Hyper Blast Nozzle has an extra-long 12" venturi that can increase your performance up to 30%!

Made from silicon nitride with an aluminum jacket means its not too heavy for the blaster.

See page 117 of the new BlastOne catalog for details



LEATHER BLASTING GLOVES

Durable blasting gloves that are made with abrasive resistant Kevlar threads. Gloves have long lower arm protection and are soft cotton lined for comfort!

See page 241 of the new BlastOne catalog for more information



GMA GARNET

GMA Garnet makes contractors more profitable because it blasts faster than most other abrasives available.

- Lower dust
- Lower consumption
- Higher production
- Consistently the highest quality

See page 289 of the new BlastOne catalog for more information on sizes



RPB NOVA 3 BLAST HELMET

The most comfortable helmet on the market. If you don't believe it – let one show you today!

The revolutionary weightless design and one click lens replacement can boost your productivity.

See page 212 of the new BlastOne catalog for more information



AIRPREP MOISTURE REMOVAL SYSTEMS

These AirPreps are available for purchase and rent!

Guaranteed to reduce your costs by 10% by effective moisture removal.

See page 283 of the new BlastOne catalog for information



2" RADIATOR BRUSH

Radiator brushes are a painters friend. They give you the reach up and down that you need.

Made from a premium filament and bristle blend with a smooth, high quality timber handle and stainless steel ferule.

See page 397 of the new BlastOne catalog



BRISTLE BLASTER REPLACEMENT WHEELS

Bristle Blaster belts are manufactured with high performance polyamide fabric and carbon spring steel.

Available in 11mm or 23mm widths and with stainless steel bristles if required.

See page 255 of the new BlastOne catalog



2" BLAST TAPE

Strong, reinforced cloth tape suitable for sealing, masking and protecting.

This blast tape will maintain a tight seal for your projects.

See page 263 of the new BlastOne catalog



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