

# Product Bulletin

For Blasting and Painting Specialists



## Gold mine **saves 90% downtime** with pipe cleaning maintenance!

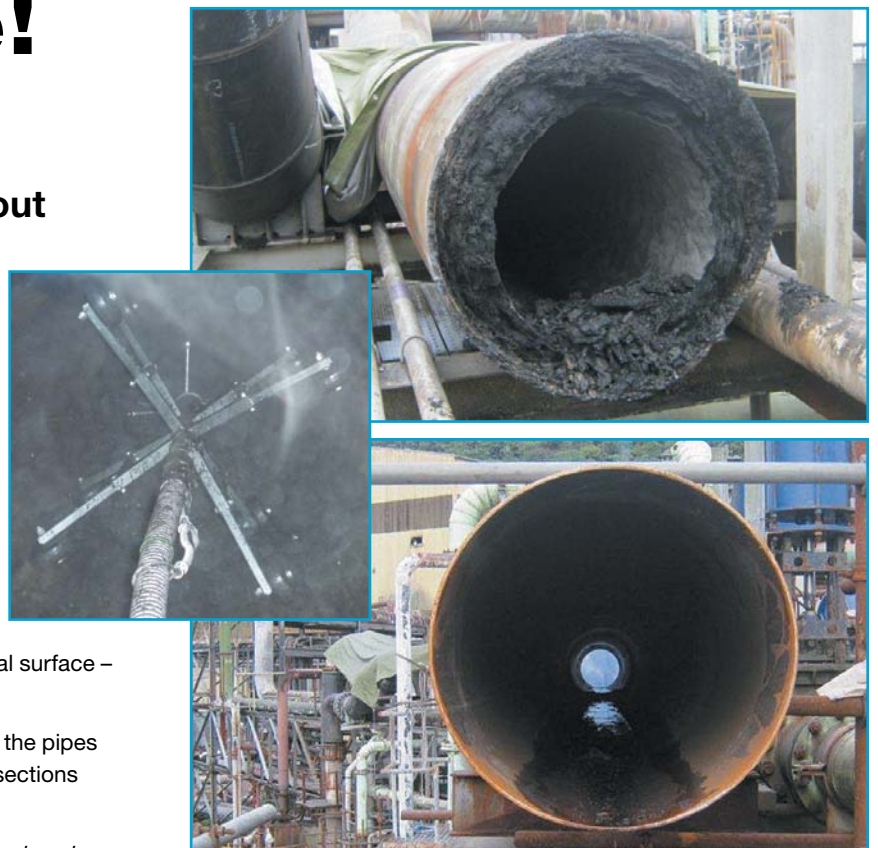
The mine struck gold recently when they used a Blast-One Water-Jetting System to clean out heavily contaminated pipes at a gold mine processing facility in a remote region.

The pipes are used to convey crushed ore slurry from one part of the facility to another and a build up of heavily hardened encrusted deposits form internally which reduce the effective passage of matter by a staggering 75%. This reduction of flow and efficiency loss costs time and money – this makes the investors very testy!

Utilising a **Blast-One** diesel powered Water-Jetting System, in conjunction with a **Blast-One** Pipe Cleaning Kit, the pipes were rapidly cleaned right back to the metal surface – bringing the efficiency back to 100%.

This process took 3 days – the old alternative was to cut the pipes into sections, remove the hardened slurry and weld the sections back – 31 days of decommissioned plant.

The Maintenance Engineer said “*this Water-Jetting technology is the only way to go*”.



(TOP) The build up inside the contaminated pipes,  
(BOTTOM) after the cleaning process and  
(INSET) The Blast-One Pipe Cleaning Kit in action.

Continued on the next page ➔



# Striking GOLD using Blast-One HP Water Pipe Cleaning

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Not only did this **save** the mine the cost of \$1.6 million dollars of downtime, etc and the obvious inconvenience, it also resulted in **increased output** from the process (a gain of \$150,000 per day). Also the **recovery of nearly 5,000 grams of gold** that was embedded in the cleaned out contamination – an approximate market value of over 0.3 million dollars!

The decision to invest in a **Blast-One** High Pressure water pump proved to be a very wise move indeed.

Besides Pipe Cleaning, Blast-One High Pressure water pumps can be used for **stripping rust and paint from steel, cold-cutting of steel, internal tank cleaning and scarifying, and demolishing of concrete.**



*Gold Mine Processing Facility*

## The Blast-One Tunnel Cleaner – discover the power and flexibility.

The Tunnel Cleaner combines safety, consistency and productivity for cleaning large diameter pipes. The modular construction easily passes through manhole sized entries and adjusts to different pipe sizes.

This tested and proven concept utilises self-rotating nozzles mounted on an air powered rotating manifold. The manifold can use either 2 or 4 rotating nozzles. The range of speed rotation of the air powered manifold is determined by the gearbox ratio and is adjustable with air flow variation. The rotating manifold is then extended and retracted along the chassis rail.

### Features and Benefits

- Can accommodate 15k to 40k psi
- 4' - 12' diameter of pipe
- Controlled rotation
- 2 or 4 self-rotating nozzles
- Field repairable
- Power driven option.



*A Blast-One Water-Jetting System will provide enough power for your Pipe Cleaner*



*The Blast-One Tunnel Cleaner at work in a large diameter pipe*

**Call Blastmaster for more information – 1800 882 229.**



# Hand-held tools with 40,000 psi of power! The Blast-One VertaJet (SRT-6).

For “in-between” vertical surfaces (too large for manual water jetting but too small for the semi-automatic Vertical Crawler), the **Blast-One VertaJet™ SRT-6** is ideal. This lightweight, hand-held system works fast and collects debris.

The SRT-6 operates at 40,000 psi (2,800 bar) and has adjustable rotation speed – ideal for soft substrates, like concrete – and a counterbalancing system to take the weight and minimize operator fatigue. The SRT-6 LT weighs just 20 lbs (9 kg), and requires no air supply. It is ideal for removing coatings from steel substrates. It features ergonomic handles and dual-trigger operation to dump pressure.

## Features and Benefits

- Vacuum recovery capability = dust free environment
- Counterbalanced to minimize operator fatigue
- 6" (150mm) cleaning path for high productivity rates
- Uses Blast-One's exclusive BARJET™ and Bi-Mode™ valve technology.



*The VertaJet™ SRT-6 LT features 40,000 psi of cleaning power.*

*The VertaJet™ SRT-6 LT at work removing a coating from steel.*

# SPIN JET® Floor and Grate Cleaners.

Blast-One's patented SPIN JET® rotating jet system has long been one of the water jet industry's most effective tools.

The SPIN JET® floor and grate cleaners (manoeuvred like a lawn mower) were originally designed to remove overspray from paint booth grates. Today they are also widely used for removing floor and ship deck coatings, highway stripes, runway rubber, and more...and even for concrete scarification. Operating at 40,000 psi (2,800 bar), the SPIN JET® is user friendly and very efficient.

SPIN JET® units reduce labour, operating costs and energy use. There are many ergonomic models featuring a range of pressures, flows and cleaning path widths. Standard features include a dump valve that instantly reduces water pressure to near-zero, and guards over moving components, hose and quick disconnects. Rotary seal and dump valve repair kits are available. Options include 4-arm and 6-arm configurations and pneumatic or hard rubber tyres. Vacuum recovery is available on some models.

## Features and Benefits

- Consistent speed even at low flows
- Vacuum recovery
- Ideal with lower horsepower pumps.



*The SpinJet 36-9950-15A and (ABOVE) in use on metal flooring.*

**Call Blastmaster for more information – 1800 882 229.**

# Is your abrasive free of **Salt?**

Any salt content in your abrasive or on your substrate

## TEST YOUR ABRASIVE FOR SALT

To ensure a good, clean and salt free blasted surface, test your abrasive before the coating job begins.

Many coatings have failed from chloride ions (salt) being deposited or embedded on a surface by contaminated abrasive. Don't start the rust cycle straight after blasting!

Grit particles contaminated with chlorides have been found to cause coating failures if they were left on surfaces and then painted over. All that effort, time and of course – cost!

There is now a simple test you can apply in the field in minutes! No more sending samples to a laboratory, no waiting days or weeks for results and no high cost.

Blastmaster's Chlor\*Test™ Kit is the complete and easy to use abrasive test kit – even an inexperienced tester can get accurate results. The Chlor\*Test™ measurement range is between 1ppm to 50ppm. An acceptable level is below 25ppm (according to Standard ISO 11126-10).

*Chlor\*Test™ Abrasive Chloride Test Kit (pack of 4 tests)*



*GMA Australian Garnet is processed under strict quality controlled conditions resulting in one of the lowest chloride levels of any abrasive.*



### Step 1

Fill set amount of abrasive into container.



### Step 2

Pour abrasive into Chlor\*Test™ solution.

### Step 3

Seal container and shake for 2 minutes – leave to settle for 5 minutes.

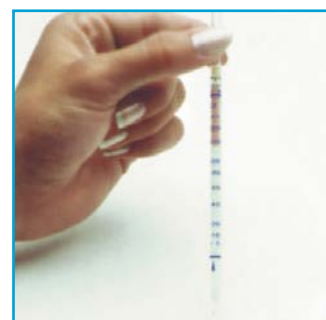


### Step 4

Insert the glass titrator tube all the way into the metal snapper and break off each end.

### Step 5

Insert the titrator tube, arrow end down into the solution.



### Step 6

Wait approx 1 1/2 minutes or until the solution has wicked-up to the top of the titrator tube. The cotton at the top of the tube will change colour (amber) when fully saturated.

### Step 7

Remove tube – read the number (ppm chloride) at the white/pink interface.

**Approximately 80% of all premature coating failures are caused by**



# Is your substrate free of Salt?

prior to coating can cause premature coating failure!

## TEST YOUR SUBSTRATE FOR SALT

**Always check your substrate surface for salt prior to coating.**

**The substrate should be clean and free from contaminants before any coating application is considered.**

Research has proven that there is a critical need to carefully check blasted surfaces for chloride contamination before applying coatings.

The blasting process or cross contamination can cause unacceptable levels of chloride to be present on the substrate. Just prior to coating, it is at this stage that a final check for chloride levels is absolutely necessary. Too late, too expensive and too bad if you don't!

### How does the substrate become contaminated?

There are two main reasons why this happens. If the blasting media being used has a high concentration of chlorides, then it can be deposited or embedded on a surface or the surface is contaminated by the environment.

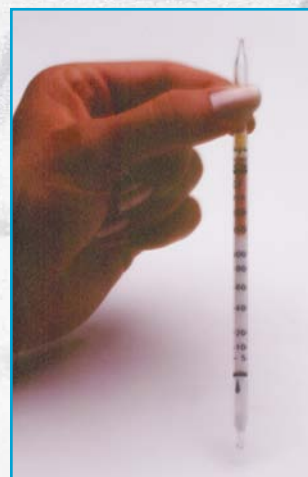
For instance, in a marine environment, it can be expected that it would be a commonly occurring problem.

Blastmaster's Chlor\*Test™ chloride ion field test kit allows you to give a quick and easy check for chloride levels PRIOR to coating. All done at the work site.

**Chlor\*Test™ – The revolutionary new method for testing chloride contaminants on substrates is the most accurate field test on the market today – call Blastmaster and order your Chlor\*Test™ Kit today!**



The Chlor\*Test™ kit



The glass titrator tube gives a clear reading with two units of measurement.



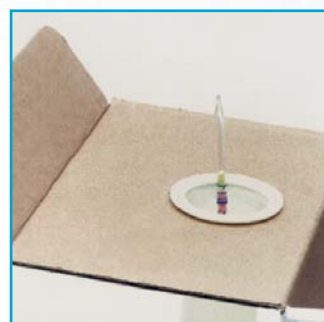
### Step 1

Empty the entire contents of the Chlor\*Extract™ container into the Chlor\*Sleeve™. Peel off the protective backing, pinch the sleeve to expel some of the air and adhere the sleeve to the surface to be tested.



### Step 2

Massage the extract against the surface, then peel the sleeve off the surface and place it in the perforated hole in the box lid.



### Step 3

Snap the sealed ends off the glass titrator tube, insert it into the sleeve and down into the extract. In approximately two minutes, read the colour change to identify the chloride level in both parts per million and micrograms per centimetre squared, the ratio is 1:1.

**chlorides and sulphates left on the substrate surface prior to coating.**

# Blastmaster is offering a Surface Preparation Guide Booklet to you absolutely free!

**\$86 Value** – use this guide to compare classes of blast. This valuable tool will be an asset to you and your company.

**Available NOW!** Blastmaster is pleased to offer you a Surface Preparation Guide Booklet – **FREE!**

Features include:

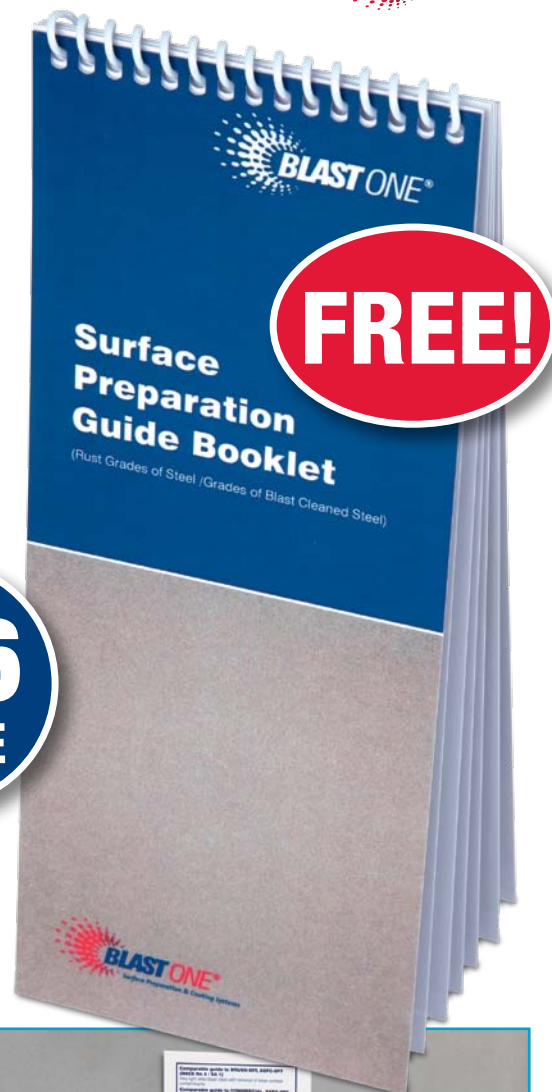
- Quality images which show the degree of blast cleaned steel
- Ideal for training purposes
- Indication of what a customer requires and is likely to expect
- Ideal for discussions with the Coatings Inspector
- A section with technical tips which is a handy reference tool
- Weather resistant hard plastic pages with a flip format
- Compact enough to fit in your pocket to take it to the job.

**Make no mistake, this is a first** – a real product to be used in the office and out on the job!

Blastmaster is committed to supporting the Blasting and Painting Industry.



*Take it with you on site and use it with your customers anywhere.*



*Compare the Class of Blast with the Surface Preparation Guide Booklet.*

**Order NOW!** Blastmaster is waiting for your call.

**If you haven't already received an order form, phone Blastmaster to find out how to get a FREE Surface Preparation Guide Booklet – 1800 882 229.**



## ARMEX, the safe and mild alternative.....

### Pipe and Valve maintenance in the Oil and Gas industry can be a real headache!

**The Petroleum Industry has an ongoing problem with the inspection of pipes and valves.**

With the unforgiving weather conditions associated with this industry, bad maintenance or lack of it, can become a major headache for the maintenance crews. This is why people in this industry are constantly looking for ways to improve the cost and efficiency associated with this perpetual problem.

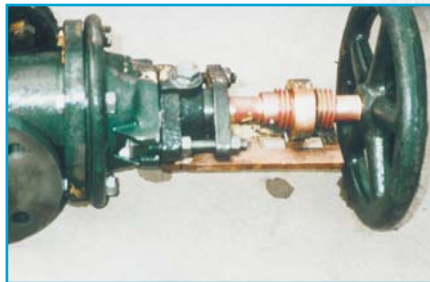
For convenience, the Oil and Gas industry is situated out at sea or indeed, close to it. Whilst convenient for shipping etc, the downside is the fierce conditions which constantly cause corrosion that is caused by salty atmospheres.

Maintenance and upkeep of pipes and valves means a massive cost to the end product, including downtime. Think **smart**, forget that masking process, forget replacement and forget that messy clean up.

How? With **ARMEX** blast cleaning – a **non-sparking**, non-destructive process that removes corrosion, but respects engineered parts such as threads, welds, nomenclature tags, dissimilar metals – even glass faced gauges! No flash rusting or rush to put primers on. Using approximately 30-40 kgs media use per blasting hour, there is virtually no mess to clean up either. If you need your valves to work better and last longer, consider using **ARMEX** – it is the right gear for this type of work.



*Valve prior to cleaning.*



*Valve after blasting with ARMEX Bi-Carb. Back in service in no time, no masking and little downtime!*



*High exposure to the elements means maintenance becomes a high priority.*

### Location of structural weld failure found quickly and safely

**Non Destructive Testing detected a crack on a critical part of a ship's structure which supported a fuel tank.**

A ship's inspection during an overnight stay in Melbourne showed a possible structural weld failure to a cross member support frame supporting an overhead fuel tank. Repairing a structural weld can be a serious task, especially when it's on an in-service Fuel Supply Ship and it's considered structurally critical.

In this environment, conventional surface cleaning methods that induced sparks and 'closed' cracks were ruled out by the ship's engineers. A professional contractor advised the ship's engineers that the **Armex Bi-Carb Blast System** from Blastmaster would be the best option.

An ARMEX system was quickly located, and within minutes without masking or mess, this water soluble, non-sparking blasting system had removed the Hi-Build epoxy paint coating, exposing the cracked weld for temporary repair – **and all between tides!**



*Weld failure covered in grime – impossible to locate the cracked weld.*



*Exposing the welds without changing the condition of the surface – the crack is visible.*

**Call Blastmaster for more information on ARMEX Solutions – 1800 882 229.**

# Keep your cool with a Cooling Air Tube

## HALF PRICE!

### New stock at a staggering 50% off!

This rugged, compact design with serviceable components cools you down while you're blasting – just when you need it!

More than 20% cooler inside the helmet, you will be able to concentrate on the job at hand. The Cooling Air Tube is lightweight which reduces fatigue and very quiet. Each unit includes a belt and buckle and is comfortable to wear all day due to good ergonomic design.

Blastmaster's Cooling Air Tube is approved to worldwide standards and is recognised as one of the most efficient cooling air tubes around. It's a small price to pay for cool comfort – even a smaller price to pay with the 50% deal on offer for March/April only.

**Phone Blastmaster today to take full advantage of this generous offer – 1800 882 229.**



*A compact unit built for your comfort*



*Keep cool – with a Cooling Air Tube*



**\$144**

Case of 6  
Order No NW952

### Sqwincher 2 Litre Concentrate Electrolyte Replacement Drink

- One 2L bottle of concentrate makes up 20L
- Caffeine free and low in salt
- Various flavours.

## Can we help you?

Need parts fast? Help to understand Industry Regulations? Can't find the correct spare parts?

Call the Blastmaster Customer Service Team! This team of Sales Engineers have been extensively trained to help you and are waiting for your call.

They will go **out of their way** to help you solve your problems fast!

**When you purchase from Blastmaster – good service is always included in the deal.**

Blastmaster Customer Service.

**Phone 1800 882 229.**

SALES SERVICE RENTAL



**\$99 ea.**

Normally \$120  
Order No NW458

### Hi-Vis Personal Cooling Vest

- Dip in water at the start of the day and keeps you cool for up to four hours
- Keeps your workers comfortable, productive and safe.



**\$99 ea.**

Order No NX436

### Stoko UV Sunscreen with Wall Dispenser

- SPF 30+ Broad Spectrum Sunscreen
- Non-breakable mirror
- Includes 2 x 1 Litre Bottles and Free Dispenser.



**Have you got our NEW CATALOGUE?**

**Blastmaster Catalogue – FREE \$125 VALUE**

This is an absolutely must-have that features over 250 new products, money saving ideas and easy ordering for over 3000 items.

Call Blastmaster on 1800 882 229 for your FREE copy.

**30 DAY MONEY BACK GUARANTEE ON ALL PRODUCTS!**

**\*All prices exclude GST and freight charges.**

Offers available until 30th April 2012 or while stocks last.  
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