

Company Profile



Abrasive Blasting Service & Supplies Pty Ltd

Enterprise

Design

Innovation



Abrasive Blasting Service & Supplies Pty Ltd

Our Vision

To be established as the Australian and New Zealand leader in Engineering Solutions to the Abrasive Blasting and Shot Peening Industries.

Our Mission

We are committed to assisting our customers with their requirements by providing them with a comprehensive, economical and engineered solution.

We are committed to providing a safe and pleasant work environment.

Through our Global Partner Network, we will continue to provide the best equipment and solutions available in the World today.





Abrasive Blasting Service & Supplies Pty Ltd

About Us

Abrasive Blasting Service & Supplies Pty Ltd (ABSS) was founded in 1989 after the Directors at the time recognised that there was an opportunity to manufacture Abrasive Blast Cleaning and Shot Peening Equipment here in Australia.

No longer did Australian Industry have to fit in with the overseas manufacturers standard, antiquated equipment. They now had a choice. They could now have their needs met by having a solution engineered and custom designed to suit the specific requirements, right here in Australia.

ABSS offer our customers ground breaking custom designed and innovatively engineered solutions.

ABSS quickly became a leader in the manufacture of Abrasive Blast Cleaning and Shot Peening Equipment in Australia. To this present day, ABSS continues to be an innovative supplier to the industry.

Our Commitment to the ever increasing Australasian Market is evident with our expanding Global Market Network which allows ABSS to continue to supply our valued clients the most up to date Abrasive Blasting and Shot Peening Equipment available in the World today.

At ABSS, our range of Australian Made equipment includes Abrasive Blast Cleaning Rooms, Airless Blast Turbine Wheel Machines, Abrasive Recovery Systems, Blasting Cabinets, Blast Pots, Mega Blast Vessels, Dustech Reverse Pulse Dust Collectors, Bucket Elevators, Screw Conveyors and Compressed Air Pre-Filter Systems.

Working closely with our Global Partner Network, we complement our Australian Made products with a range of Growell Turbine Airless Blast Systems, Mobile Dust Collectors and the latest innovative range of Wet Abrasive Blasting Systems that can use up to 75% less abrasive media. A full range of ancillary equipment from Blasting Helmets and Blast Hose to Metering Valves. We carry an extensive range of blasting media available including Garnet, Glass Bead, Plastic, Apricot Shell, Ceramic Bead, Steel Grit and Steel Shot. Mil Spec Media is available upon request.

ABSS is ready to give our customers the best solution and the best attention by listening to them and understanding their exact requirements. That is our commitment.

Contact us now to discuss your requirements.



Abrasive Blasting Service & Supplies Pty Ltd

Our People

What makes ABSS different? Quite simple, our People make the difference !!!

We employ the most experienced personnel in the design, engineering and manufacture of Abrasive Blast Cleaning, Shot Peening and Dust Collection equipment in Australia.

The many facets of our Team at ABSS include Drafting, Engineering, Service Technicians, Boiler Makers, Fitters and Turners, Welders, Accounts, Sales and Marketing people. Every person is as important as the next. The job descriptions may vary dramatically but we are all here working for the one common goal. To service our customers.

Our ongoing commitment to training our Team ensures that you are receiving the latest, the best and most accurate information.

Our friendly and enthusiastic Team understand that the needs and requirements of our clients differ and we cater for this. Whether it is the design of the system or the installation, we work with our clients to ensure the best outcome every time.



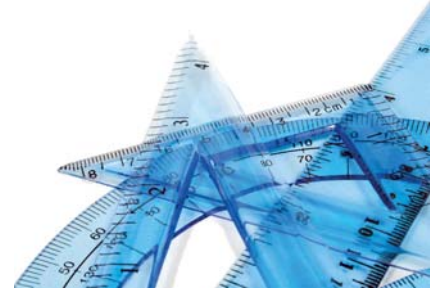


Abrasive Blasting Service & Supplies Pty Ltd

Our Capabilities

From the conception of an idea through to the manufacture, supply and installation of the system, ABSS closely control every step.

Our drafting and engineering people are experts in their field and endeavour to design the most economical and efficient systems without jeopardising the integrity of the final product.



ABSS utilises CAD software in the design stage supplying full conceptual drawings to the customer for approval prior to the manufacturing stage. The use of the CAD software has aided our quality control and manufacturing processes and has become a valuable tool.

We have a fully equipped Fabrication Workshop located in East Keilor, Victoria and this is well staffed by our many competent trades people each with various skill sets.

We have a dedicated demonstration area where we can Blast Clean customers products with either Air Blast or Turbine Blast. We encourage our customers to do the trial with us, using their own products so they can see first hand the results.

We can provide risk assessments and job safety analysis if needed for all our equipment in accordance with the relevant OHS legislation.





Abrasive Blasting Service & Supplies Pty Ltd

Abrasive Blasting Rooms

The core of any modern Blast System is the Abrasive Blast Room. Confining the Blasting operation to a controlled, clean environment enables effective recycling of the Abrasive Blasting Media. Recycling the Abrasive Blasting Media saves money both on the initial Media costs and subsequently the disposal costs.

Set up correctly, an Abrasive Blast Room can save you thousands of dollars.



ABSS offer a wide range of Custom Blast Rooms from Full Recovery systems to Partial Recovery systems. There are many configurations available and one to suit your requirement.

The ABSS "W" Module Section Floor offers a unique means of Abrasive Recovery without the need for any moving parts such as Shaker Floors, Screw Conveyors and Bucket Elevators. The Pneumatic conveying system in conjunction with the Abrasive Reclaimer "Air Washes" the Abrasive Media before re-Blasting occurs.

In addition to our purpose built Blast Room Facilities, we have included into our range the popular ABSS Container Blast Room. With no special foundations required, this complete Blast Facility is a low cost way to enter the Blast Cleaning market.

With a minimum of effort, the ABSS Container Room can be easily relocated making it the perfect on-site portable Blast Room.

The ABSS Container Blast Room utilises the "W" floor offering a Partial Recovery of the Abrasive Media ensuring that you are Blasting with clean Media and that you maintain a clear work area.





Abrasive Blasting Service & Supplies Pty Ltd

Airless Blasting Turbine Wheel Machines

ABSS specialise in the design and manufacture of a wide range of Turbine Blast Machines.

Turbine Blasting is a process where Abrasive Media is propelled from a specially designed wheel instead of the conventional method of compressed air through a nozzle.

Abrasive Media enters the centre section of the wheel and centrifugal force propels the media at velocity onto the substrate.



Available in a wide variety of styles, the ABSS range of Turbine Blasting systems are designed for high volume production requirements commonly associated with the Foundry, Structural Steel and General Engineering industry sectors.

The style of Turbine Machine you choose is determined by the substrate you wish to clean.

Our range of Turbone Blast Machines includes:

- Steel Section Cleaners
- Steel Plate Cleaners
- Steel Pipe Cleaners
- Clam Shell Machines
- Tumble Blast Machines
- Table Blast Machines
- Hanger Type Machines
- Combination Machines





Abrasive Blasting Service & Supplies Pty Ltd

Shot Peening

What is Shot Peening?

Shot Peening is the process of impacting spherical shot onto a surface substrate for the purpose of introducing a compressive layer below the surface to decrease the fatigue and cracking associated with metal finishing tensile stress.



How is this achieved?

The two methods that are typically used are:

- 1 - Airless Blast Turbine Wheel Machines
- 2 - Conventional Air Blasting

If you have a Shot Peening application or a Shot Peening problem, talk to our Technicians who will be more than happy to assist.

ABSS specialise in the design of custom Shot Peening Blasting Equipment. The solution may be an Airless Blast Turbine Wheel Machine, it may be a Robotic Air Blast System as pictured above for the Shot Peening of Aircraft Propellers.

ABSS understand Shot Peening and have worked closely with Electronics-Inc having our staff trained in all aspects of Shot Peening principles.





Abrasive Blasting Service & Supplies Pty Ltd

Abrasive Blast Pots

Abrasive Blast Pots are the heart of every Air Blast application. It is important that the correct Blast Pot is selected. At ABSS, we manufacture a complete range of Abrasive Grit Blast Pots. Sizes include 20 Litre, 40 Litre, 80 Litre, 140 Litre, 200 Litre. Amongst these, we have re-introduced into the range the 174 Litre Contractor Blast Pot. This now brings back the 600 Pound Blast Pot industry is familiar with.



All ABSS Blast Pots utilise Pneumatic Remote Controls so the unit can be de-activated in seconds, ceasing the Blasting operation and ensuring operator safety. Diaphragm style Exhaust Valve allows for instant de-pressurisation and are very reliable. Large Top Inspection Ports allow for changing the pop-up valve simple and easy. No longer do you have to battle with internal pipework. Long wearing urethane is used on the pop-up valve to ensure maximum life span. A wide range of Feed Valves are available from the Micro Valve to the Thompson II Valve.

For large Abrasive Blasting jobs, for remote locations, ABSS manufacture a range of Mega Blast Vessels. These Mega Units are purpose built to suit the customers exact requirements.

Consider your need for Air Preparation?
We can build a suitably sized unit into your system. Mega Pots are perfect for Multiple Blast Operators.

ABSS Mega Blast Vessels can be built to suit you and are available Skid Mounted or Trailer Mounted.





Abrasive Blasting Service & Supplies Pty Ltd

Abrasive Blasting Cabinets

It would be easier to consider Abrasive Blast Cleaning and Shot Peening from the single perspective of surface preparation.

ABSS believe that each function must be seen as a carefully fashioned part of the total plant operation system.

At ABSS, we strive to deliver each of our products with a distinctive, precise balance in engineering design.

Our engineering ensures that our customers are receiving the most advanced designs available today.

The ABSS range of Abrasive Blasting Cabinets offer a total solution to surface finishing. Whether on a production line or in a maintenance environment there is a system available.

We are proud to say that our range of Abrasive Blasting Cabinets are made right here in Australia. Available in Suction Blast and Pressure Blast options.



Custom Solutions

Do you have a special requirement? Does the product not fit into a standard Blasting Cabinet?

Not a problem with ABSS. We can custom build an Abrasive Blasting Cabinet to suit your requirements.

All of our Australian Made products are designed and drafted using CAD/Solidworks. This ensures that a high quality and accurately manufactured system is built everytime.

ABSS only use brand name components to complete the final product.



Abrasive Blasting Service & Supplies Pty Ltd

Dustech Dust Collectors



The ABSS Dustech range of Australian Made, Reverse Pulse Dust Collectors are manufactured in a wide range of capacities from 500cfm to 30,000cfm.

The ABSS Dustech Dust Collector is a reverse pulse style that uses a pulse-jet of compressed air to clean the cartridge filters.

This allows for an extremely high dust collection efficiency and a longer life expectancy for the cartridge filters.

All Dust Collectors are supplied with the Electronic Pulse Control Unit as standard.

High quality, fully balanced fans and motors are selected to suit each specific duty.



The ABSS Dustech Dust Collector uses pleated cartridge filter elements that are encased in an all metal rigid housing. These filters are typically double stacked inside the Dust Collector reducing the required amount of floor space by up to 40%.

With each Cartridge Filter containing 21 square metres of filtration area, a Dust Collector with 12 cartridges has 252 square metres of filtration area, nearly four times that of a conventional bag house Dust Collector.

In addition to the Dustech range of stand alone Dust Collectors, we have introduced the ABSS Entech range of Mobile Dust Collectors. The Entech range is available in many sizes and configurations from 2,000cfm to 60,000cfm. Available in Skid Mount, the 30,000cfm units and larger are also available in Trailer versions. Ask us for more detailed information.

Mobile Dust Collectors





Abrasive Blasting Service & Supplies Pty Ltd

Wet Abrasive Blasting Systems

ABSS are the exclusive Australian Distributor for the EcoQuip range of Wet Abrasive Blast Systems.

EcoQuip have developed a Wet Abrasive Blast System that's not only environmentally friendly but also highly effective, even when operating at pressures as low as 30 psi to as high as 130 psi.



At these pressures, a minimal media consumption of around 25-70 kgs per hour is achieved as well as lowering water usage to less than 1 litre per minute. Dust Suppression of over 90% can be accomplished in open-air blasting without the need for full containment.

Combine this with their new design features, improved performance and greater reliability and you have one of the most powerful, cost efficient solution to many of today's surface coating removal and preparation challenges.

EcoQuip's range of blasting systems are successfully being used in a variety of industries for a wide range of applications. The EQ200T and EQ400T are two of the most advanced, mobile, self contained surface preparation systems on the market today. The EQ300C and EQ600C are high production, high performance economical blast systems that utilise the customer's on-site air supply.





Abrasive Blasting Service & Supplies Pty Ltd

Air Preparation Equipment

Compressed Air Pre-Filter Systems

The ABSS Pre-Filter System offers a unique means of cooling Compressed Air with a most efficient moisture collection system. This has some outstanding advantages when compared with other Pre-Filter systems on the market. The ABSS unit is robust and fully transportable for use in the Abrasive Blasting, Mining and Construction industries. Compressed Air enters a Pre-Filter for removal of particles before entering the After-Cooler, which lowers the temperature of the Air. The Compressed Air then passes through a Stainless Steel Coalescer and Media Bed to remove and collect the moisture content even further. The Compressed Air is then passed through the holding vessel and piped into the distribution manifold. The collected moisture is drained via a manual Ball Valve located at the base of the holding vessel.

The ABSS systems comply to Australian Standards AS1210-1997 Pressure Vessel Code.



Air Driven Fans

ABSS have included a Compressed Air Driven Fan. This unit is rated at 7000cfm and uses only a small amount of Compressed Air to power the system. By turning the unit around, the ABSS Air Driven Fan can be used to pull out dust and fumes or just use the system normally as a blower. Robust in design and manufactured from steel plate. These units are typically used where high volume air movement is required.



Abrasive Blasting Service & Supplies Pty Ltd

Abrasive Blasting Media

ABSS import a wide variety of quality blasting media. What ever your requirements, we have a quality media to suit your application.

We are Australian distributors for such companies as The Wheelabrator Allevar Group supplying their range of IKK Siam Steel Abrasives. We are proud to be affiliated with the largest supplier of Steel Abrasives in the world today.



Carbon Steel Shot



Ceramic Media



Steel Grit

Products in our range include:

- Carbon Steel Shot S780-S70
- Steel Grit G14-G120 HG, LG and SG
- Garnet Sand Media
- Glass Bead Media
- Cut Wire Carbon
- Plastic Media
- Aluminium Oxide Media



Cut Wire

Specialty Abrasive Media include:

- Stainless Steel Shot
- Stainless Steel Grit
- Stainless Steel Cut Wire
- Mil Spec Plastic Media
- Apricot Shell
- Ceramic Media



Garnet Sand



Plastic Media

Industries Serviced include:

- Structural Steel
- Foundries
- Aviation
- Engineering
- Defence Manufacturing
- Industrial Springs
- Automotive
- Granite Cutting
- Ship Building
- Mould Cleaning



Glass Bead



Aluminium Oxide



Abrasive Blasting Service & Supplies Pty Ltd

Specialists in Engineering Solutions for the
Abrasive Blasting and Shot Peening Industries.

Abrasive Blast Rooms
Airless Turbine Blast Machines
Shot Peening Equipment
Abrasive Recovery Systems
Abrasive Blast Pots
Abrasive Blasting Cabinets
Dustech Dust Collectors
Mobile Dust Collectors
EcoQuip Wet Blasting Systems
Air Preparation Equipment
Air Driven Fans
Screw Conveyors
Bucket Elevators
Shot Peening Control Products
Magnavalve Media Control Valves
Abrasive Media
Blast Helmets
Blast Hose
Blast Nozzles
Metering Valves

RUST NEVER SLEEPS



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