ACTON®
FINISHING

we redefine

Blasting Cabinets

We offer a range of Shot Blast Systems to help our customers achieve the surface finish they need. We can cater to all your application requirements including descaling, removal of corrosion and scale, paint stripping, deflashing, shot peening and surface preparation prior to coating. We will offer you full support every step of the way.

we redefine:

- Vibratory Finishing
- High Energy Finishing
- Shot Blasting
- Consumables
- Precision Polishing
- Subcontract Services

Why Choose Us?

We're a family run business that pride ourselves on working as a strong, unified team of specialists.

We believe in British

Born in the United Kingdom, we are unique in our product design and the manufacture of our specialist machines and consumables.

We're here for you

Being based in the heart of the country means we have easy access to all of our clients.

We have experience

With five decades of experience and knowledge in the finishing industry, we know what works for you.

We provide options

We have an impressive range of media and compounds to choose from, including one of the best polishing compounds in the market. We also provide a wide range of machinery and subcontract services to meet all of your needs.

We go the extra mile

We'll tailor our services to your needs, not the other way round. Our service is all about you.

Table of Contents

ActOn Finishing Ltd | sales@acton-finishing.co.uk | www.acton-finishing.co.uk

Shot Blasting Applications

We offer a range of Shot Blast Systems to help our customers achieve the surface finish they need every time. Whether you require to descale, remove corrosion, mill scale, paint or rust, achieve a smooth finish, deflash, polish or strengthen the metal we will offer you full support every step of the way.

Before

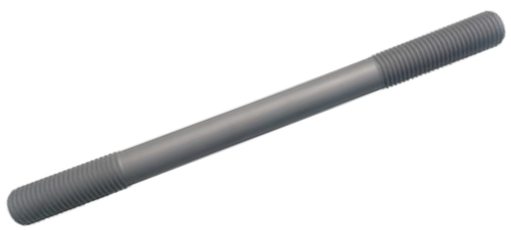
After

Before

After

Before

After

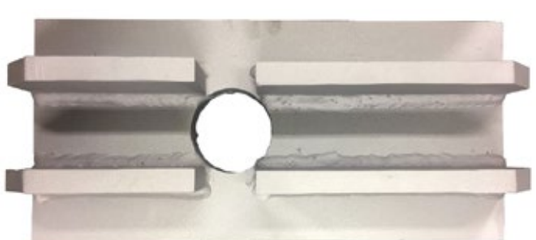


Before

After

Before

After



Before

After

Mobile Blasting Systems

Our Mobile Blasting Series includes 3 models: Powertrack Junior, Powertrack and a Mobile Blast Room. These blasting machines will offer the perfect balance between productivity and portability. Some of the main advantages of the Mobile Blasting Series include:

- Are designed for a wide range of applications, including metal and stone finishing.
- Very economical and easy to operate.
- Easy to move.

ActOn Powertrack Junior

ActOn Powertrack Junior has been designed to allow customer to easily blast in different locations. This blasting machine works on the pressure tank principle and is connected to compressed air and 230V electricity and delivers you mobile, dust-free blasting on a lower budget. The Powertrack Junior is perfect for blasting work in stonemasonry, shipyards and maintenance services.

How it works?

Switch on the blasting machine and set up the blasting pressure. Place the brush head on the surface that needs to be blasted. Through the manual switch start the blasting process. Abrasive, dust and pollution is sucked directly from the blasting head via the suction hose. The dust continues to the vacuum cleaner, the abrasive flows through a sieve into the bunker and is reused.

Click here to request a quotation today!

Key Benefits & Features

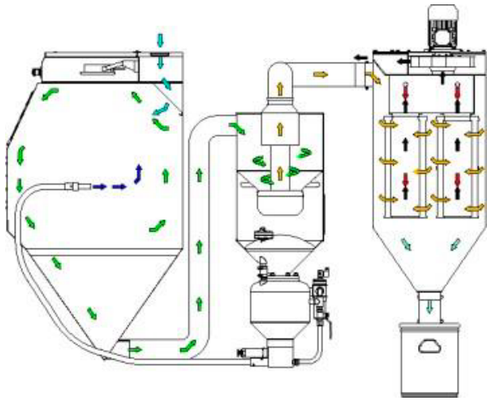
- For metal and stone blasting applications.
- All components are assembled into one compact unit.
- The suction blast head consists of blast nozzle, head with brush and handle.
- Length of the hose set is 4 meters.
- Different brushes are available.
- Suitable for blasting inside and outside corners.
- Dust-free blasting process.
- The blast vessel is equipped with an automatic pressure relief valve.

	Powertrack Junior
Overall Dimensions in mm/inch (L x W x H)	906 x 579 x 1294 / 35.6 x 22.8 x 51
Boron carbide blast nozzle	ø 4 mm
Vacuum cleaner power	Max 1,6 kW
Vacuum cleaner capacity	150 m^3/h
Vacuum cleaner under pressure	120 mBar (= 30 kPa)
Power Supply	230V/50Hz
Air consumption at 3 bar and 4 mm nozzle	± 500 lt./min
Connecting pressure	4-5 bar, max 10 bar
Approx cabin weight in kg	65
Colours powder coating	Safire blue (= RAL 5003)

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications. Dimensions are subject to change due to design improvements.

ActOn Powertrack

ActOn Powertrack is a mobile and economical pressure blasting solution. This blasting machine can be used with different types of fine-grained media. The ergonomic design and the application of advanced components in a compact construction guarantees a perfect system. The effective blast head and efficient abrasive cleaning ensure optimum abrasive efficiency.



Key Benefits & Features

- All components are assembled into one compact unit.
- Ergonomic design.
- Blasting media can be reused.
- PLC controled.
- Complete with cyclone, extraction and automatic filter cleaning.
- Dust-free blasting process.
- The suction blast head includes the blast nozzle, head with brush and handle.
- Available with aluminium head for blasting surfaces and stone head for engraving stone
- Length of the hose set is 5 meters.
- Different brushes are available.
- Suitable for blasting inside and outside corners.
- The cyclone ensures perfect blast media cleaning and a constant operating mixture.
- The cyclone is equipped with a wear resistance lining.

How it works?

Switch on the blasting machine and set up the blasting pressure. Place the brush head on the surface that needs to be blasted and turn on the gun safety switch. The abrasive is blasted onto the product and directly extracted through the brush head. The large-sized filter ensures that the emission remains well below the NER guidelines. Partly due to the automatic filter cleaning, maintenance is very limited and manufactured for long, trouble-free use. This results in dust-free blasting, without the use of a cabin. By reusing the blast abrasives, this pressure blasting unit delivers a high efficiency of the blasting medium and saves the costs.

	Powertrack
Overall Dimensions in mm/inch (L x W x H)	1413 x 1026 x 1810 / 55.6 x 40.4 x 71.3
Boron carbide blast nozzle	ø 6,3 mm (stone head) or 8 mm (aluminium head)
Filter cartridges (polyester, M-class)	2 filter cartridges of 4 m^2 (=8 m^2)
Capacity ventilator	310 m^3/h (3 kW)
Dust emission	< 1,8 mg/ Nm^3
Power Supply	3 x 400V, 50 Hz, earth and zero
Total power consumption	3,2 kW
Connecting pressure	± 3.000 lt./min
Approx cabin weight in kg	350
Colours powder coating	Safire blue (= RAL 5003)

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications.
Dimensions are subject to change due to design improvements.

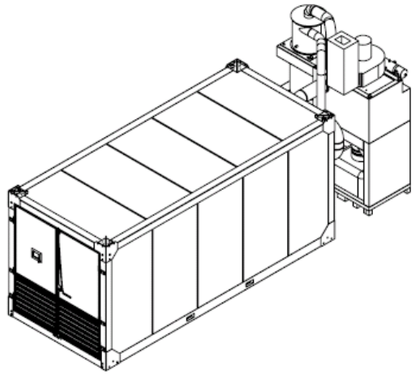
ActOn Mobile Blast Room

The ActOn Mobile Blast Room includes a mobile shot blasting container and the LP2500 unit. The system is fully integrated with a blast vessel, media reclaim system with cyclone and a filter with automatic filter cleaning. The entire unit can be easily transported with standard transportation. After a quick installation, you can start blasting without the need for additional structures.

How it works?

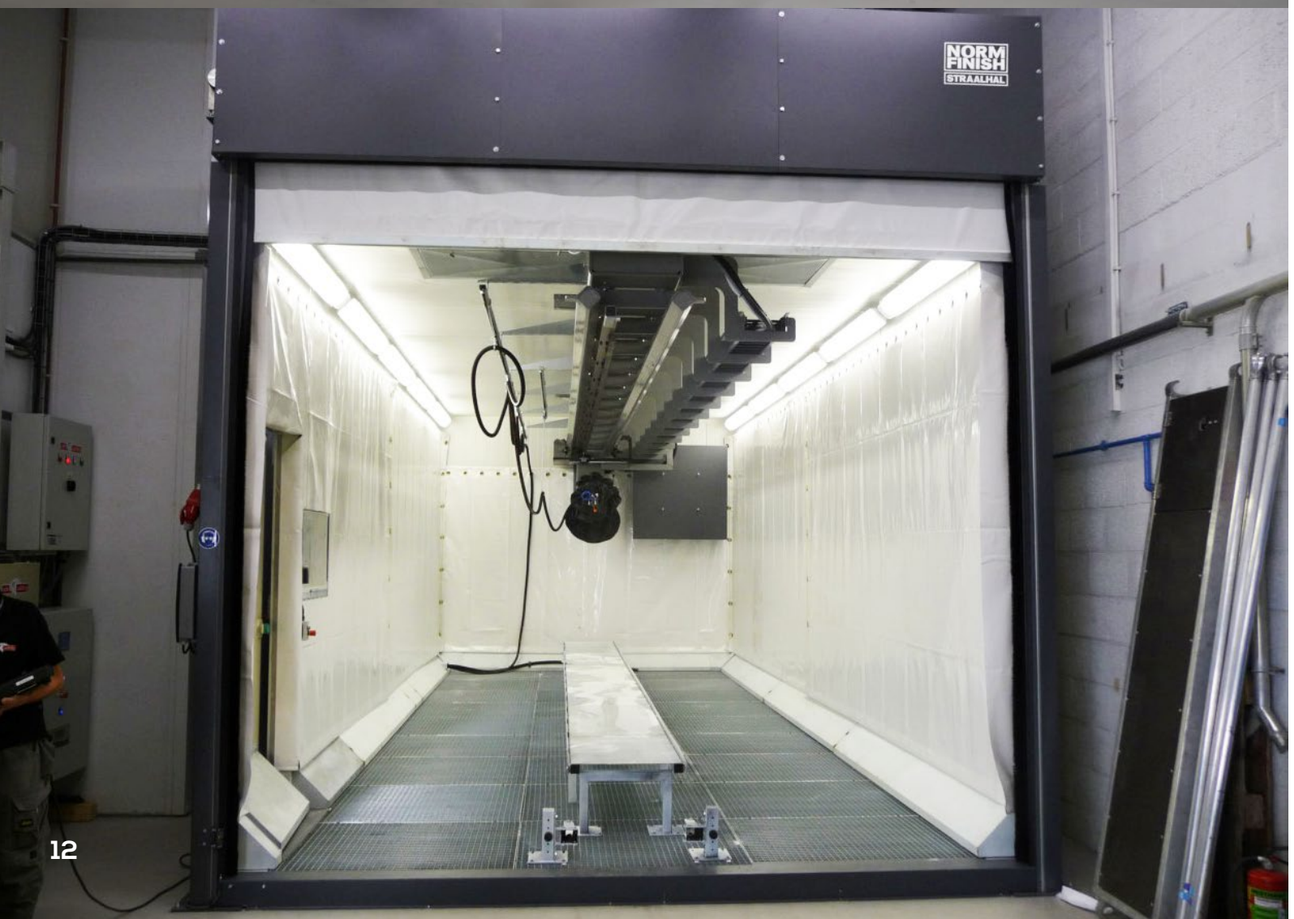
After the system is switched on the blasting can start with a dead man's switch on the blast nozzle. The pop-up in the blast vessel closes, the dosage valve is opened and the blasting starts. Dust is sucked out of the blast room. After blasting the system is switched to media recuperation. The dust and contamination is removed from the blasting media in the cyclone. Dust is removed in the filter. Dust collection is in a sealed dust bin. The filter is cleaned automatically via reverse air pulses.

Key Benefits & Features



- Easily transported with standard transportation.
- Rapid installation, making immediate blasting possible.
- The blast room is set up with a flat steel floor, suction pit, PVC protective lining, lighting and air cleaning system.
- The walls of the blast room are made of sandwich panels to reduce noise.
- Blast room can also be equipped with extra access door, rubbing plate and scraper floor. (optional)
- The cyclone ensures perfect blast media cleaning and a constant operating mixture.
- The cyclone top is inside lined with wear resistant Linatex.
- Integrated filter unit with mid pressure ventilator, five filter cartridges and pressure vessel with automatic cartridge cleaning.
- PLC controlled.

Click here to request a quotation today!



Technical Information

LP2500 Blasting Unit

External dimensions in mm/inch (L x W x H)	2400 x 1350 x 3480 **/** 55.6 x 40.4 x 71.3
Filter cartridges (polyester)	5 filter cartridges of 13 m^2 (=65 m^2)
Capacity ventilator	2500 m^3/h – 2500 Pa (5,5 kW)
Dust emission	< 2 mg/ Nm^3
Membrane valves for cartridge cleaning	3 pieces 24 V – 1 inch
Pneumatic connection	1.1/4 inch supply tubing
Connecting pressure	6 - 10 bar
Blast nozzle (1 at choice included)	Type 6S32 (ø 6 mm) Type 8S32 (ø 8 mm) Type 10S32 (ø 10 mm)
Blast hose	1", 12 m included
Suction hose	ø 150 mm PU heavy duty, 5 m included
Power Supply	3 x 400V, 50 Hz, earth and zero, 32A
Total power consumption	7 kW
Approx. unit weight in kg	1100
Colours powder coating	Dark grey (=RAL 7015)

Blast Container

	External dimensions in mm/inch (L x W x H)	Internal dimensions in mm/inch (L x W x H)	Weight in kg	Lighting LED
10 Feet Container	3480 x 2480 x 2720 **/** 137 x 97.6 x 107	2940 x 2170 x 2360 **/** 115.7 x 85.4 x 92.9	1700	3 x 53W
20 Feet Container	6480 x 2480 x 2720 **/** 255.1 x 97.6 x 107	5940 x 2170 x 2360 **/** 233.8 x 85.4 x 92.9	2200	5 x 53W
6*3*3 m Container	6200 x 3360 x 3200 **/** 244 x 132.2 x 126	5630 x 3020 x 2850 **/** 221.6 x 118.8 x 112.2	2900	5 x 53W
12*3*3 m Container	12200 x 3360 x 3200 **/** 480.3 x 132.2 x 126	11630 x 3020 x 2850 **/** 457.8 x 118.8 x 112.2	4500	7 x 53W

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications.
Dimensions are subject to change due to design improvements.

ECO Blasting Systems

The ECO Blasting Series includes an economical range of Suction Blast and Pressure Blast machines. These machines have been designed to allow you to minimise your investment while enjoying the benefits of a good quality shot blasting machine.

Key Features and Benefits

- Rapid and efficient blasting.
- Blasting process free of interruption.
- Permanent visibility due to optimal circulation of air and dust filtering.
- Solid construction.
- Comfortable arm holes.
- Good dust sealing.
- Large viewing window.
- Loading via large doors.
- Adjustable blast pressure.
- Filtercartridge.

ECO MI04 Blasting System

ECO MI04 Blasting System with cyclone and filter room

Cabinet - inside view

Click here to contact us for a Free Finishing Trial today!

ECO MI Series

ECO MI is a professional and compact Suction Blast cabinet built to achieve a rapid and efficient finish.

	ECO MI 02	ECO MI 03	ECO MI 04
Blast Chamber Dimensions in mm/inch (W x D x H)	790 x 790 x 850 / 31.1 x 31.1 x 33.5	1100 x 800 x 850 / 43.3 x 31.5 x 33.5	1105 x 795 x 875 / 43.5 x 31.3 x 34.4
Overall Dimensions in mm/inch (W x D x H)	925 x 1240 x 1980 / 36.4 x 48.8 x 77.9	1250 x 1280 x 1925 / 49.2 x 50.4 x 75.8	1225 x 1340 x 2095 / 48.2 x 52.7 x 82.5
Working Height in mm/inch	900 / 35.4	860 / 33.8	825 / 32.5
Door Opening in mm/inch (W x H)	690 x 750 / 27.2 x 29.5	750 x 745 / 29.5 x 29.3	695 x 745 / 27.3 x 29.3
Machine Weight in kg	220	260	360
Illumination	20 Watt LED	20 Watt LED	20 Watt LED
Maximum Load in kg	350	350	350
Filter cartridge	1 x 4m²	1 x 4m²	1 x 21m²
Power Supply	230V/50Hz/0.65 kW	230V/50Hz/0.65 kW	230V/50Hz/0.85 kW
Air Consumption	0,6-1,0 m³ at 6 bar	0,6-1,0 m³ at 6 bar	0,6-1,0 m³ at 6 bar

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications.
Dimensions are subject to change due to design improvements.

ECO MI02 Blasting System

ECO MI02 Blasting System with filter room

ECO Blasting System Turntable

ECO MP Series

ECO MP is a professional and compact Pressure Blast cabinet built to achieve a rapid and efficient finish.

	ECO MP 02	ECO MP 04
Blast Chamber Dimensions in mm/inch (W x D x H)	790 x 790 x 850 / 31.1 x 31.1 x 33.5	1105 x 795 x 875 / 43.5 x 31.3 x 34.4
Overall Dimensions in mm/inch (W x D x H)	925 x 1240 x 1980 / 36.4 x 48.8 x 77.9	1225 x 1340 x 2095 / 48.2 x 52.7 x 82.5
Door Opening in mm/inch (W x H)	690 x 750 / 27.2 x 295	695 x 745 / 27.3 x 29.3
Working Height in mm/inch	900 / 35.4	825 / 32.5
Approx. Machine Weight in kg	235	380
Illumination	20 Watt LED	20 Watt LED
Maximum Load in kg	350	350
Filter Cartridge	1 x 4m²	1 x 21m²
Power Supply	230V/50Hz/0,65 kW	230V/50Hz/0,85 kW
Air Consumption	±3,0 m³ at 4 bar	3,0 m³ at 4 bar

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications. Dimensions are subject to change due to design improvements.

ECO MP04 Blasting System

ECO MP04 Blasting System with cyclone and filter room

ECO MP02 Blasting System

ECO MP02 Blasting System with filter room

ECO MP04 Blasting System

Premium Blasting Systems

The Premium Blasting Series includes a range of Suction Blast, Wet Blast and Pressure Blast machines. These machines have been designed for blasters with high requirements when it comes to blasting results, user convenience, safety and environment. All components are assembled, according to ISO-certification, to create a compact turn-key unit.

DI Suction Blasting Cabinets

The DI Suction Blasting cabinets are equipped with a cyclone, which guarantees that the abrasive is cleaned perfectly. This results into less wear and better visibility. The suction blast pistol ensures, in combination with the mixing chamber, a constant optimum mix of pressurized air and abrasive, to offer an effective and efficient blasting process.

Key Features and Benefits

- Efficient powerful blasting.
- Blasting process free of interruption.
- Continuous clear view due to optimal circulation of air.
- Cabinet without foundations, compact construction.
- Efficient cleaning of abrasives by cyclone.

Filling hopper cyclone

Cabinet - inside view

DI12 Suction Blasting Cabinet

	DI 12	DI 14
Blast Chamber Dimensions in mm/inch (W x D x H)	1105 x 800 x 800 / 43.5 x 31.5 x 31.5	1370 x 940 x 830 / 53.9 x 37 x 32.6
Overall Dimensions in mm/inch (W x D x H)	1220 x 1275 x 2035 / 48 x 50.2 x 80.1	1485 x 1620 x 2191 / 58.4 x 63.7 x 86.3
Door Opening in mm/inch (W x H)	692 x 640 / 27.2 x 25.2	835 x 670 / 32.8 x 26.4
Working Height in mm/ inch	840 / 33.1	840 / 33.2
Approx. Machine Weight in kg	380	480
Illumination	1 x 20 Watt LED	1 x 20 Watt LED
Maximum Load in kg.	350	350
Filter Cartridge (polyester - class M)	1 x 4m²	2 x 4m²
Power Supply	230V/50Hz/0,85 kW	230V/50Hz/0,85 kW
Air Consumption at 6 bar and 8mm nozzle	±800 - 1000 lt./ min	±800 - 1000 lt./ min

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications. Dimensions are subject to change due to design improvements.

Click here to request a quotation today!

DI12 Suction Blasting Cabinet with cyclone and filter room

Pressure gauge for displaying system pressure

Door safety switches

Rotary basket with blast gun holder

DP Pressure Blasting Cabinets

The DP Pressure Blasting cabinets are equipped with a cyclone, which guarantees that the abrasive is cleaned perfectly. This results into less wear and better visibility. The pressure pot is equipped with a dosage cylinder which always ensures the right mix of abrasive and pressurized air. Also, the dosage cylinder controls a constant flow of an abrasive, even at the start of the blast process. This results in an effective and efficient blast process.

Key Features and Benefits

- Efficient powerful blasting.
- Blasting process free of interruption.
- Continuous clear view due to optimal circulation of air.
- Cabinet without foundations, compact construction.
- Efficient cleaning of abrasives by cyclone.
- Optimal blast media dosage with dosage valve.

	DP 12	DP 14	DP 17	DP 22
Blast Chamber Dimensions in mm/inch (W x D x H)	1170 x 940 x 885 / 46 x 37 x 34.8	1370 x 1040 x 940 / 53.9 x 40.9 x 37	1700 x 1400 x 1090 / 66.9 x 55.1 x 42.9	2200 x 1400 x 1090 / 86.6 x 55.1 x 42.9
Overall Dimensions in mm/inch (W x D x H)	1285 x 1520 x 2106 / 50.6 x 59.8 x 82.9	1485 x 1620 x 2191 / 58.4 x 63.7 x 86.3	1854 x 2073 x 2395 / 72.9 x 81.6 x 94.3	2350 x 2073 x 2395 / 92.5 x 81.6 x 94.3
Door Opening in mm/inch (W x H)	835 x 725 / 32.8 x 28.5	935 x 785 / 36.8 x 30.9	1265 x 925 / 49.8 x 36.4	1265 x 925 / 49.8 x 36.4
Working Height in mm/ inch	800 / 31.5	800 / 31.5	800 / 31.5	800 / 31.5
Approx. Machine Weight in kg	550	705	1180	1430
Illumination	1 x 50 W LED	1 x 50 W LED	2 x 50 W LED	2 x 50 W LED
Maximum load in kg.	500	500	1000	1000
Filter Cartridge	2 x 4m²	3 x 4m²	2 x 21m²	3 x 21m²
Power Supply	415V/50Hz/1.2kW	415V/50Hz/1.6kW	415V/50Hz/3.3kW	
Air Consumption	3000 liter/ min at 4 bar			

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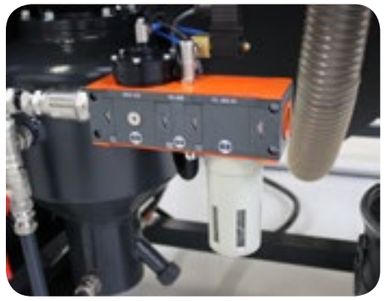
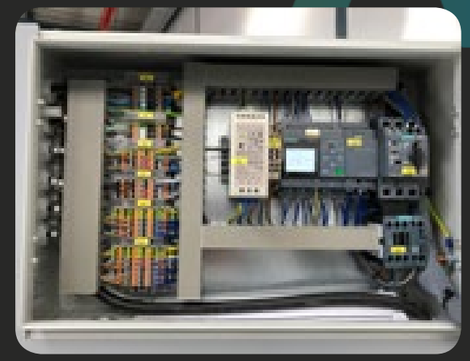


Filter regulator unit

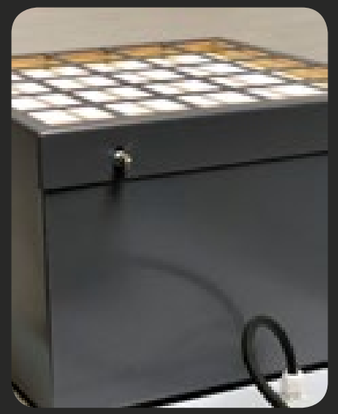
Easy to replace splash glass

Dosage valve

DP14 Pressure Blasting Cabinet



Logo-control with automatic fan stop



HEPA filter

DP14 Pressure Blasting System with cyclone and filter room

Dry Blasting Cabinets Optional Extras

ECO Blasting Systems

Optionals	MI02	MI03	MI04	MP02	MP04
Turntable for manual operation.	O	O	O	O	O
Complete conveyor system, with turntable for manual operation, dustproof central bearings			O		O
Blast gun support			O		O
Rubber lining back and door protection			O		O
Door tunnel to handle long parts. Includes PVC curtains & slide door.			O		O
Timer for automatic cleaning of the cartridge filter, electronically controlled.		O			

Premium Blasting Systems

Optionals	DI12	DI14	DP12	DP14	DP17	DP22
Stationary turntable.	O	O	O	O	O	O
Rail transport system outside the cabinet.	O	O	O	O	O	O
Ditto with a lorry with a maximum load of 1000 kg					O	O
Blast gun-support, to fix the nozzle in various positions	O	O	O	O	O	O
Wear resistant lining	O	O	O	O	O	O
Cyclone with removable lid & wear resistant linatex lining	O	O	O	O	O	O
Extra HEPA filter	O	O	O	O	O	O
Electrically driven basket / turn table	O	O	O	O	O	O
Door tunnels	O	O	O	O	O	O

Technical Differences Between ECO MP Range & Premium DP Range

ECO Blasting Systems	Premium Blasting Systems
Good quality blast cabinets	High end blast cabinets
Suction and pressure blasting	Very high quality
For regularly blasting	Suction and pressure blasting
Some options available	Suitable for continuous blasting
Not suitable for automaton	Wide range of options available
Not suitable for steel blast media and bigger sizes.	Suitable for automation
Good dust separation	Suitable for many types of blast media including steel media
	Very good dust separation

ECO MP Range	Premium DP Range
More simple dosage system	Very good dosage system
½" air supply	¾" air supply
Up to 8 mm blast nozzle	Up to 10 mm blast nozzle
Non adjustable cyclone	Adjustable cyclone
One filter cartridge	2 or 3 filter cartridges
Light steel construction	Heavy steel construction
Max load 250 kg	Max load 500 kg

Wet Blasting Cabinets

ActOn range of Wet Blasting Cabinets include the AWB & NP series, both designed to precision surface finish and for cleaning applications. The key advantage of our wet blasting cabinets is the ability to provide a gentler and more controlled surface finish compared to traditional dry blasting methods.

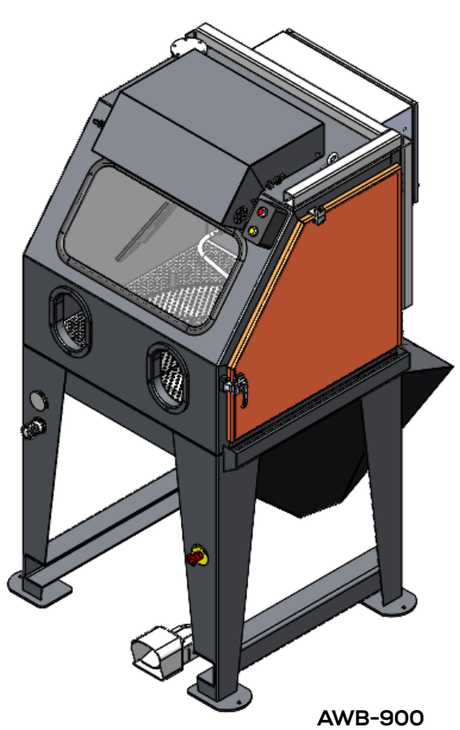
AWB Wet Blasting Cabinet

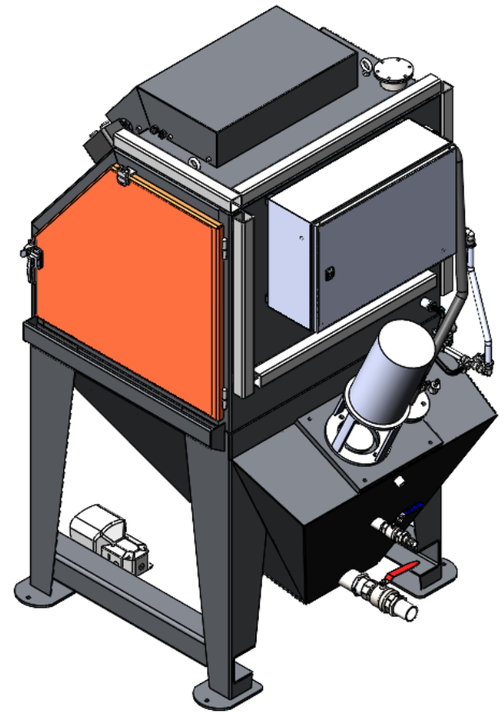
AWB is a wet blasting cabinet ergonomically designed for easy operation in sitting or standing position, for cleaning, descaling, deburring, roughening, oil or grease removal, die cleaning. This machine is suitable for blasting with all kinds of inert abrasives.

Key Features

- Stable cabinet, sturdily constructed of mainly SS sheet with sectional reinforcements.
- 1 large stainless steel swing door with seals, gutter and safety switch arrangement.
- In cabinet-top integrated LED lighting unit for optimum vision in the blast-chamber
- Angled full view, hardened glass security window, provided with electric wiper motor and wiper arm / wiper blade.
- Replaceable operator protective abrasive resistant full length rubber gloves.
- Glandless vertical polypropylene slurry pump with 3000 rpm electric motor.
- Pressure regulator to control air flow.
- Electrically operated foot pedal .
- Internal blast chamber lined with plastic sheets for protection.

AWB-1100





AWB-900

Technical Information

	AWB-900	AWB-1100	AWB-1500
Blast Chamber Dimensions in mm/inch (W x D x H)	900 x 840 x 800 / 35.4 x 33.1 x 31.5	1100 x 1000 x 800 / 43.4 x 39.4 x 31.5	1500 x 1400 x 1100 / 59 x 55.1 x 43.4
Overall Dimensions in mm/inch (W x D x H)	1078 x 1320 x 1930/ 42.2 x 53 x 76	1465 x 1700 x 1800 / 57.7 x 66.9 x 70.8	1600 x 1850 x 1930 / 63 x 72.8 x 76
Door Opening in mm/inch (W x H)	740 x 690 / 29.1 x 27.1	860 x 710 / 33.8 x 27.9	1200 x 950 / 47.2 x 37.4
Floor Working Height in mm/ inch	1195 / 47	1080 / 42.5	1195 / 27
Approx. Machine Weight in kg	350	370	430
Air Consumption	1.100-2.200 lt./min (8 mm nozzle), depending on adjustment of water pump and air injector.	1.100-2.200 lt./min (8 mm nozzle), depending on adjustment of water pump and air injector.	1.100-2.200 lt./min (8 mm nozzle), depending on adjustment of water pump and air injector
Power Supply	415V/ 50Hz	415V/ 50Hz	415V/ 50Hz

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications. Dimensions are subject to change due to design improvements.

NP Wet Blasting Cabinet

The NP Wet Blasting cabinets are equipped with a special pump that achieves a constant flow of blast media and water to the blast nozzle. The media and water is mixed with pressurized air to add extra power and speed to the mix. The result is a very smooth finished component. The water and abrasive are collected in a funnel, and the pump provides an agitation so that the abrasive continues to “float”.

NP Wet Blasting cabinets are perfect for applications such as cleaning, descaling, deburring, roughening, oil or grease removal, die cleaning as dimmensions are not affected, or to achieve a smoother surface in compliance with HACCP. These machines can be used with all kinds of inert abrasives.

Key Benefits

- Dust-free blast process.
- De-grease and blast in one process.
- Almost zero impression of the abrasive in the surface.

NP12 Wet Blasting Cabinet with cyclone and filter room

Technical Information

	NP 12
Blast Chamber Dimensions in mm/inch (W x D x H)	1100 x 940 x 820 / 43.4 x 37 x 32.3
Overall Dimensions in mm/inch (W x D x H)	1250 x 1360 x 1850 / 49.2 x 53.5 x 72.8
Door Opening in mm/inch (W x H)	830 x 720 / 32.6 x 28.3
Floor Working Height in mm/ inch	810 / 31.8
Approx. Machine Weight in kg	450
Air Consumption	1.100-2.200 literst./min (8 mm nozzle), depending on adjustment of water pump and air injector.
Power Supply	230V/ 50Hz

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications. Dimensions are subject to change due to design improvements.

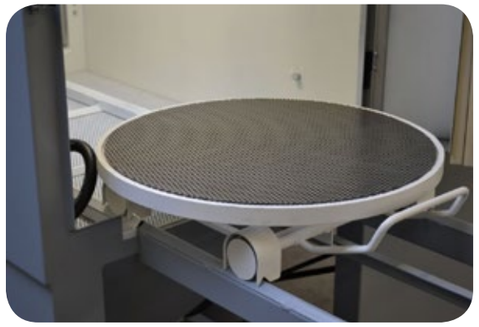
Click here to request a quotation today!

Wet Blasting Cabinets Optional Extras

The AWB-1100 is a wet blasting cabinet ergonomically designed for easy operation in sitting or standing position, for cleaning, descaling, deburring, roughening, oil or grease removal, die cleaning. This machine is suitable for blasting with all kinds of inert abrasives.

Rail Transport System

In situations where bulky items need processing, we recommend loading them in the blast cabinet using a rail transport system. At ACtOn we offer this capability across all wet blasting models, in both standard and custom load capacities as needed. The stainless steel rail transport system can be maneuvered outside of the chamber, loaded, and then wheeled back in. Additionally, in certain instances, the turntables can be connected to an electric drive within the cabinet for enhanced operator convenience. The rail includes a dripping plate to prevent water falling on the floor and its maximum load is 350 kg.



Fixed Turntable for Blast Chamber

A stainless steel stationary turntable within the cabinet facilitates effortless handling of the components for blasting. If necessary, these turntables can also be equipped with electrical gear-drive mechanisms. Typically, these can be manually operated for loads of up to 350kg.

Fixed Holder for Blast Gun

When dealing with small components, it's often more convenient to secure the gun into a holder, allowing the operator to easily manipulate the small part within the blast stream.

Wet Cyclonic Media Clarification

Wet cyclones are engineered to autonomously eliminate broken-down abrasive and sediment from the blasting process. Typically preferred for critical applications like aerospace, these cyclones ensure the removal of spent abrasive while maintaining the integrity of the finish, as the abrasive consistency remains constant throughout the process.

Closed Loop System

This system operates independently of a nearby mains water supply or drain. It includes a large sedimentation filter unit, which effectively filters the liquid, and utilises a heavy-duty air-operated diaphragm pump to recycle water for the rinse gun and window wash.

The closed-loop sedimentation tank features a set of specially designed containers with an overlapping feature. These containers are equipped with weirs to enable water cascading from one container to another, facilitating the settling of fine debris or broken abrasive particles. Cleaning of these containers is easily done individually, simplifying maintenance of the closed-loop system.

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Air-driven Pump

The wet blasting cabinets can be provided with an air-driven pump, designed to re-use the water from the settling tank for cleaning parts and rinsing the window.

Automatic Media Monitor

In situations where maintaining the integrity and consistent concentration of the abrasive is paramount, employing a media monitor proves advantageous. This tool allows operators to periodically assess the abrasive mix simply by pressing a button, ensuring reliability and accuracy.

Wet Blasting Cabinets Optional Extras

Wet Blasting Systems

Optionals	AWB 900	AWB 1100	AWB 1500	NP12
Air-driven pump in the settling tank to re-use the waste water for cleaning parts and rinsing the window	O	O	O	O
Rail transport system	O	O	O	O
Fixed turntable for blast chamber	O	O	O	O
Fixed holder for blast gun	O	O	O	
Wet cyclonic media clarification.	O	O	O	O
Closed loop system	O	O	O	
Automatic media monitor	O	O	O	

Wet Blasting Automated System

We designed this Automated Wet Blast machine for blasting of shafts prior to coating. The system consists of two blasting lines which can blast up to 70mm Ø shafts. Parts travel through the blast chamber and then enter the water wash chamber to remove any residue that may be on the components. The parts are then air dried before exiting.

Key Benefits

- Consistent finish across all parts.
- Fully automated system.
- Fast throughput rate.
- Programmable recipes.
- Adjustable settings including conveyor & pump speeds.
- British built high-quality blasting system.
- Efficient in operation.

AM Blasting Series

Both powder-based metal additive manufactured parts and polymer 3D printed components require post-processing to remove the residue left from the 3D printing process and achieve a smooth finish. At ActOn we offer the AM DI Blasting cabinets for finishing metal 3D printed parts; the AM Blasting Clean technology for the de-powdering 3D printed polymer parts; and the AM Blasting Smooth series which is perfect for achieving a homogenous & smooth surface finishing on additive manufactured polymer components.

AM DI Blasting Cabinets

The AM DI depowdering system is developped for manually cleaning of powder bed printed parts. Suitable for blasting of individual, large parts.

Key Features

- Manual blasting of 3D printed parts up to a load of max. 350 kg.
- Stationary turntable Ø 600 mm. (Optional)
- Equipped with a cyclone to remove dust and powder from the blast media.
- Linatex lining in cyclone. (Optional)
- Integrated ionisation (ATEX) unit ensures cleaner dust free products. (Optional)
- Also suitable for shotpeening, without any modifications.
- ATEX certified for processes class II 3/-D T125°
- Special preparation for unpacking metal printed parts s.a. titanium. (Optional)
- Automatic cartridge cleaning.
- Turn-key 1 unit.
- 2 side doors.
- Safety on doors.
- LED lighting
- HEPA filter (Optional).
- Ionisation (Optional).

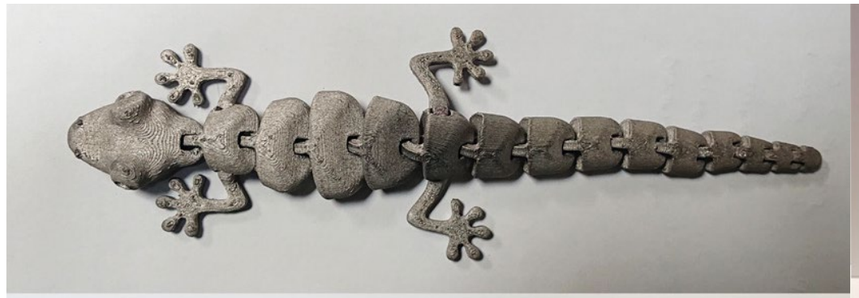
Key Benefits

- Easy to use and low maintenance costs.
- Reliable and repeatable finish each time.
- Easy load and unload of parts via the front door.
- Industry 4.0 Ready
- Solid proven industrial concept.

Technical Specifications

	DI 12	DI 14
Blast Chamber Dimensions in mm/inch (W x D x H)	1105 x 800 x 800 / 43.5 x 31.5 x 31.5	1370 x 940 x 830 / 53.9 x 37 x 32.6
Overall Dimensions in mm/inch (W x D x H)	1220 x 1275 x 2035 / 48 x 50.2 x 80.1	1485 x 1620 x 2191 / 58.4 x 63.7 x 86.3
Door Opening in mm/inch (W x H)	692 x 640 / 27.2 x 25.2	935 x 785 / 36.8 x 30.9
Working Height in mm/ inch	840 / 33.1	840 / 33.2
Approx. Machine Weight in kg	380	480
Illumination	1 x 20 Watt LED	1 x 20 Watt LED
Maximum Load in kg.	350	350
Filter Cartridge (Bia - class M)	1 x 4m²	2 x 4m²
Power Supply	230V/50Hz/0,85 kW	230V/50Hz/0,85 kW
Air Consumption	6,0 m³ at 6 bar	6,0 m³ at 6 bar

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications.
Dimensions are subject to change due to design improvements.



AM Blasting Clean Technology

The AM Blasting Clean Series includes 4 models: Excel, Solid, Smart and Samba. These machines are designed to de-powder the 3D printed parts using a glass bead media. De-powdering with this kind of abrasive media has the advantage of achieving a deep de-powdering of the product. You will reach into corners where a round shot will not get.

Raw Part » Clean Part » Smooth Part

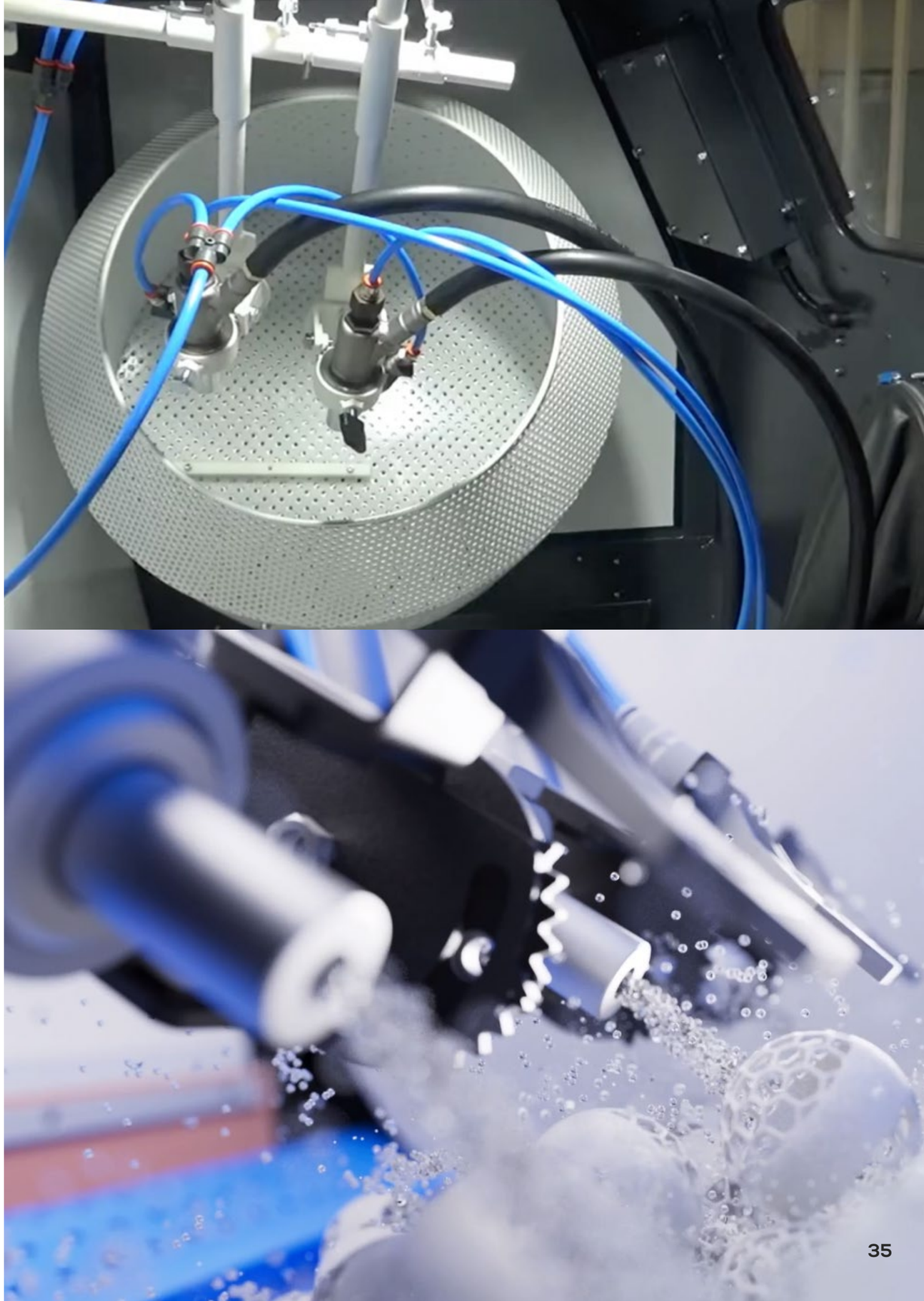
AM Blasting Smooth Technology

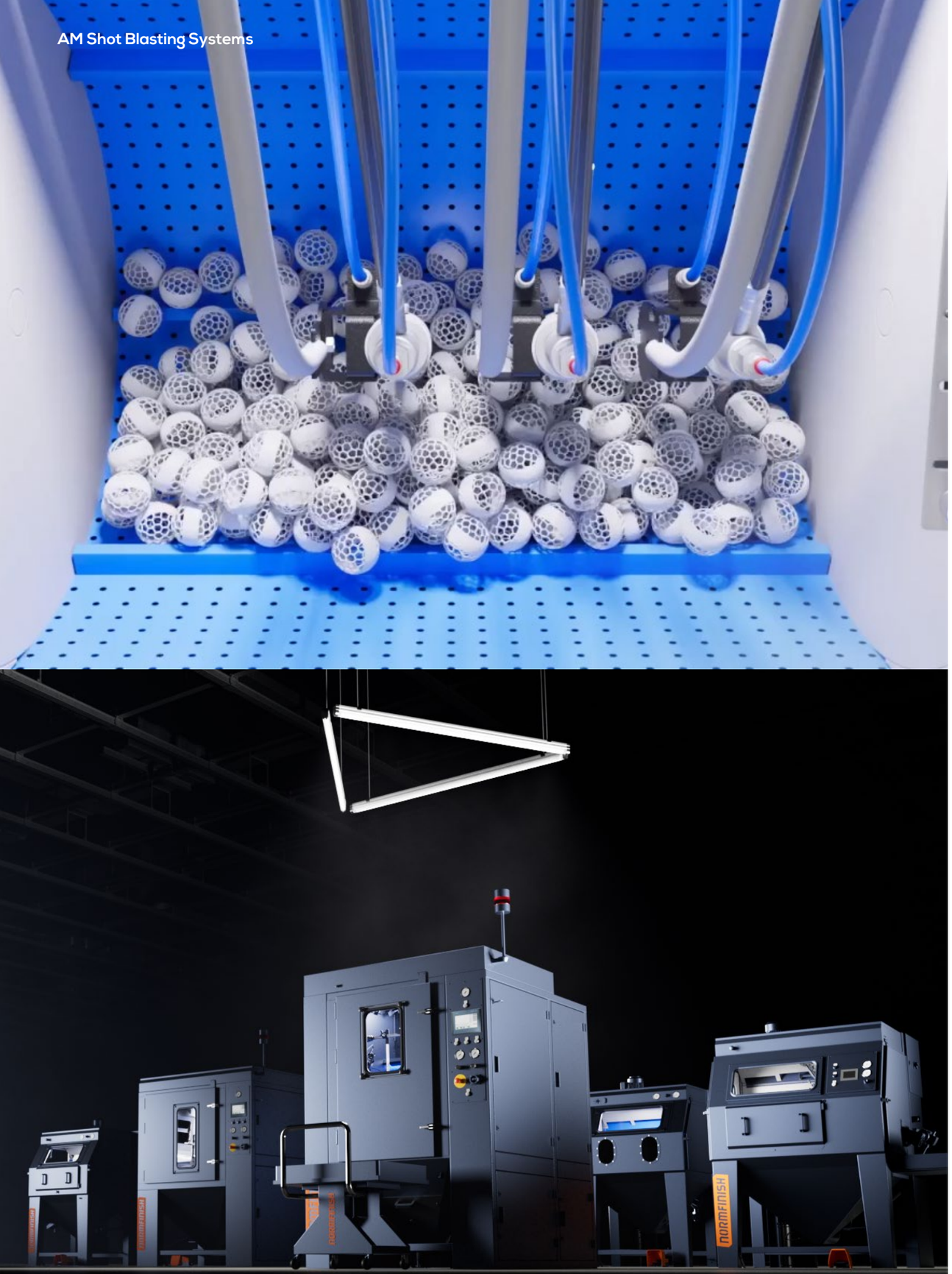
Like the Clean technology, the AM Blasting Smooth Series includes 4 models: Excel, Solid, Smart and Samba. These machines are designed to shoot peen the 3D printed parts using a round abrasive media. Further to this stage, component's surface is homogeneous, smooth and porosity is reduced. The shot peen treatment in particular improves the result of the subsequent coloring process.

before

after

Click here to request a Free Trial!





AM Blasting Excel Series

The AM Blasting Excel system is a perfect solution for processing big volumes of 3D printed parts, on a high frequent basis. This machine is PLC controlled and includes 20 different recipes.

Key Features and Benefits

- Guarantees process repeatability.
- Minimum reliance on operators
- Industry 4.0 Ready.
- Integrated ionization (ATEX) ensures cleaner dust free products.
- Automatic adjustable basket angle.
- 3D printed parts with different geometries can be processed.
- Easy load and unload via the front door.
- Media and dust stays inside the cabinet.
- Includes separate manual blasting station, equipped with 1 blast pistol
- ATEX certified for processes class II 3/-D T125°.
- PLC controlled.
- Up to 20L production capacity.
- Clean and Smooth Series available

AM Blasting Smart Series

The AM Blasting Smart series is suitable for blasting large print volumes on a regular basis. The large basket with 2 blasting nozzles enables series production of up to 30 L at a time. Automatic blasting system for blasting small/medium parts with an option for manual blasting of large parts.

Key Features and Benefits

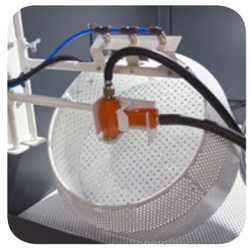
- PLC controlled.
- Integrated ionization (ATEX) unit ensures cleaner, dust free parts.
- Fixed basket angle.
- Loading and unloading outside cabinet.
- Integrated manual blasting.
- Equipped with a cyclone to remove dust & powder from the blast media.
- ATEX certified for processes class II 3/-D T125°
- Easy to use & low maintenance costs.
- Reliable and repeatable finish each time.
- Clean and Smooth Series available

AM Blasting Solid Series

The AM Blasting Solid Series is the entry-level model for automatic blasting of powder bed printed parts. Suitable for finishing small print volumes on a regular basis. This blasting installation blasts small parts automatically and has the possibility for manual blasting of large parts.

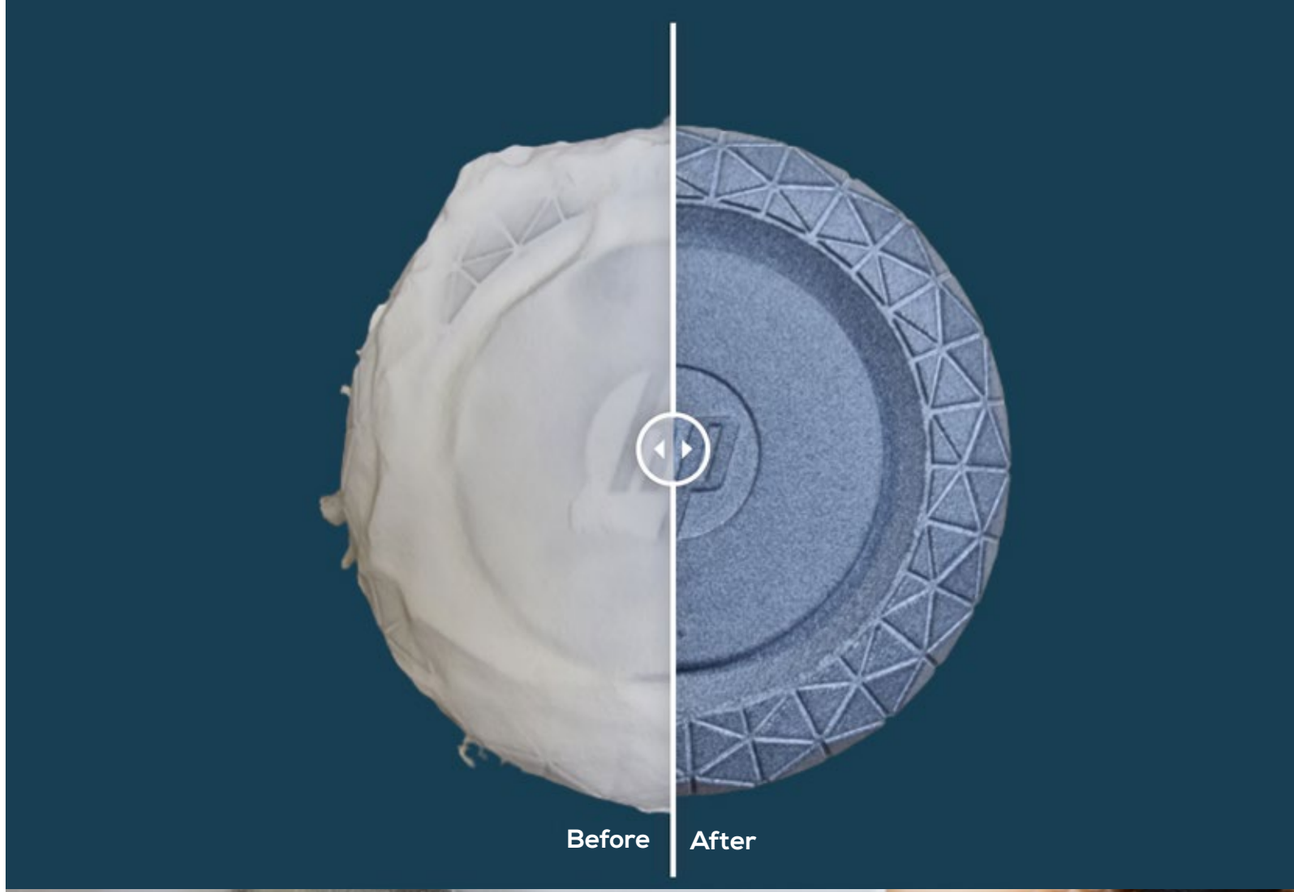
Key Features and Benefits

- PLC controlled.
- Up to a volume of 10 L
- Manually adjustable basket angle.
- Integrated manual blasting.
- Equipped with a cyclone to remove dust and powder from the blast media.
- ATEX certified for processes class II 3/-D T125°
- Easy to use and low maintenance costs.
- Reliable and repeatable finish each time.
- Clean and Smooth Series available



Clean Series

Smooth Series

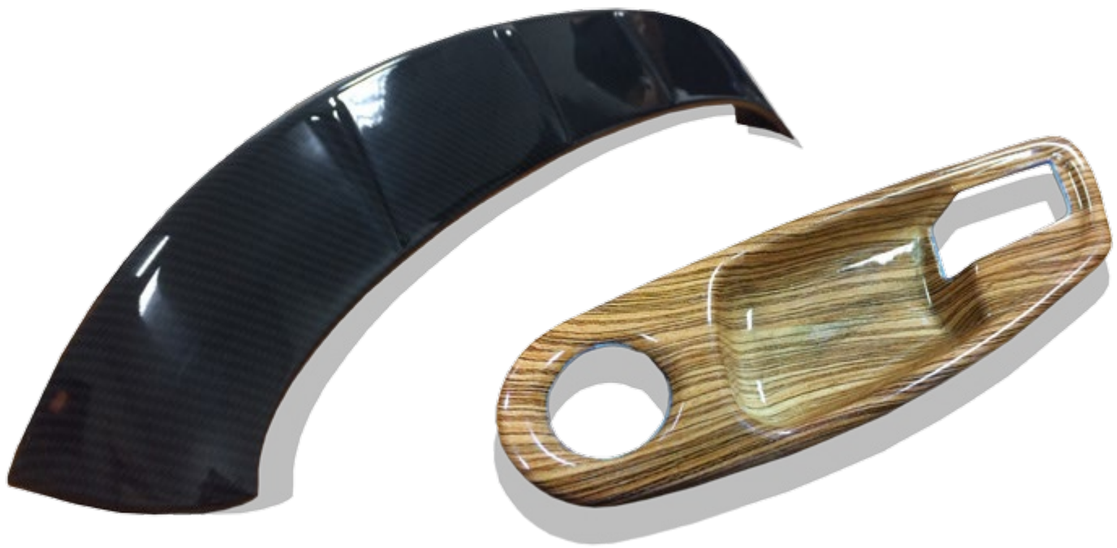


Ra Before: 13.25 µm

Ra After: 1.33 µm

Before

After



AM Blasting Samba Series

The AM Blasting Samba Series is an automated system designed to process large batches of small and large additive manufactured components. The PLC control makes it easy to set up the process parameters and includes up to 20 recipes.

Key Features and Benefits

- PLC controlled.
- Up to a volume of 50 L
- Includes 20 recipes
- Perfect for high volume production and large parts.
- Easy load and unload. Automatic load and unload (optional).
- Integrated ionization ensures cleaner dust free products.
- Blasting guns with boron carbide nozzles move oscillating for a full blasting pattern.
- ATEX certified for processes class II 3/-D T125°
- Option to carry out manual blasting
- Easy to use and low maintenance costs.
- Reliable and repeatable finish each time.
- Clean and Smooth Series available

AM Blasting Technical Information

	AM Blasting Solid	AM Blasting Smart	AM Blasting Excel	AM Blasting Samba
External dimensions, in mm/ inch (L x W x H)	1383 x 1348 x 2041 / 54.4 x 53.1 x 80.4	1626 x 1585 x 2206 / 64 x 62.4 x 86.8	1853 x 1686 x 2130 / 72.9 x 66.4 x 83.8	1617x 1734 x 2212 / 63.6 x 68.3 x 87
External dimensions including collection tray, in mm/ inch (L x W x H)	n/a	2182 x 1585 x 2206 / 85.9 x 62.4 x 86.8	n/a	n/a
Effective blast room, in mm/ inch (L x W x H)	1105 x 800 x 800 / 43.5 x 31.5 x 31.5	1320 x 939 x 1060/ 51.9 x 36.9 x 41.	1278 x 1051 x 1105 / 50.3 x 41.4 x 43.5	740 x 750 x 1095 / 29.1 x 29.5 x 43.1
Working height, in mm/ inch	840 / 33.1	725 / 28.5	853 / 33.6	987 / 38.8
Side door openings, in mm/ inch (W x H)	692 x 640 / 27.2 x 25.2	835 x 826 / 32.8 x 32.5	827 x 974 / 32.5 x 38.3	n/a
Front door openings, in mm/ inch (W x H)	n/a	n/a	1000 x 974 / 39.4 x 38.3	740 x 1074 / 29.1 x 42.3
View front window, in mm/ inch (W x H)	656 x 266 / 25.8 x 10.5	656 x 266 / 25.8 x 10.5	266 x 656 / 10.5 x 25.8	450 x 300 / 17.7 x 11.8
View side window, in mm/ inch (W x H)	450 x 300 / 17.7 x 11.8	450 x 300 / 17.7 x 11.8	656 x 266 / 25.8 x 10.5	n/a
Maximum load manual blasting in kg	350	350	Max 50 kg (only manual blasting area)	30
Basket/ Belt				
Dimensions, in mm/ inch	ø 450 x 210 / 17.7 x 8.3	ø 600 x 400 / 23.6 x 15.7	ø 500 x 320 / 19.7 x 12.6	Ø 590 x 740 / 23.2 x 29.1
Approx. volume (depends on size and geometry of products), in litres	10	30	20	50
Lining	PVC/ soft	PVC/ soft	PVC/ soft	PVC
Dividers	yes	yes	yes	yes
Maximum load, in kg	10	15	20	30
Blast guns	ø 6, 8 of 10 mm, at choice	Hardened blast guns with boron carbide nozzles (ø 8 mm)	Hardened blast guns with boron carbide nozzles (ø 8 mm)	Hardened blast guns with boron carbide nozzles (ø 8 mm)
Filter cartridges (polyester, M-class)	1 filter cartridge of 4 m²	2 filter cartridges of 4 m² each	2 filter cartridges of 4 m² each	2 filter cartridges of 4 m² each
Capacity ventilator	600 m³/h (0,75 kW)	800 m³/h (1,1 kW)	800 m³/h (1,1 kW)	800 m³/h (1,1 kW)
Dust emission	< 1,8 mg/ Nm³	< 1,8 mg/ Nm³	< 1,8 mg/ Nm³	< 1,8 mg/ Nm³
Atex classification	class II 3/-D T125°C	class II 3/-D T125°C	class II 3/-D T125°C	class II 3/-D T125°C
Lighting	LED light 20 Watt	LED light 50 Watt	LED light 50 Watt	LED light 50 Watt
Electrical connection	230 V, 50 Hz	3 x 400V, 50 Hz, earth and zero	3 x 400V, 50 Hz, earth and zero	3 x 400V, 50 Hz, earth and zero
Total power consumption	0,85 kW	1,3 kW	3,0 kW	3,0 kW
Colours powder coating	Anthracite grey (= Ral 7016)	Anthracite grey (= Ral 7016)	Anthracite grey (= Ral 7016)	Anthracite grey (= Ral 7016)
Cabin weight (complete)	± 380kg	± 570 kg	± 1.000 kg	± 1.400 kg (incl. trolley and tray)

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications.
Dimensions are subject to change due to design improvements.

NF Series
Sandblasting Cabinets

The NF range inlcudes the NF-MI9 and NF-MP9 sandblasting cabinets, specifically built for effortlessly sandblasting small components, for industries like aerospace, maintenance and more. With one hand holding the part and the other operating the sandblasting gun, the inclusion of forearm support enhances overall comfort during the finishing process. While the NF-MI9 cabinet has been designed for suction blasting, the NF-MP9 cabinet is perfect for pressure blasting applications.

The versatile design permits both standing and sitting sandblasting, contingent on the model chosen. Additionally, the height is adjustable to cater to individuals of varying statures.

If needed, the media recovery unit can be detached from the enclosure. This configuration enables the placement of this component behind a partition. The notable advantage lies in the separation of the cyclone filling and dustbin emptying processes, taking place in a distinct room. This arrangement contributes to a healthier and cleaner work environment.

Click here to request a Free Trial!

How it works?

The NF sandblasting cabinets have been designed to be easy to use:

- Component is placed in the cabinet through the left or right access door.
- The cabinet is moved to the proper working height.
- After closing the doors and adjusting of the blast pressure the foot pedal is operated.
- Exhaust fan and filter cleaning are started automatically.

For the NF-MP9 pressure blaster:

- The pop-up in the blast vessel closes, the dosage valve is opened and the blasting starts.
- Blast media, dust and contamination are sucked out of the blast chamber to the cyclone via the suction hose.
- The dust and contamination is removed from the blastingmedia in the cyclone.
- Dust is removed in the filter so that the exhausted air complies with NER.
- Dust collection is in a sealed dust bin.
- The filter is cleaned automatically via reverse air pulses.

For the NF-MI9 suction blaster:

- The blasting process is started.
- Blast media, dust and contamination are sucked out of the blast chamber to the cyclone via the suction hose.
- The dust and contamination is removed from the blasting media in the cyclone.
- Dust is removed in the filter so that the exhausted air complies with the NER. Dust collection is in a sealed dust bin.
- The filter is cleaned automatically via reverse air pulses.

Key Features and Benefits

- Ergonomic working height.
- Cabinet is assembled into one compact unit.
- Cabinet and the filter unit are equipped with wheels for easy repositioning.
- Doors with safety switches.
- Both doors are designed with a sandwich construction for a sturdy construction and perfect sealing.
- With separate media system with filter.
- Cyclone ensures perfect blast media cleaning and a constant operating mixture.
- Ventilator with high extraction rate installed for a good view in the blast room.
- Fully automatic cleaning of filters.
- Blast process stops immediately after the foot pedal is released.
- PLC controlled.
- HEPA filter with an emission of <0,1 mg/m available.
- Maximum load 150 kg.
- Includes 20 recipes
- Perfect for small parts.
- Easy load and unload.
- ATEX certified for processes class II 3/-D T125°
- Easy to use and low maintenance costs.
- Reliable and repeatable finish each time.
- Clean and Smooth Series available

NF Series Technical Specifications

Model	NF-MI9	NF-MP9
Machine dimensions in mm/ inch (L x W x H)	1010 x 830 x (1860 – 2060) 39.8 x 32.7 x (73.2 - 81)	1010 x 830 x (1860 – 2060) 39.8 x 32.7 x (73.2 - 81)
Blast room dimensions in mm/ inch (L x W x H)	900 x 700 x 750 35.4 x 27.5 x 29.5	900 x 700 x 750 35.4 x 27.5 x 29.5
Working height floor grating in mm/ inch	865 - 1065 34 - 42	865 - 1065 34 - 42
Door openings - 2 parts in mm/ inch (W x H)	600 x 680 23.6 x 26.7	600 x 680 23.6 x 26.7
View window in mm/ inch (W x H)	450 x 300 17.7 x 11.8	450 x 300 17.7 x 11.8
Maximum load (kg)	150	150
Blast nozzle	Sisic ø 6, 8 of 10 mm, at choice	Boron carbide ø 6, 8 of 10 mm, at choice
Dimensions filter unit in mm/ inch (L x W x H)	1350 x 630 x 2150 53.1 x 24.8 x 84.6	1350 x 630 x 2150 53.1 x 24.8 x 84.6
Filter cartridges (polyester, Mclass)	2 filter cartridges of 4 m^2 (=8 m^2)	2 filter cartridges of 4 m^2 (=8 m^2)
Capacity ventilator	800 m^3/h (1,1 kW)	800 m^3/h (1,1 kW)
Dust emission	< 1.8 mg/ Nm^3	< 1.8 mg/ Nm^3
Lighting	LED light, 50 Watt	LED light, 50 Watt
Electrical connection	3 x 400V, 50 Hz, earth and zero	3 x 400V, 50 Hz, earth and zero
Power	1.2 kW	1.2 kW
Cabin weight	approx. 700 kg	approx. 750 kg

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications
Dimensions are subject to change due to design improvements.

DLyte® eBlast
Electro Blasting Surface Finishing

The DLyte® eBlast uses the electro blasting technology. The process involves pressurised solid-electrolyte particles propelled by a non-conductive liquid media which is applied to component surfaces for various cleaning or finishing effects.

The DLyte® eBlast improves the surface finish and achieves a mirror finish on components with complex geometries.

How it works?

Electro blasting uses a jet of fluid, made out of a non-conductive liquid and free solid polymer particles, to remove roughness from the metal surfaces. As particles contact the surface selectively on roughness peaks, only those peaks get electrochemically eroded, producing an overall polishing effect.

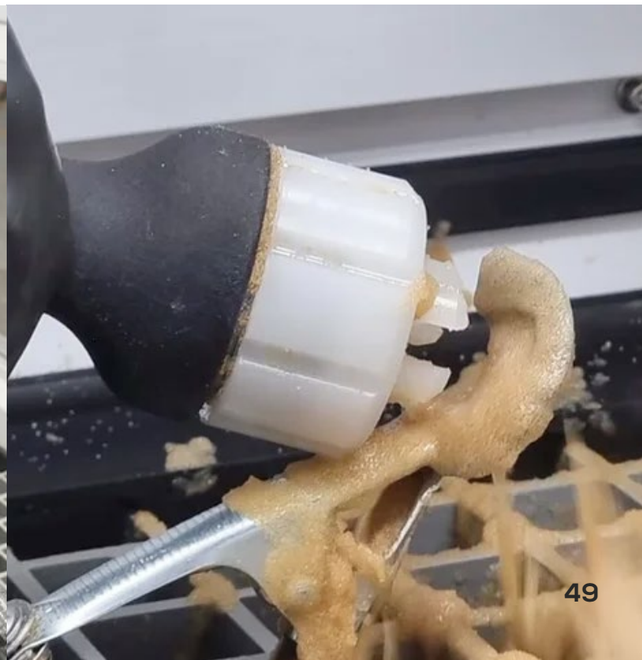
The equipment can also surface finish automatically in two different ways:

- Via the collaborative robot it processes the required areas. This feature is useful for complex, large and heavy pieces.
- For multiple small components, the drum can be used to mass finish these without any fixturing.

Key Benefits

- Perfect for surface finishing parts with intricate shapes.
- Large and heavy components can be processed, without the need of motion.
- No marks and pitting on the surface of the parts, as the liquid forms a protective layer on the surface.
- Even components with holes, slots and inner channels can be surface finished.
- As there are no vibrations or mechanical forces used during the process, the DLyte® eBlast can be used for delicate and fragile parts.
- Achieves an Ra under 0,01 micrometers in a short time.
- Includes the benfits of the DryLyte technology.
- Offers a clean, non-hazardous and easy waste management process.

Click here to request a quotation today!



DLyte® eBlast Technical Specifications

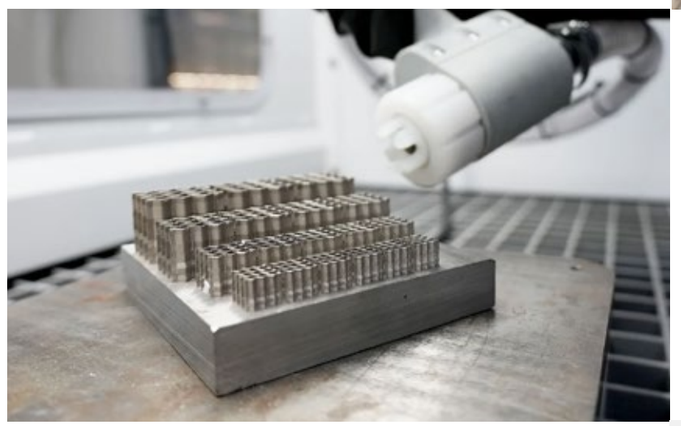
Model	DLyte® eBlast
Machine dimensions in mm/ inch	2040 x 1210 x 2130 80.3 x 47.3 x 83.8
Window dimensions in mm/ inch	1450 x 600 57 x 23.6
Approx machine weight (kg)	1000
Electrolyte capacity	70 l
Component volume in mm/ inch	1000 x 500 x 500 39.4 x 19.7 x 19.7
Component Weight (kg)	200
Power	7.78 kW
Voltage	230 V
Max air pressure	5 bar
Max air consumption	300 l / min

Sizes indicated above are standard. Custom sizes can be manufactured to suit specific applications
Dimensions are subject to change due to design improvements.

Finishing Applications

Molds

Via the eBlast technology you can: mirror finish, achieve a smooth finish and surface finish to your specifications the molds. This machine can process from small to large and heavy molds; and parts with cavites, slots or difficult to reach areas.

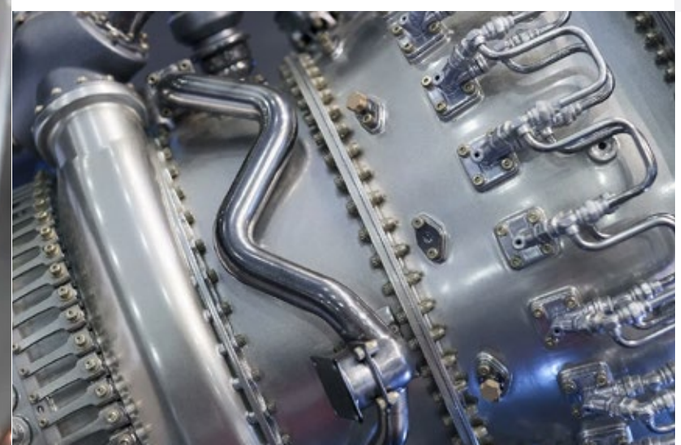


Welded Parts

Parts get a chrome-like finish without high costs and environmental disadvantages. Components are naturally passivated, resistance to corrosion improves, and the material layers are not stressed or disturbed.

Cavities & Inner Channels

Delicate and fragile parts can be finished without being harmed as the process does not use vibration nor strong mechanical forces. As the media stream has low pressure, pieces can be electrically connected without any fixturing.



Complex Geometries

Because the media stream is focused towards the targeted area from a very short distance and the surface is protected from pitting, a homogenous finish is achieved on components wit complex geometries. Moreover straight inner channels, with open angles & a minimum diameter of 20 mm can be effectively polished.

Automated Blasting Cabinets

Automated blastig cabinets reduce manual handling and ensure a consistent process. Our automated systems are operator friendly, and can be custom built to suit your needs. Whether you require to deburr, descale, remove corrosion, mill scale, paint or rust, achieve a smooth finish, deflash, polish, shot peening or remove powder from components of diferent sizes we will offer you full support every step of the way.

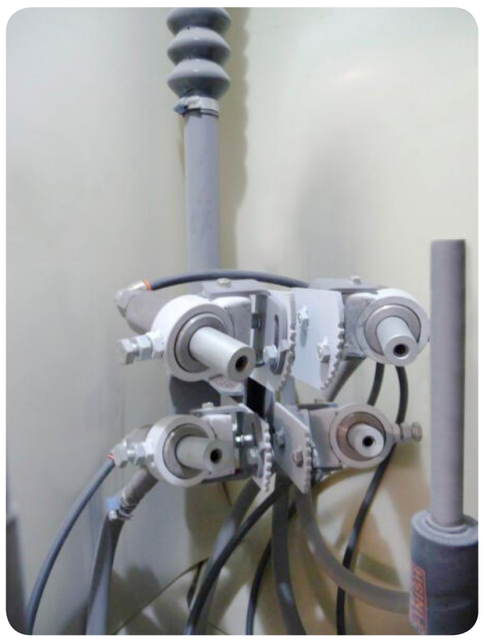
Satellite Blasting Cabinets

The Satellite Blasting Cabinets have been built to allow you to process complex parts. On of the main advantages of this system is the fact that components do not come into contact, hense any possible part damages is avioded.

These cabinets are perfect for applications such as die cleaning, removing rolling skin from forged parts, fine blasting, and polishing.

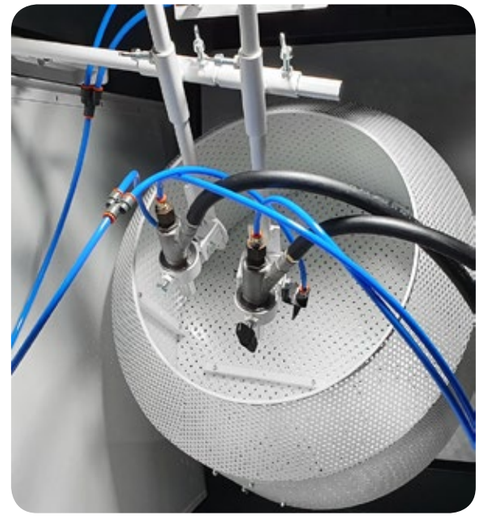
Key Features

- Available in various specifications.
- Integrated table with multiple satellites in one system, hence parts are changed within the unit.
- Includes mobile table with satellites, making it possible for parts to be exchanged out side the unit.
- Continuous exchange of parts during the process.



Drum Blasting Cabinets

The Drum Blasting Cabinets have been built to allow you to process small parts. These machines are widely used in the 3D Printing industry. When blasting Aluminium, Titanium, PA or PP parts, an explosion-proof execution is necessary. This can consist of a cell wheel lock, rupture disk, non-return valve, flow control, Ex. motor and fan.



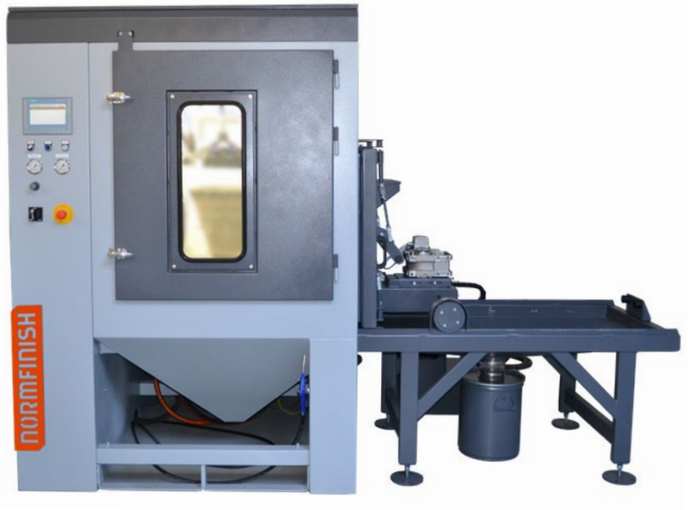
Transit Blasting Cabinets

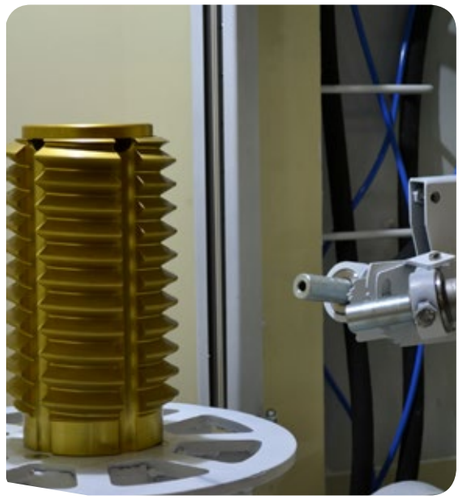
The Transit Blasting Cabinets have been designed to achieve a matt, deburred our rough finish. After parts are placed in the machine, the doors close. Components are then blasted by an oscillating movement of the nozzles (from front to back) and a stroke movement in the horizontal plane of the parts. The blasting can be carried out on top, bottom or both sides. Can be easily integrated with other production machines and it can blast as a batch system or a continuous system.

Turntable Blasting Cabinets

The Turntable Blasting cabinets are suitable for blasting bigger / heavier, often round components. Products are placed on a turntable and are blasted by the rotation of the table in combination with the oscillating nozzle movement. The turntable can be placed permanently in the cabinet. Or brought outside the cabinet with a transport system, so that loading using a crane/ forklift is possible

Finishing applications include deburring, cleaning, shot peening and roughening.





Internal Blasting Cabinets

The Internal Blasting Cabinets are suitable for the internal clean blasting of hollow components, such as gas cylinders, fire extinguishers, diving tanks, etc. After parts are placed inside the system, these are rotated and the nozzle makes an upward and downward movement, thus finishing the components.

Click here to request a quotation today!

Shot Peen Blast Installations

The blasting medium is sieved and it is optional possible to control the roundness. The dosage of the blasting medium can optionally be controlled. This can be carried out in all the above-mentioned blast cabinets.

Rollers and Tubes Blasting Cabinets

The Turntable Blasting cabinets are suitable for simultaneous blasting of pipes or other long round components. Finishing applications include cleaning, shot peening and roughening.

Key Features

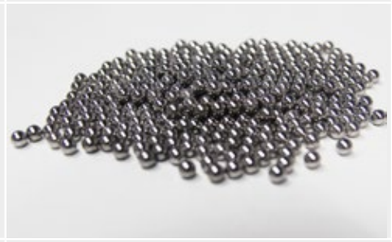
- Different designs can be developed
- Parts rotate and are transported through the installation during the blast process.
- Adjustable speed.

Shot Blasting and Peening Media

ActOn offers a wide range of Abrasive Consumables for shot blasting and peening processes. Selecting the right blasting media is essential and depends upon the condition of the material before blasting and the finish required after blasting.

Contact us to request your Quotation today!

For further dimensions and special types of media specific for your application, please contact our sales representatives.

	Material Name	Metallic Blasting Media			
		Steel Shot	Steel Grit	Stainless Steel Shot	Stainless Steel Grit
Abrasive Media Details	Description	Made out of durable carbon steel, it is great for cleaning, stripping, smoothing, polishing and improving a metal surface. Also, recommended for deburring or de-flashing castings and cleaning moulds.	An aggressive blasting media, used for removing any contamination from steel and foundry metals & to obtain an etched surface finish on components manufactured out of hard metals.	Made out of chrome-nickel stainless steel shot this abrasive media is used mainly for the treatment of non-ferrous metals and stainless steel parts. Approved by aerospace industry.	Made out of high chromium level of 30%, it is used as an alternative to corundum. This is a more stable operating mix and reduced abrasive consumption. Perfect for aerospace castings and wheel repair. Approved by aerospace industry.
Abrasive Media Picture					
Application Guide	Cleaning	○	○	○	○
	Satin Finish		○		
	Descaling / Derusting / Stripping	○	○	○	○
	Surface Improvement	○		○	○
	Etching		○		
	Roughening the Surface				
	Peening			○	○
	Grinding				
	Matt Finishing			○	○
	Edge Rounding				
	Prepare Surface Prior to Plainting, Coating, Painting			○	○
	Deburring / De-flashing			○	○
	Smooth Finishing	○		○	○
	Bright Finish / Polishing	○			
	Decorative Finishing / Glass Frosting				
Ferrous Material	Carbon Steel	○	○	○	
	Hardened Steel	○	○	○	
	Iron	○	○	○	○
	Stainless Steel	○	○	○	○
Non-ferrous Material	Aluminium				○
	Brass				○
	Ceramic				
	Copper				○
	Plastic				
	Titanium				○
	Stone				○
	Glass				

Shot Blasting and Peening Media

For further dimensions and special types of media specific for your application, please contact our sales representatives.

Contact us to request your Quotation today!

	Material Name	Metallic Blasting Media		Silicon Carbides	Bauxite
		Chilled Iron Grit	Cut Wire Shot		
Abrasive Media Details	Description	Recommended for quick cleaning, etching and roughening up hard surfaces. This is a hard abrasive media, suitable for blasting rooms.	Available in stainless steel, aluminium, copper, zinc and nickel version, this can be used for peening, cleaning & vibratory finishing.	Applications include cleaning, smoothing, satin finishing, removal of coatings, rust and oxides and deburring. This is a tough media that can be used both in the air and wet blasting process	A high-grade calcined media which is highly durable.Often used in road maintenance, furnace linings and floors cleaning. It is used on surfaces that require a high degree of non-slip capacity.
Abrasive Media Picture					
Application Guide	Cleaning	○	○		○
	Satin Finish				
	Descaling / Derusting / Stripping			○	○
	Surface Improvement				○
	Etching	○		○	○
	Roughening the Surface	○			
	Peening		○		○
	Grinding				○
	Matt Finishing				
	Edge Rounding			○	
	Prepare Surface Prior to Plainting, Coating, Painting	○			
	Deburring / De-flashing			○	
	Smooth Finishing				
	Bright Finish / Polishing				○
	Decorative Finishing / Glass Frosting				
Ferrous Material	Carbon Steel	○	○	○	○
	Hardened Steel	○	○	○	○
	Iron	○	○		
	Stainless Steel	○	○	○	○
Non-ferrous Material	Aluminium		○		○
	Brass		○		
	Ceramic		○	○	
	Copper		○		
	Plastic				○
	Titanium		○		
	Stone			○	○
	Glass			○	
	Wood				○

		Garnet	Polycarbonat Media	Nylon Media	Walnut Shell
Abrasive Media Details	Description	A natural mineral, offeres a cleaner application, with improved cutting performance, compatibility to non-ferrous metals and low tendency to embedment. Used extensively as a waterjet cutting media, this media is tested in accordance with ISO11126-10 and ISO11127-6 & 7 and is compliant with Rolls Royce CSS211 specification.	This is a specially formulated polycarbonate thermoplastic media. This media is extruded and pelletised into a cylinder shape in a range of sizes with exceptionally tight dimensional tolerances. Approved by aerospace industry.	A specially formulated polycarbonate thermoplastic media , with low dust levels. Widely used in aerospace, mould and tools and electronic industries.	Great for obtaining a clean, smooth, bright or satin finish. This media is a cost effective solution as it can be recycled. Glass beads are mainly used in the shot blasting cabinets
Abrasive Media Picture					
Application Guide	Cleaning	○	○	○	○
	Satin Finish				
	Descaling / Derusting / Stripping	○	○		
	Surface Improvement	○		○	
	Etching				
	Roughening the Surface				
	Peening	○	○		
	Grinding				
	Matt Finishing	○	○		
	Edge Rounding				
	Prepare Surface Prior to Plainting, Coating, Painting	○	○		○
	Deburring / De-flashing	○	○	○	○
	Smooth Finishing				
	Bright Finish / Polishing				
	Decorative Finishing / Glass Frosting				
Ferrous Material	Carbon Steel	○	○	○	○
	Hardened Steel		○	○	○
	Iron		○	○	○
	Stainless Steel	○	○	○	○
Non-ferrous Material	Aluminium	○	○	○	○
	Brass		○	○	
	Ceramic				
	Copper		○	○	
	Plastic		○	○	○
	Titanium		○	○	○
	Stone				
	Glass				
	Wood	○			

For further dimensions and special types of media specific for your application, please contact our sales representatives.

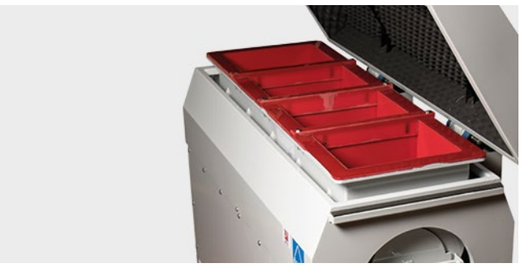
	Material Name	Glass Beads	Crushed Glass
Abrasive Media Details	Description	Great for obtaining a clean, smooth, bright or satin finish. This media is a cost effective solution as it can be recycled. Glass beads are mainly used in the shot blasting cabinets	A high-grade soda lime glass which has been crushed and graded into glass grit. Widely used in mold and tooling, aerospace, construction industries and road maintenance.
Abrasive Media Picture			
Application Guide	Cleaning	☐	☐
	Satin Finish	☐	☐
	Descaling / Derusting / Stripping	☐	☐
	Surface Improvement		
	Etching		
	Surface Roughening		
	Peening	☐	☐
	Grinding		
	Matt Finishing		☐
	Edge Rounding		
	Prepare Surface Prior to Plainting, Coating, Painting		
	Deburring / De-flashing		☐
	Smooth Finishing	☐	☐
	Bright Finish / Polishing	☐	
	Decorative Finishing / Glass Frosting	☐	☐
Ferrous Material	Carbon Steel		☐
	Hardened Steel		☐
	Iron		☐
	Stainless Steel	☐	☐
Non-ferrous Material	Aluminium	☐	☐
	Brass	☐	☐
	Ceramic		
	Copper	☐	☐
	Plastic		☐
	Titanium		
	Stone		
	Glass		
	Wood		☐

	Material Name	Brown, Pink and White Aluminium Oxide			Plastic Blast Media	Ceramic Beads
		Brown Aluminium Oxide	White Aluminium Oxide	Pink Aluminium Oxide		
Abrasive Media Details	Description	A fast cutting and tough media, widely used in the aerospace and automotive industry	Ideal for processes where no contamination is allowed, being used for finishing materials such as titanium, stainless steel, crystal glassware	Tougher than the white one being used both in wet and dry blasting process. Applications include removal of scale, paint, rust, hard deposits, cleaning, matte finishing, decorative finishing and glass frosting	For paint and coatings stripping from components made out of soft metals, plastic and composites. This media is widely used in aerospace & automotive industry for blasting applications.	Applications include cleaning, smoothing, satin finishing, removal of coatings, rust and oxides and deburring. This is a tough media that can be used both in the air and wet blasting process
Abrasive Media Picture						
Application Guide	Cleaning	○	○	○	○	○
	Satin Finish					○
	Descaling / Derusting / Stripping	○	○	○	○	○
	Surface Improvement					
	Etching	○	○			
	Roughening the Surface	○				
	Peening					○
	Grinding					
	Matt Finishing	○	○	○		
	Edge Rounding					
	Prepare Surface Prior to Plainting, Coating, Painting	○	○		○	
	Deburring / De-flashing	○	○			○
	Smooth Finishing					○
	Bright Finish / Polishing					
	Decorative Finishing / Glass Frosting			○		
Ferrous Material	Carbon Steel	○		○	○	○
	Hardened Steel	○		○	○	○
	Iron	○		○		
	Stainless Steel	○	○	○	○	○
Non-ferrous Material	Aluminium		○		○	○
	Brass				○	○
	Ceramic				○	
	Copper				○	○
	Plastic				○	
	Titanium		○		○	○
	Stone	○		○		
	Glass	○	○	○		

we manufacture

Bowls

Each of our Bowls are simple to operate, highly efficient, and manufactured in classic designs and sizes to meet your unique applications.

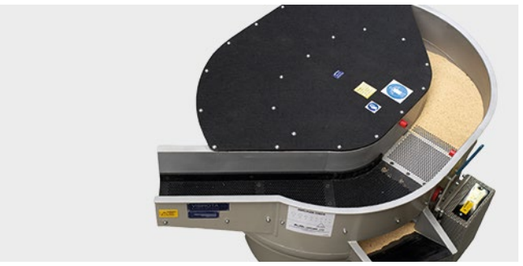


Troughs

We offer Troughs in many different sizes and an infinite choice of length and width combinations, making them one of our most versatile. These are particularly useful for larger components.

Duals

The orbital Dual finisher works to both deburr and dry in one single unit. This is both an excellent and economical finishing option.



Dryers

Our unique, elliptical-shaped Vibratory bowl drying machines are compact in size, and simple to operate. The design provides the flexibility to use it as an effective 1 lap drying process or a multi lap process. We also offer centrifugal dryers, conveyorised ovens and rotary dryers.

Wheel Polisher

Suitable for achieving a highly polished finish on wheels with different sizes (up to 610 mm), the AWP188 machine has been designed to be simple to operate and to produce excellent results. The wheel polisher is great for grinding, smoothing and polishing processes.

Centrifugal Disc Finishing

Centrifugal Disc finishing machines have been designed to be reliableand easy to operate. The spinning motion of the disc machine is given by the disc situated at the bottom of an open barrel. The rotating disc makes the media, compound and parts to move in a rolling motion, resulting in effective finishing process in the shortest time.

Centrifugal High Energy

Engineered with the latest technology, the drive mechanism is designed to produce high g-forces, resulting in shorter process times. This technology can be used for both wet and dry processes.

Waste Water Treatment

During the finishing operation, the effluent can be polluted with oil, media and metal fines. Our customers trust us to help select a waste water treatment system that complies with the industry's growing regulations. Once processed, the effluent is treated in the ActOn centrifuge system before being discharged to the drain or recycled.

Wheel Blasting Systems

At ActOn we now offer a range of Wheel Blast Systems to help you achieve the surface finish you need. We can cater to all your application requirements including descaling, removal of corrosion or rust, paint stripping, de-flashing, achieving a smooth finish, shot peening, polishing and surface preparation prior to coating.

DLyte Technology

DLyte Finishing Technology is a fully automatic finishing system which enables you to deburr, grind, surface finish & mirror polish in one step. It is used for metal parts which require high performance or superior finishes, including steel and stainless-steel, cobalt chrome, titanium, nickel and other common metal alloys.

Ultrasonic Cleaning Technology

The Ultrasonic Cleaning Machine is designed to clean, descale and strip a large range of components, from a range of industries such as automotive, aerospace, energy, electronics, food, graphics, jewellery, manufacturing, marine, mould cleaning, medical, optical and more. This technology includes a Standard Series, a Laboratory Series, the Ultrasonic Machines built for the Automotive Industry and Customised Ultrasonic Systems.

Subcontract Service

On top of our state-of-the-art machinery and media, we also supply a range of support & training services. Moreover, we'll tailor our services & products to your needs, not the other way around. Our finishing service is all about you.

We suit our Finishing Technology and Subcontract Services to cover your needs. From a proved surface finishing technology we will adapt it according to your requirement. Just contact us. We will do the rest.

Custom project development:

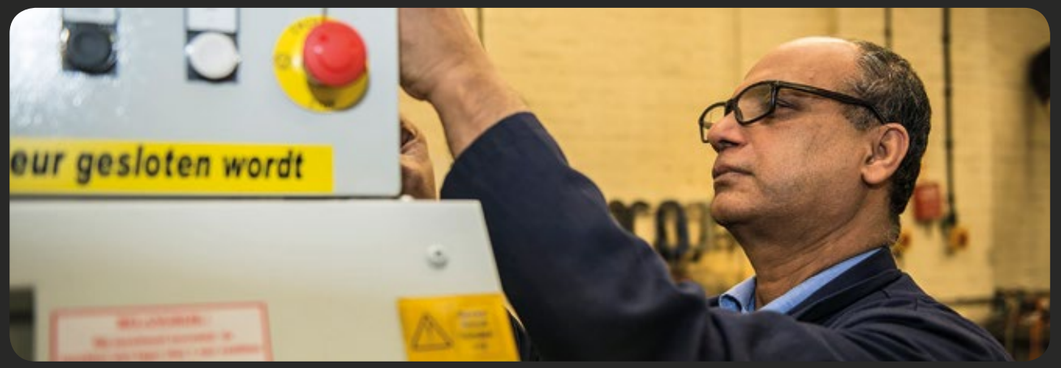
1. Finishing needs: concept and goals
2. Assessment: we will carry out free trials using ActOn technology
3. Customized engineering development
4. Production phase
5. In-house validation
6. Commissioning

Don't just think about it. It's now time to ActOn it.

Did you know we also offer wheel blasting solutions?
Check our Wheel Blasting Brochure for more technical details.

CHEF, CLM, CDF, Shot Blasting & Vibratory Finishing Subcontract

Inspection Services



Installation, Training, Maintenance Services

Equipment Refurbishment & Spare Parts Service

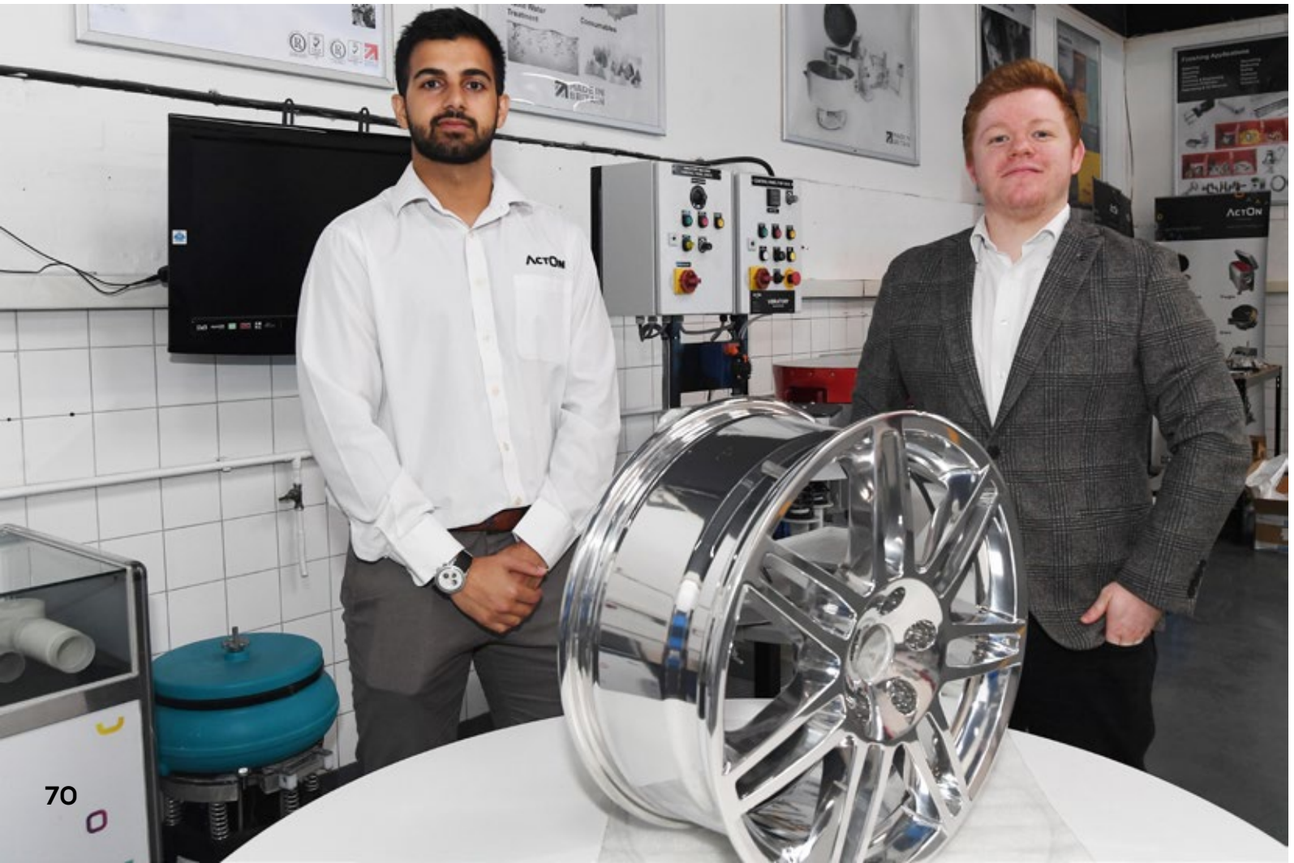
What Our Customers Say

"Aftercare was very good. Any problems we had, they are at the other end of the phone. They were helpful with the installation of the machine. I would recommend ActOn due to their professionalism of their team, the quality of the cabinets they provide and for the friendliness and helpfulness they provided during the purchase"

Tony Darby (Production Manager) Special EFX Ltd

" ActOn were quick to develop a solution for the shell cleaning system. The disc finishing machine has improved our throughput significantly and we are pleased with the quality of machine that they have manufactured and installed. We look forward to working with ActOn on future collaborative projects."

Henry Illsley (Shell Process Engineer), Rolls Royce Bristol



Quality You Can See

We pride ourselves on our excellence, and over the years we have successfully demonstrated an ongoing compliance with ISO quality and environmental standards. We're also an approved supplier for many of our industries, including medical and aerospace.

For ISO, we currently hold:

LRQA CERTIFIED ISO 9001 · AS 9100 — UKAS MANAGEMENT SYSTEMS 0001

LRQA CERTIFIED ISO 14001 — UKAS MANAGEMENT SYSTEMS 0001

MADE IN BRITAIN

We're proud members of the 'Made in Britain' campaign.

" The bitterness of poor quality remains long after the sweetness of low price is forgotten. "

Benjamin Franklin

we redefine

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