
RAGA
Strahltechnik GmbH
The Masters of Blasters®

Quality and function without compromise.

Already for years, we have been working out true-to-size solutions for our customers. Things that might look very simple in the end result are always the product of accurate planning, many years of experience and state-of-the-art technology. It is only due to the fact that we meet these prerequisites that we can offer high-quality systems, which meet all requirements and also prove themselves in practice. Furthermore, a continuous process of learning as well as an open pool of ideas that is constantly being filled with fresh inputs ensure our competitiveness. We do not only sell you blasting systems of the highest quality but also make sure that you can work with them in an optimal and reliable manner.

We lay our focus on the customer.

It is only after an accurate analysis that our employees decide on which solution is optimally suited for you. This is part of our individual service, which takes into consideration different requirements as well as economic specifications. We view ourselves as service partners for our customers, to whom we provide full service packages. No matter whether you require a blasting system, spare parts or the appropriate blasting medium and first-class service, we offer you everything from a single source. Our aim is to build a relationship of trust with our customers, which provides a solid basis for a long-term and fair co-operation.

Challenge us. We look forward to hearing from you.

We consider the development and growth of the company as inseparably linked to the development and growth of its employees. This is why team work as well as a friendly and polite dealing with each other do not only determine the relationship to our customers but also the atmosphere in our house. We provide the high motivation and personal commitment resulting therefrom to our customers as a value of benefit, which distinguishes us from our competitors and which has made us highly successful. Our employees make sure that all your wishes are put into practice. In doing so, flexibility is by no means a catchphrase but a part of our daily life. For us, success means co-operation.

Michael Winter

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Sale

At RAGA, all salespersons are also top trained engineers. This means for you that you only have to deal with one contact person between the submission of the offer and the delivery of the system. In order to guarantee that your RAGA blasting system delivers the performance you expect, we simulate the blasting result already at the stage of offer submision by means of individual sample processing, and perfectly adapt it to your needs.

Construction

Every successful RAGA project begins with construction. Down to the smallest detail, our machines are constructed on state-of-the-art, reproducible CAD systems - including risk analysis, operating instructions and spare parts lists.

The company

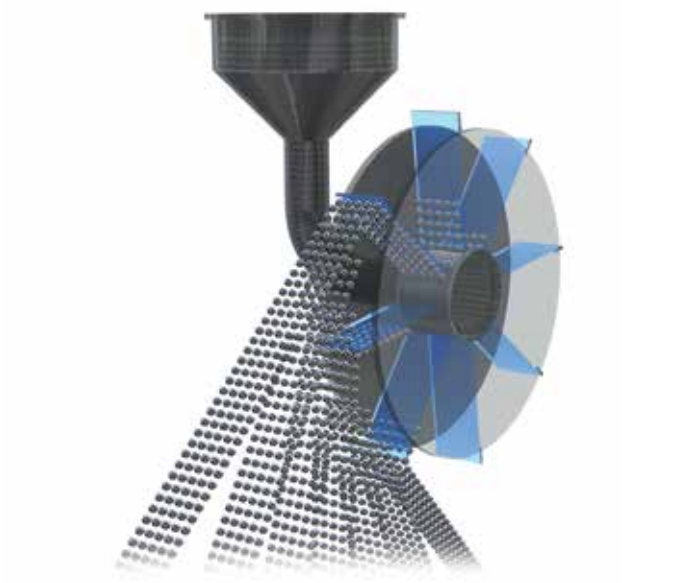
Assembling & Spare parts depot

Every RAGA system is completely assembled and carefully tested in the factory hall prior to delivery. Together with you, we carry out a preliminary acceptance test, which allows you to convince yourself that your new blasting system brings the desired results already before delivery.

We have invested huge amounts into stock-keeping. At RAGA, more than 5,000 articles are available to you on demand and for quick delivery.

Installation & Service

One thing is clear: Machine downtime costs time and money. This is why we place special emphasis on service and quality. Excellently skilled, specialised mobile assemblers, being fully equipped with the necessary tools, spare parts and wearing parts, guarantee that the problem is solved quickly on the spot.



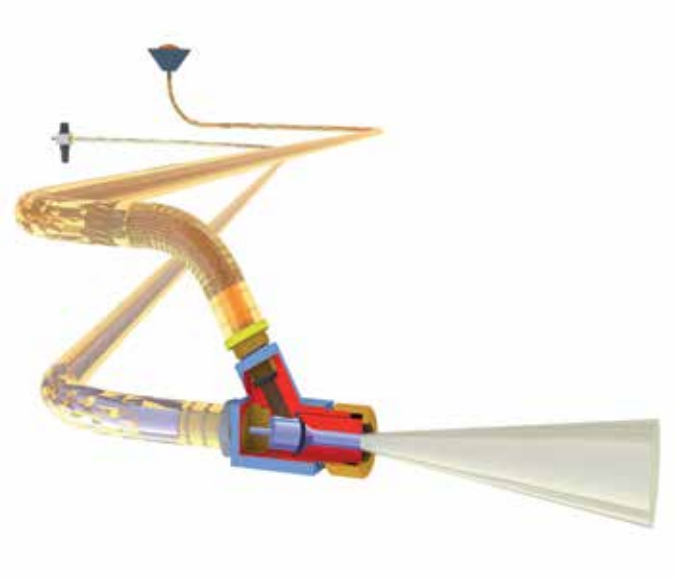
Centrifugal wheel blasting

In case of centrifugal wheel blasting, the centrifugal force of fast rotating wheels fitted with winnowing fans is utilised, which accelerate the blasting material mechanically and throw it onto the surface of the workpiece. At an average speed of approx. 3,000 RPM and depending on the driving power, diameter and size of the blast wheel, 60-600 kg of blasting material can be cast off, while the speed of the cast-off material is approx. 80m/s. The advantage of this system lies in the low energy input and at the same time extremely high area output. In addition to that, a highly uniform and homogenous surface is achieved.

Pressure blasting

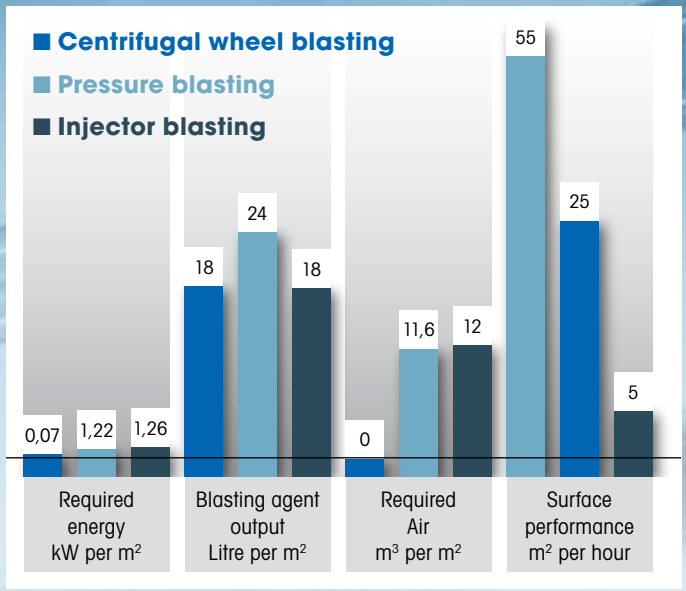
In case of pressure blasting, the blasting material is located in a closed pressure tank, the underside of which is fitted with a mixing valve. Through this mixing valve, the compressed air stream flows to the blast nozzle via the connected blasting agent tube. In this air stream, the blasting agent is dosed and already pre-accelerated alongside the tube in order to maintain the final acceleration to the desired discharge velocity in the actual blast nozzle. Due to the longer acceleration distance, discharge velocities of up to 250 m/s can be achieved in pressure blasting. Pressure blasting is mainly applied in the area of free blasting and also in high-performance blasting cabinets. The advantages lie in the high flexibility given the use of different blast nozzles, as well as in the possibility to process all blasting media (both angular and round ones).

Blasting processes

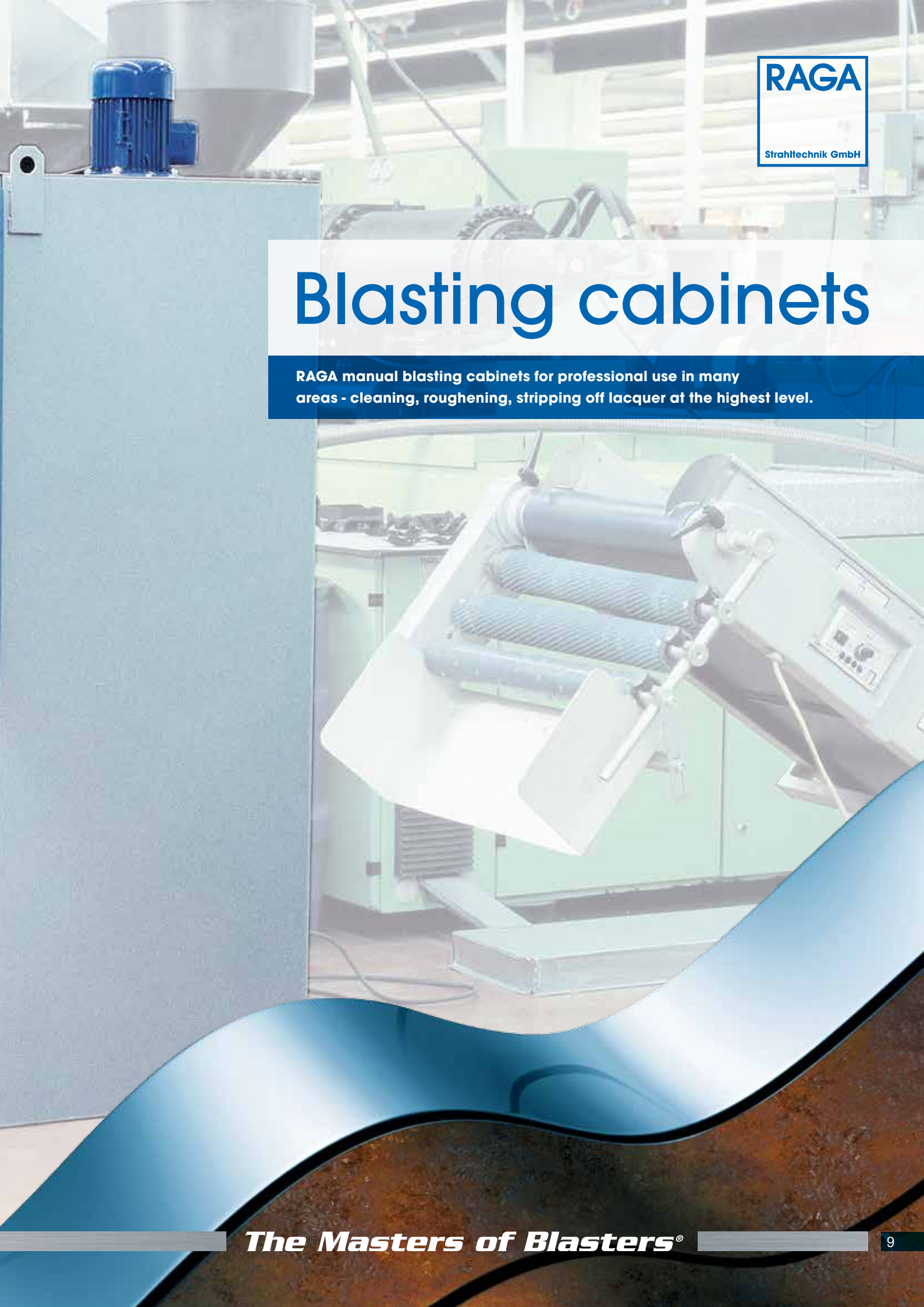


Injector blasting

The injector or venturi process functions according to the vacuum principle. From a supply tank, the blasting agent is sucked in inside a nozzle body that consists of one air and one blast nozzle and is accelerated immediately before reaching the blast nozzle. This procedure is mainly applied in specialised installations and blasting cabinets, thereby allowing a flexible arrangement of one or several nozzles.
The advantage of injector blasting is that all blasting media can be processed while being exactly dosed and by applying a low blasting pressure. This allows for a targeted or partial blasting of workpieces.



Blasting procedures by comparison



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Blasting cabinets

RAGA manual blasting cabinets for professional use in many areas - cleaning, roughening, stripping off lacquer at the highest level.

Compact Series

The „All-In-One“ principle guarantees top-class blasting technology with minimum space requirements.

1. Jet-cartridge filter with automatic interval cleaning
2. Cleaning system with coarse particle separation
3. Dust bucket

Injector blasting system

RAGA Compact blasting systems combine a proven blasting system technology with today´s requirements on blasting agent cleaning and dust removal technology. The blasting agent cleaning system already known from other RAGA blasting systems removes all contaminants from the blasting agent. Inside the cartridge filter element, the dirt particles separated from the blasting agent are absorbed by efficient, replaceable filter cartridges. The filter cartridge is cleaned off automatically by using compressed air.

1. Jet cartridge filter with automatic interval cleaning
2. Cleaning system with coarse particle separation
3. Dust bucket
4. Pressure blasting pot

Pressure blasting system

All important structural elements are easily accessible, thereby facilitating maintenance works as well as the refilling of blasting agents.

Compact 1 and 2

The small Compacts specially designed for use in tool manufacturing and precision engineering.

Compact 1

The RAGA Compact 1 Injector blasting cabinet with integrated jet cartridge filter is suitable for stripping off rust and lacquer, as well as for deburring small parts. Thanks to its highly compact design, the blasting cabinet can be set up in a space-saving manner and is very easy to operate. Blasting agent circulation is guaranteed already at very low blasting agent quantities.

>> You will find the technical data on the following page.

Compact 2

The RAGA Compact 2 Injector blasting cabinet with integrated blasting agent cleaning cyclone and jet cartridge filter is suitable for stripping off rust and lacquer, as well as for deburring medium-sized parts. In this blasting cabinet, the blasting agent is completely sucked off and cleaned by using the cleaning cyclone.

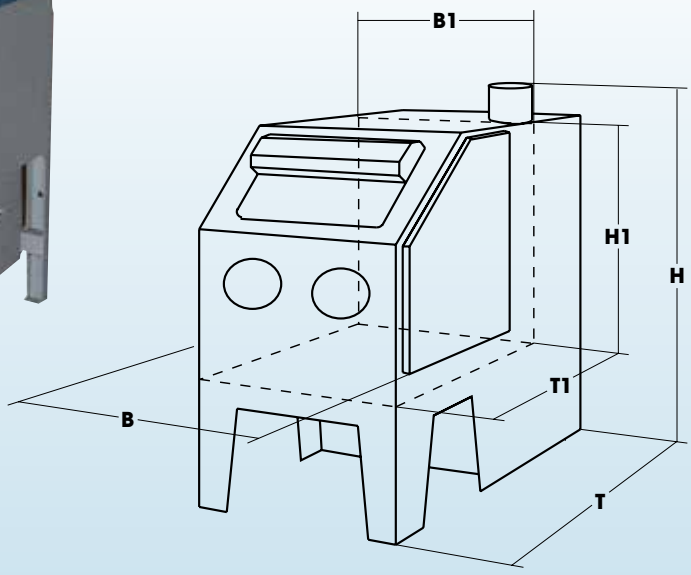
>> You will find the technical data on the following page.

Compact 3

The Compact 3 blasting cabinet combines compact design, performance and flexibility in one device.

Compact 3

The RAGA Compact 3 blasting cabinet with integrated blasting agent cleaning cyclone and jet cartridge filter is available in both injector and pressure blasting design. Additional components plus rotating baskets, rotary disks, retractable rotary tables or man-traps are available as an option.



Model data COMPACT		1	2	3	4
Working room dimensions (mm)	width **B1**	750	960	910	1260
	depth **T1**	750	500	910	1000
	height **H1**	700	950	960	1070
External dimensions (mm)	width **B**	822	1032	1055	1405
	depth **T**	1250	1100	1570	1810
	height **H**	1786	1750	1970	2105

Compact 4

The Compact 4, the workhorse among the Compacts, impresses with a large interior space and with efficient blasting technology.

Compact 4

The RAGA Compact 4 blasting cabinet with integrated blasting agent cleaning cyclone and jet cartridge filter is available in injector or pressure blasting design. The blasting cabinet is available with two doors at the sides or with one front door. Additional components are available as an option for Compact 3 and 4 blasting cabinets.

Compact 4 with front loader

Pressure blast nozzle

nozzles Ø	compressed air demand (m^3/min)			
	3 bar	4 bar	5 bar	6 bar
4,5 mm	0,63	0,81	0,94	1,12
6,0 mm	1,14	1,46	1,74	2,02
8,0 mm	1,87	2,41	2,87	3,41
9,5 mm	2,62	3,39	4,06	4,75

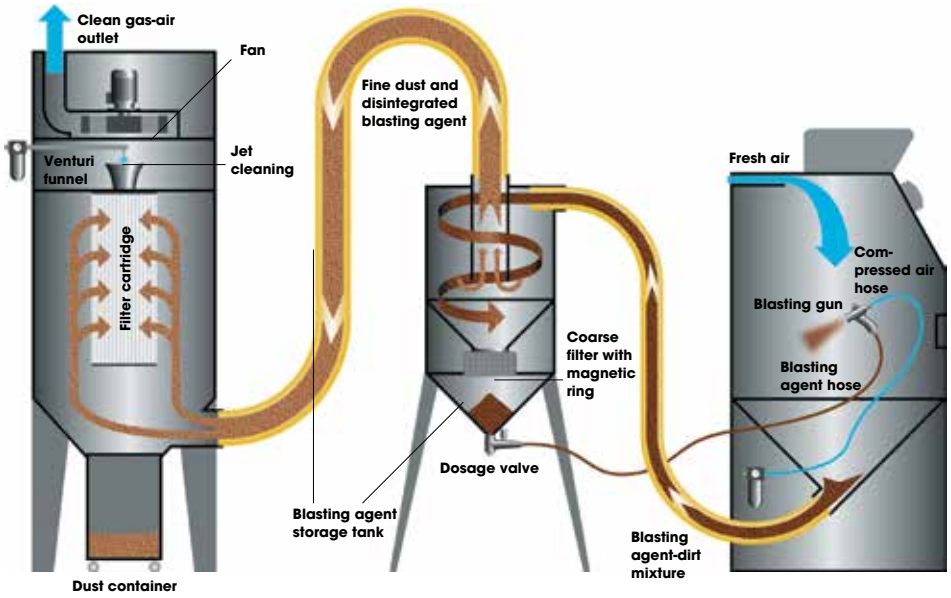
Injector and suction blast nozzle

nozzles Ø	compressed air demand (m^3/min)			
	3 bar	4 bar	5 bar	6 bar
6,0 mm	0,38	0,46	0,54	0,62
8,0 mm	0,70	0,78	0,86	0,94
9,5 mm	0,95	1,13	1,23	1,51
11 mm	1,26	1,51	1,63	1,75

RA Blasting cabinets

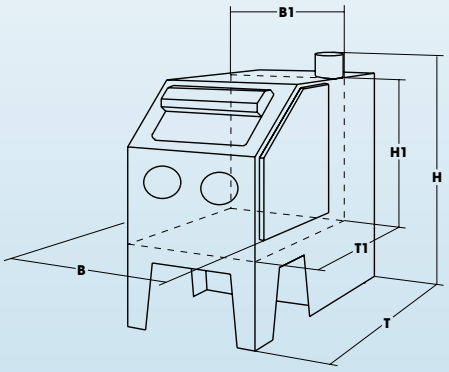
**The RA Series is characterised by premium-quality components.
Optimally aligned system components create an optimal tool for subcontractors.**

RA blasting cabinets are designed for professional use and are modularly structured. As shown in the chart, you can select from different frame sizes, which can be combined with our proven cleaning system and the matching filter. Depending on the performance required, it is possible to equip the cabinet with an injector system or a pressure blasting system. Consequently, all components can, thanks to the modular design, be replaced or retrofitted at any time, thereby allowing for an optimal adaptation to your product range. The RA cabinets work at low pressure and are hence largely dust-free. The vertically perfused cabinet ensures an excellent view for the operator during the blasting operation. The blasting medium is sucked off from the machine by the air flow and is „forced" to pass through the purifier. This guarantees an optimal cleaning of the blasting medium and, consequently, a consistent surface quality of your workpieces.



Jet cartridge filter | **Blasting agent purifier** | **Negative pressure blasting cabinet**

The RA module series can be upgraded with various auxiliary components, such as a stationary, retractable or electric rotary table or a rotating basket in different sizes, just to name a few. For long pieces, we can offer sliding hatches in different sizes.



Model data RA		65	75	220	85	601	720
Working room dimensions (mm)	width **B1**	910	1820	1260	2500	1470	1830
	depth **T1**	910	915	1000	1020	1525	1830
	height **H1**	960	960	1070	1070	1270	1520
External dimensions (mm)	width **B**	1055	1962	1405	2550	1470	1830
	depth **T**	920	920	1010	1300	1525	1830
	height **H**	1730	1730	1840	1740	2060	2060

Accessories & Extras

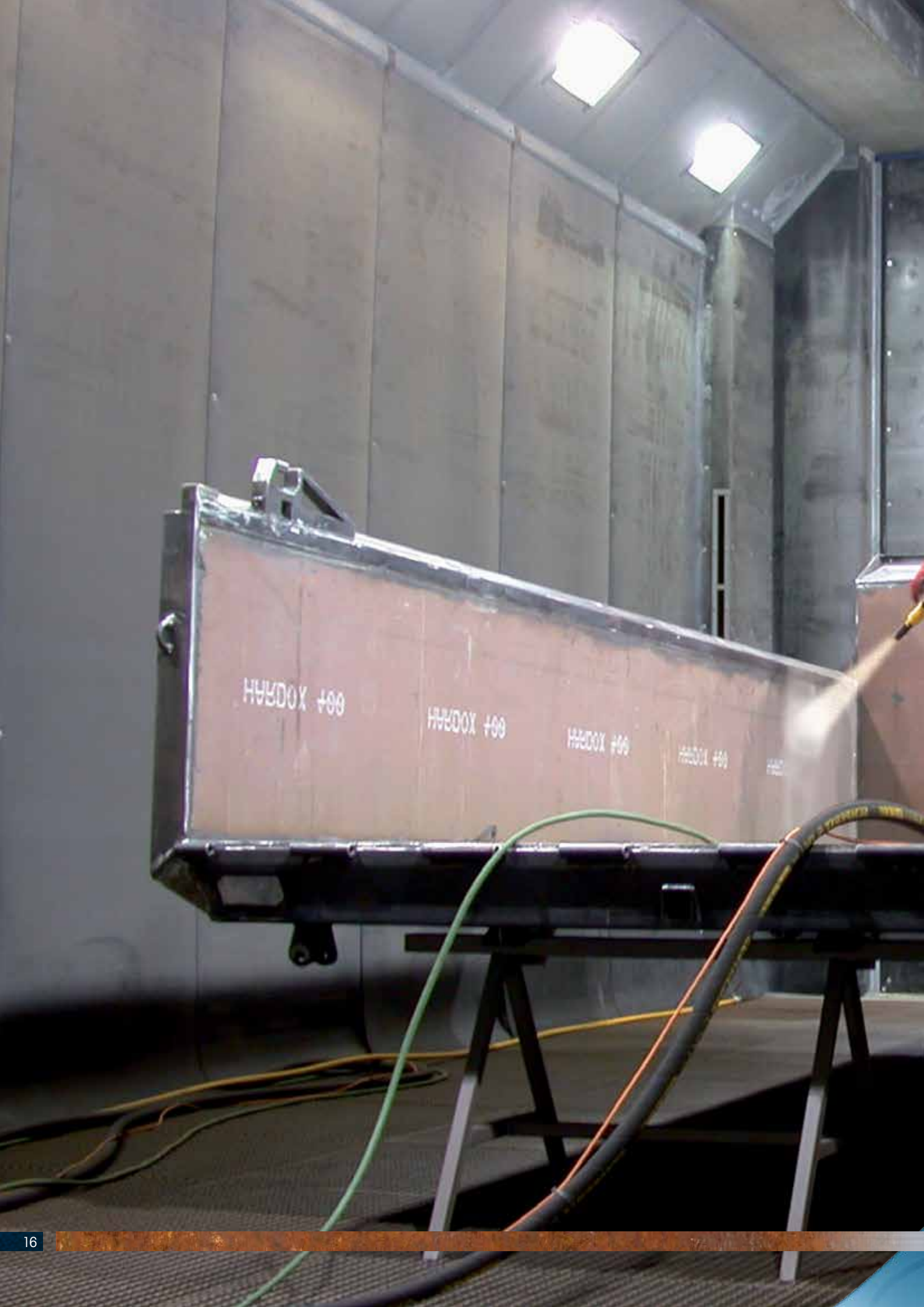
Compact 4+ view filter system with 2 filter cartridges

Rotary table with exit section and collection funnel

Stationary rotary table

Rotating basket

Door aperture with double door system


HARDOX +69
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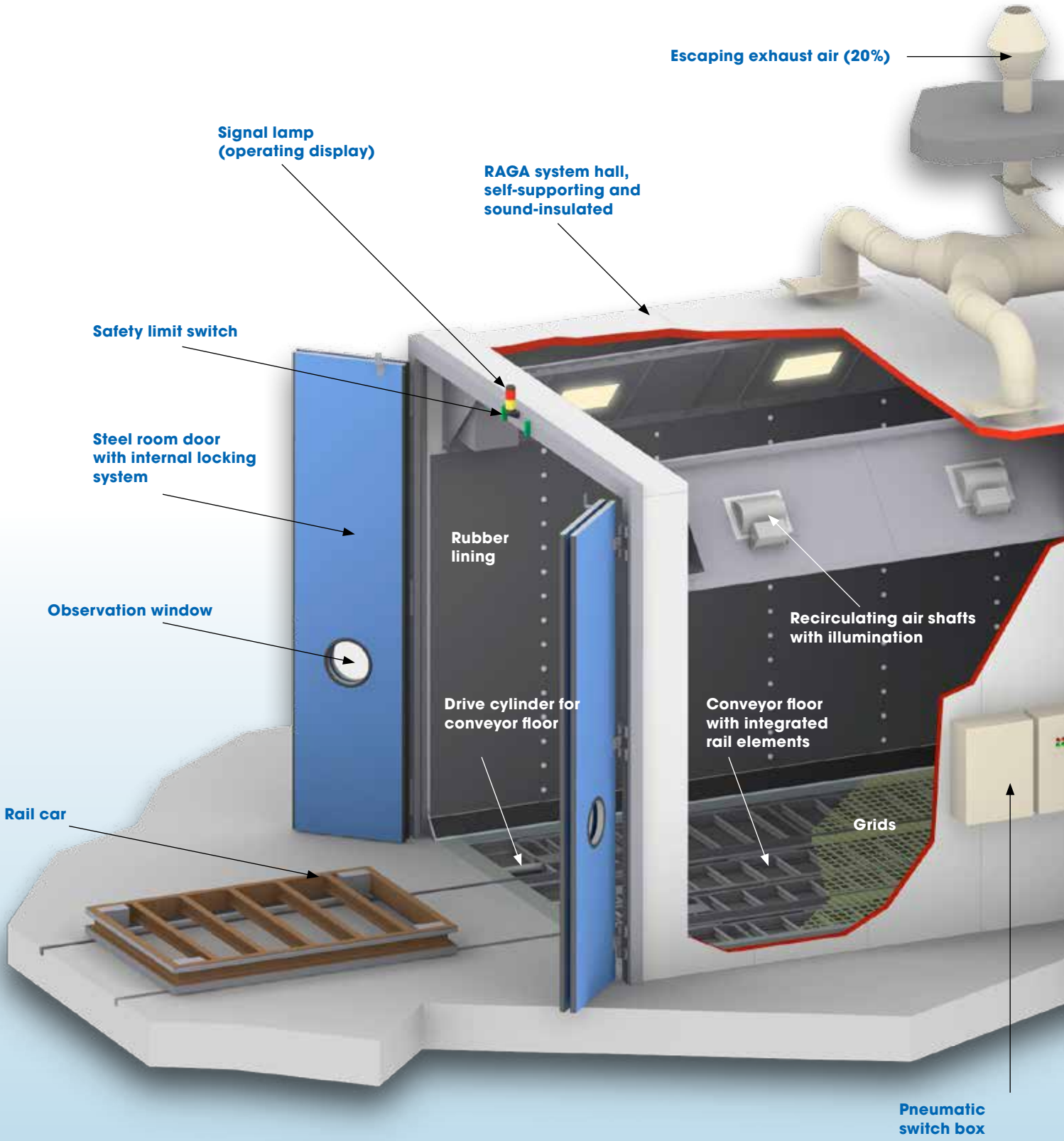
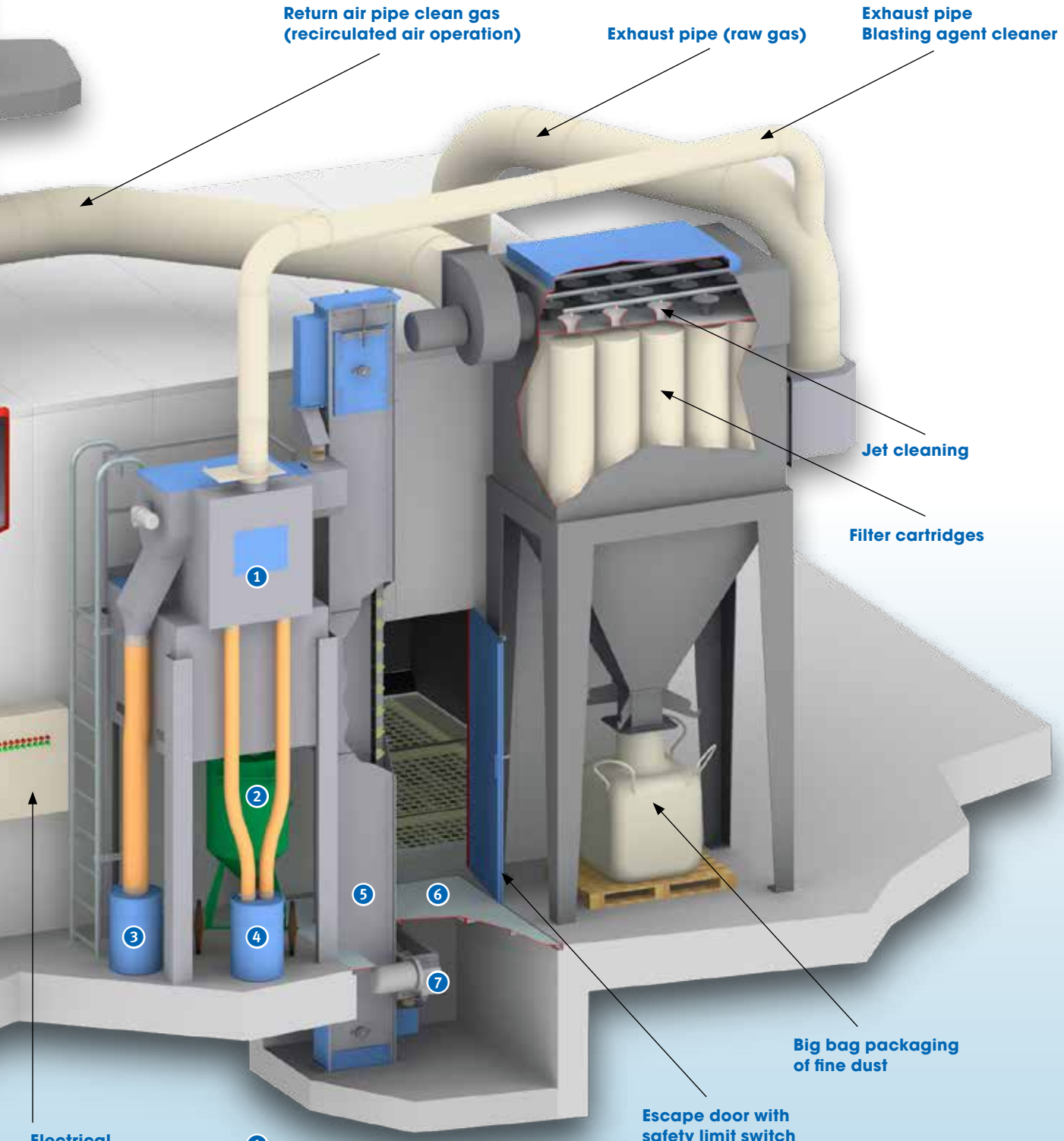
Blasting rooms

RAGA blasting rooms - combining 25 years of experience in blasting system construction with the optimal adaptation to your needs.


Escaping exhaust air (20%)
Signal lamp (operating display)
RAGA system hall, self-supporting and sound-insulated
Safety limit switch
Steel room door with internal locking system
Rubber lining
Observation window
Recirculating air shafts with illumination
Drive cylinder for conveyor floor
Conveyor floor with integrated rail elements
Rail car
Grids
Pneumatic switch box



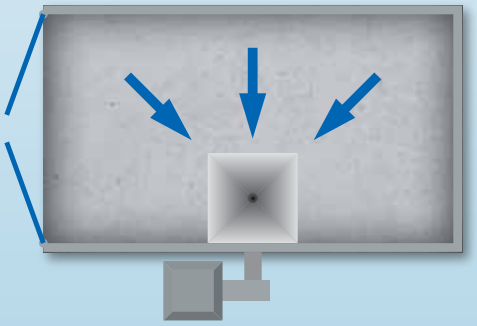
1. Air flow separator
2. Pressure blasting pot
3. Separation of coarse particles
4. Separation of fine particles
5. Bucket conveyor
6. Cover sheet
7. Cross transportation as a screw or in conveyer floor design

Conveyor floor

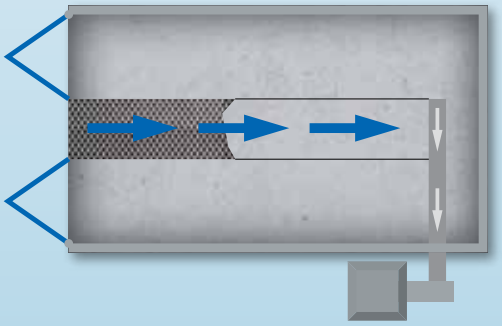
RAGA conveyor floors distinguish themselves through low design, very simple maintenance and flexible adaptation to the room.

RAGA conveyor floors particularly distinguish themselves through their consistently thought-out module system, as well as their extremely low design and the reduction of wearing parts to a minimum. Thanks to the integrated pneumatic drive, the floor elements can be integrated very flexibly into almost every building. The conveyor elements are, thanks to their special aluminum fins with integrated rubber lip, suitable for all blasting media. These conveyor slats can be replaced within a few seconds without any tools due to the simple hooking-in system. Rail elements that can be integrated in the conveyor floor without any additional foundations are a further distinctive feature, allowing bearing loads of up to 60 tons as well as variable track widths.

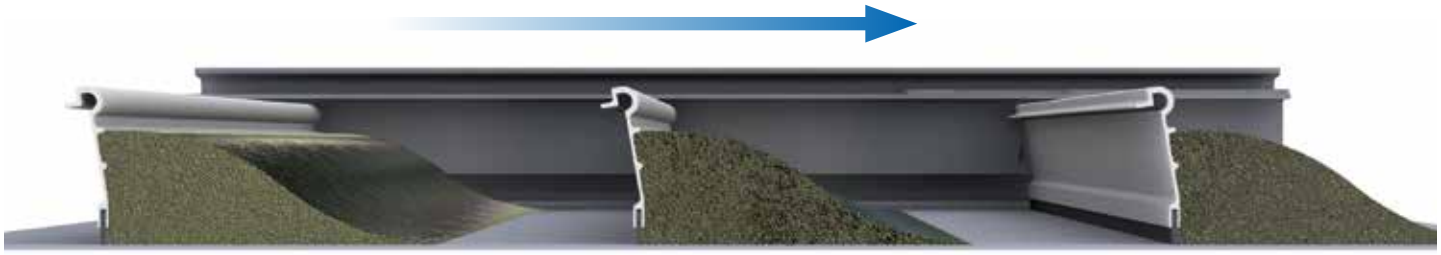
Variants



Sweeping funnel



Sectional conveying

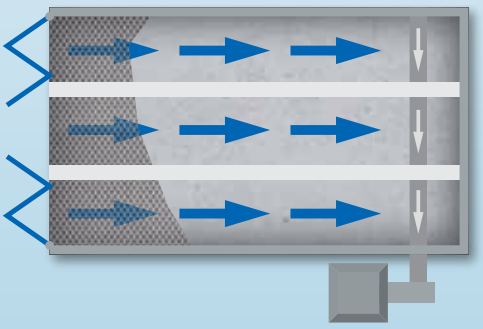


Working stroke with locked aluminum push conveyor slats

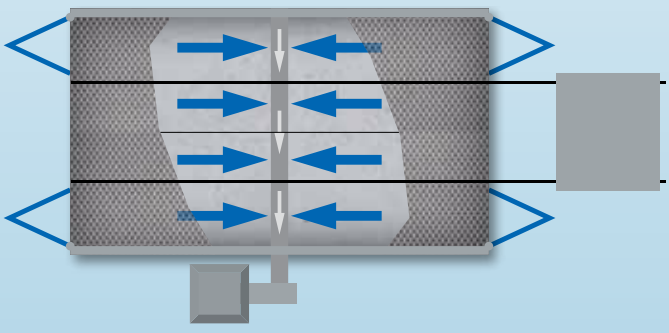
During the return stroke, the push conveyor slats slide over the blasting agent

Pneumatic switch box

Electrical switch box



Across the entire surface with lanes

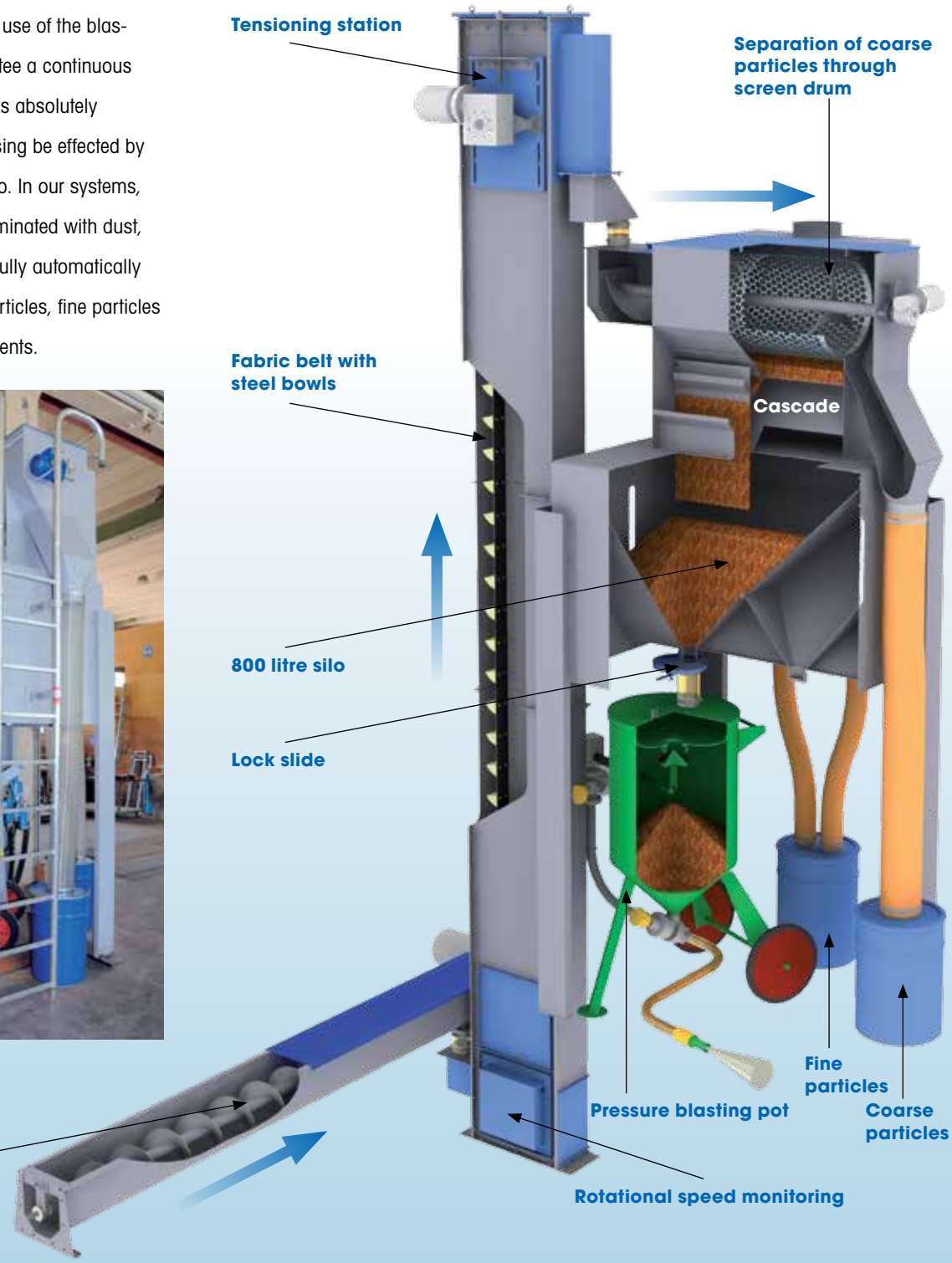


Across the entire surface with tracks

Reprocessing

RAGA reprocessing systems form the bedrocks of an efficient, cost-conscious reprocessing of blasting agents.

In order to make optimal use of the blasting agent and to guarantee a continuous blasting performance, it is absolutely imperative that reprocessing be effected by using an intermediate silo. In our systems, the blasting agent contaminated with dust, paint, rust, tinder etc. is fully automatically separated into coarse particles, fine particles and reusable blasting agents.



Filter technology

The best is just good enough.
With state-of-the-art jet filter systems, we care for optimal room ventilations.

Jet cartridge filter 20,000 m³/h with big bag packaging, silencer and radial ventilator

In order to guarantee optimal visibility conditions for the blasting staff during the blasting process, the air containing dust is permanently cleaned with the help of state-of-the-art filter technology in the air circulation system. For this task, we use high-quality jet cartridge filters from renowned manufacturers, which are optimally adapted to the requirements. At that, we pay attention to the optimal air exchange as well as the required exhaust gas values to make sure that your blasting system is up to the latest technical standards and that environmental pollution through dust is kept as low as possible.

Jet cartridges cleaning principle

Halls and gates

Blasting systems have specific requirements ragarding noise and robust design. RAGA halls and gate concepts fulfil these requirements without compromise.

We install your blasting system into every object predefined by you. In case your building is not equipped with a blasting hall, we can offer you a sound-insulated system hall in any size specifically manufactured by RAGA from galvanised sheet steel, which meets all safety requirements.

Stable, forged gate hinges

RAGA system hall 7 x 4 x 4 m (reference: EMPL Fahrzeugbau)

RAGA folding doors (reference: Bombardier Transportation)

References

Many of the most renowned industrial enterprises rely on blasting room solutions manufactured by RAGA. With more than 60 reference systems all over Europe, RAGA is the first choice for your blasting room project.

Palfinger Bison

Fahrzeugbau Wohlgenannt

Siemens AG

ÖBB – Technisches Service

Andritz AG

RAGA
Strahltechnik GmbH

Free blasting systems

RAGA free blasting systems offer a broad range of products coupled with maximum efficiency and an optimal supply with spare parts.

Complete systems

RAGA Freistrahl-Komplettsysteme zeichnen sich durch robuste, optimal abgestimmte Markenkomponenten aus und liefern perfekte Ergebnisse im Lohnstrahlbetrieb sowie im Privatbereich.

Mobile free blasting devices are utilised for structures, such as bridges, steel constructions, in ship building, container construction, on façades as well as in concrete and monument restoration. To ensure their usability in different locations, the blasting devices need to be easy to transport and easy to operate. The blasting devices are designed to guarantee the processability of the greatest possible number of blasting agents. The blasting procedure is started up directly by the operator via a pneumatic or electric safety

remote control system. Taking into consideration the existing compressed air quantity of the blasting agent, it is important that a matching blast nozzle be used. In this field, we can offer you a wide range of the most different nozzles. A safety blast helmet, a leather-reinforced blast suit, as well as blast gloves are recommended to be worn by the operator as a protective gear. The breathing air filter with the integrated activated carbon cartridge ensures breathing air free from oil mist, water vapour and dust particles.

Accessories

Protective gears, breathing air purifications and safety engineering guarantee optimal working conditions for the operator.

Blast protection suit with leather reinforcement at the front sides, with breathable cotton fabrics on the back

High-performance venturi blast nozzles with PU coating in different materials, such as silicon carbide, tungsten carbide or boron carbide, are available in Ø 3.0–12.5 mm

Blast nozzle holder and safety couplings of all types for blasting hoses 13–38 mm

Safety remote control lever, either pneumatic with two-hose security system or electric

Safety blasting helmet Apollo 600 with panoramic visor and integrated cape and CE air indicator

Safety blasting helmet Apollo 100 with rectangular visor and integrated cape

Manually regulated slide valve for blasting agent dosage

Manually regulated rotary slide valve for blasting agent dosage

Manually regulated squeezing valve for blasting agent dosage

Pneumatically lockable, manually regulated slide valve for blasting agent dosage

Adjustable climate control device for cooling down or heating up the breathing air

Breathing air filter available in the CPF-20 version for one blaster or in the CPF-80 version for 4 blasters. Complies with OSHA requirements.

Blasting pot

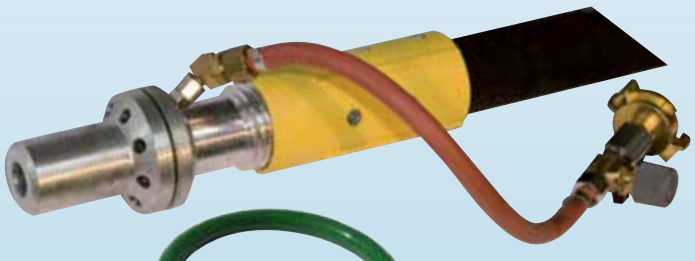
Volume litre	Height* mm	Diameter mm	Weight kg	Pressure connection inches
20	782	256	30	1/2
40	750	408	75	1
60	1065	408	100	1 1/4
100	1090	510	160	1 1/4
200	1440	610	160	1 1/4
300 DK	1569	610	300	1 1/4

Blasting agent throughput per hour and air consumption in m³/min

Nozzle opening	Pressure at nozzle (gauge pressure in kg/cm²)					
	2,6	3,5	4,9	6,3	7,0	
3,0 mm	0,28	0,32	0,42	0,52	0,57	m³/min air
	31	38	50	63	70	litre
	1	1,61	2,55	3,55	4,19	erforderliche PS
4,5 mm	0,62	0,73	0.92	1,15	1,26	m³/min Luft
	73	85	111	136	150	litre
	2,68	3,56	5,51	7,87	9,32	required HP
6,0 mm	1,15	1,31	1,71	2,08	2,27	m³/min air
	126	152	200	254	280	litre
	5,00	6,44	10,19	14,2	16,77	required HP
8,0 mm	1,82	2,16	2,83	3,53	3,84	m³/min air
	214	265	342	420	460	litre
	7,93	10,55	16,87	24,19	28,36	required HP
9,5 mm	2,54	3,02	4,0	4,85	5,5	m³/min air
	322	378	490	596	653	litre
	11,1	14,8	23,9	33,2	40,6	required HP
11,0 mm	3,48	4,12	5,44	6,73	7,11	m³/min air
	380	507	655	820	896	litre
	15,1	20,1	32,4	46,1	52,6	required HP
12,5 mm	4,62	5,46	7,06	8,65	9,46	m³/min air
	557	657	856	1050	1148	litre
	20,1	26,7	42,1	59,3	70,0	required HP

Special blasting devices

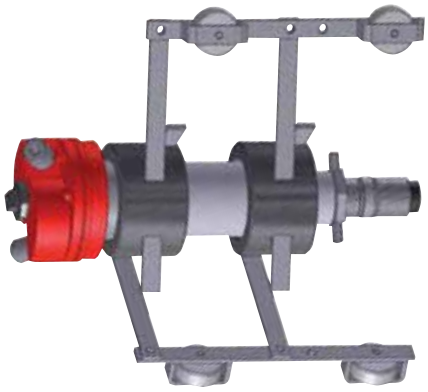
Dust-free blasting, humid blasting or internal blasting extend the possibilities of professional surface processing.

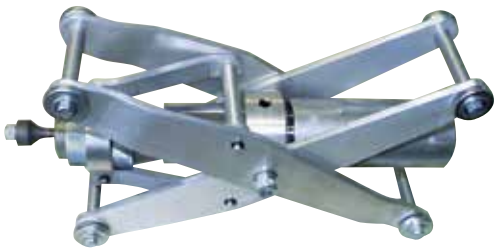


Humid blasting

Humid blasting devices designed for façades and concrete cleaning can be used in different variations. For simple applications, ring nozzles and nozzle inserts are available for the admixture of water. Special blasting pots for extremely fine blasting media, such as rock powders or soda in combination with high pressure pumps, make professional use possible in building renovation.

Freistrahlanlagen





internal pipe blasting

For the blasting of pipes at the inner side, pipe blasting devices have been developed in different versions. Small internal blasting devices with a 360° deflection cone, as well as large internal blasting devices with a rotating nozzle head are available for these applications.

Dust-free blasting

Powerful dust-free blasting devices based on injector or pressure blasting are outstandingly suitable for use in pipeline or container construction. These devices are particularly suitable for the reworking of weld seams or the blasting of repair surfaces. Several combinations with suction devices are possible.

Injector free blasting

Powerful injector blasting devices, which also feature a convincing quality of workmanship, are available both for DIY and professional use.


RAGA

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Special systems

RAGA special blasting system constructions combine 25 years of experience with state-of-the-art automation and safety engineering on the highest level.

Blasting system for the internal and external processing of ingot moulds.

Special systems

The intelligent integration of blasting systems into automated production processes is a RAGA specialty. This is proven by successful projects for enterprises like Swarovski, Plansee AG, Alstom and many more.

Automation and reproduction are concepts that gain more and more importance, the prerequisite for which are half or fully automated special blasting systems for the processing of parts in larger unit quantities. In the past, RAGA has been developing many special solutions for its customers in the field of tailor-made special blasting systems - such as ski and snowboard edge blasting systems for the roughening of ski edges prior to their bonding with laminates, or an automatic file blasting system for the deburring and sharp blasting of files, or a robot blasting system for the automotive industry for the roughing and deburring of the most different car seat-pans, for example. Before we start with the construction of a special blasting system, we carry out blasting experiments first in order to specify all parameters. Experienced engineers prepare the design, including unit and spare parts lists on state-of-the-art CAD systems, thereby making it possible to reproduce all units at any time. It is only when all items mentioned are specified in the specification profile that we start with the production process. After completion of the blasting system, we carry out a preliminary acceptance test, including a trial operation, in the presence of the customer. In our blasting systems, we pay special attention to an optimal functionality and perfect workmanship of the system.

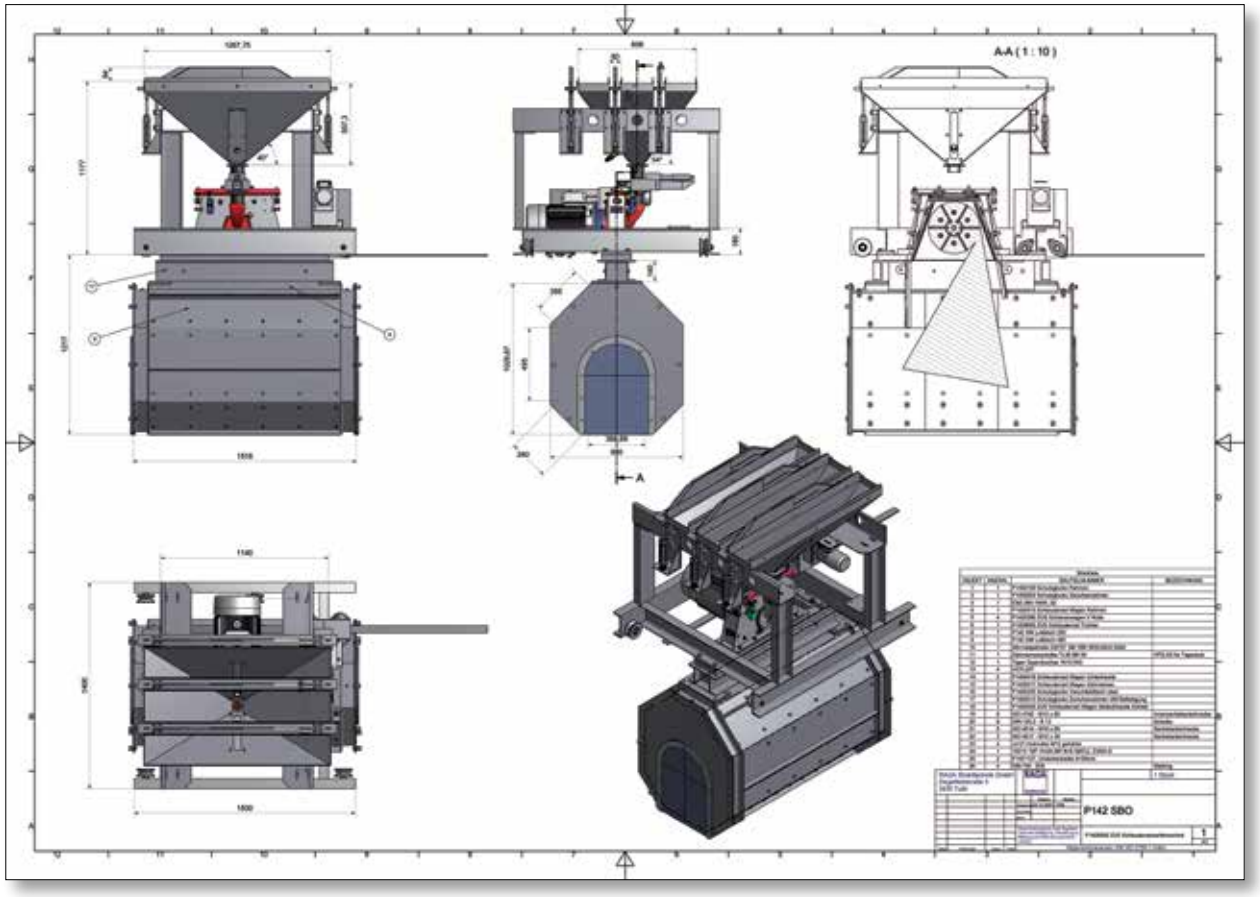
Combined blasting wheel pressure blasting system for hollow bodies with state-of-the-art control/safety technology and robot integration

2 axle-controlled universal blasting system with manual blasting


RAGA

Shot Peening systems

RAGA Shot Peening systems distinguish themselves through surface compression with blasting wheel and compressed air technology, optimally integrated into your process chain.



Visualisation of the working process via touchscreen

Hard metal and special materials for the wear zone

Automated blasting agent alternating system for 3 media


RAGA

CNC Blasting systems

Freely programmable 3D CNC blasting systems set new standards in the field of surface processing, made possible by the ingenious principle of dust-protected linear technology.

4 axle CNC universal blasting system with retractable rotary table and manual blasting position.

Control device: Siemens SINUMERIC

PU injector blasting nozzles


RAGA

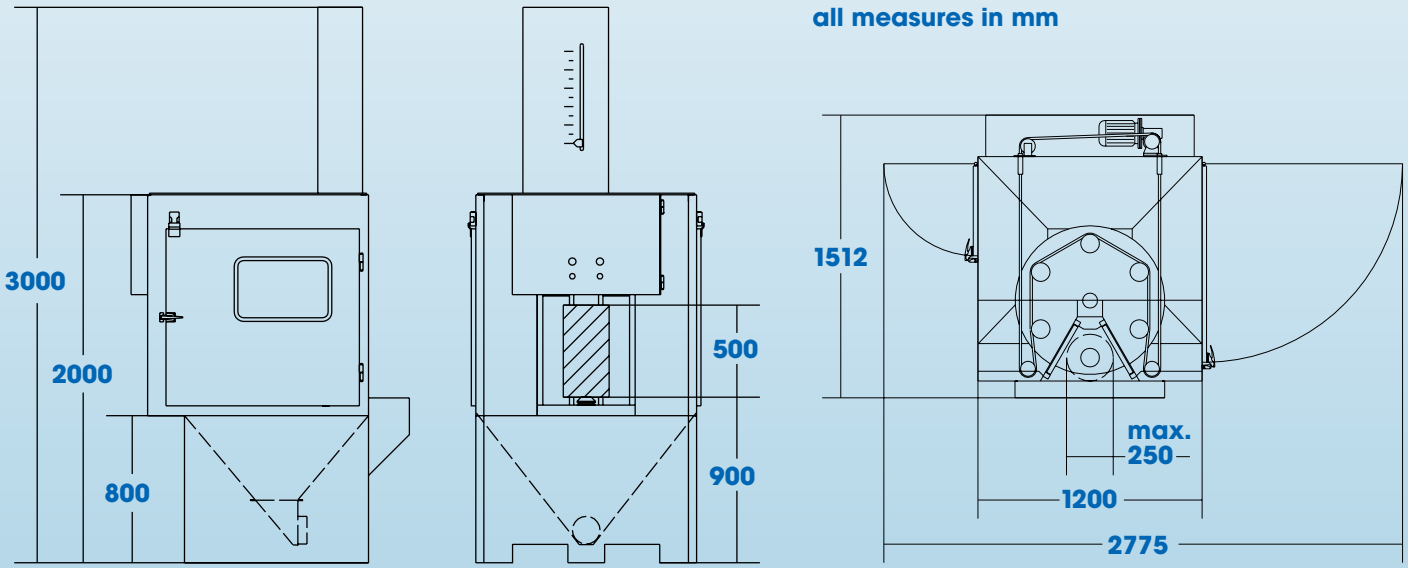
SRC Blasting systems

The tried and tested principle of cycle type systems distinguishes itself through a flexible system configuration plus a well-engineered system design.

SRC stands for Satellite-Rotary Table-Cycle Machine. The rotary cycle machine shown in the picture with 6 satellites and one rotary turntable diameter of 800 mm with vertical oscillation allows the blasting or deburring of rotationally symmetrical parts up to a height of 500 mm and up to a diameter of 250 mm. The system is controlled fully electronically and is equipped with several safety devices. The parts can be loaded either manually, by robot or by part manipulator. Blasting is effected fully automatically in accordance with the programmable standards set by the SPS control. It is possible to variably anchor the cycle time of the rotary table, the rotational speed of the satellites as well as the lifting height and speed of the oscillation. Every single nozzle can be switched off and is pressure-adjustable. In the blasting system, different blasting agents can be used. Following the blasting, the parts are cleaned from dust in a separate cleaning lock separated from the blasting room.

Interior view of the blasting chamber. Oscillating and stationary nozzles

all measures in mm




OMSC
OMSC
OMSC

RAGA
Strahltechnik GmbH

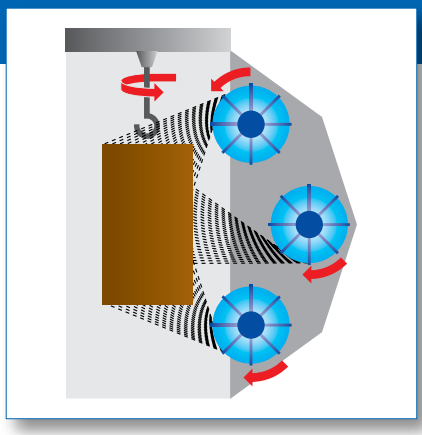
Wheel blasting systems

More than 50 years of know how in the field of blasting systems guarantee quality, optimal plant design and the professional implementation of your project.

RAGA

Capri suspension monorail system

For cubical parts, mass-produced parts and steel constructions which require homogeneous blasting on all sides, this system is the right choice.



The Capri type is a suspension monorail blasting system that comes with a front loading system designed for the automatic blasting of workpieces suspended on hooks. Two independent hangers with turning hooks are attached on a Y-shaped crane rail conveyor in a moveable manner. In order for the individual hangers to be loaded, they can be moved out from the system independently. The hangers can be moved either manually or automatically, depending on the design of the respective plant. This allows the second hanger to be loaded simultaneously with new parts during the blasting process. The parts can be hung up on the appropriate bearings either individually or in bunches until the maximum circumference or the maximum permissible load is reached. The blasting wheels positioned on the sides can be delivered with different performance levels, tailored to the size of the respective plant. An excellent cleaning of the blasting agent in different variants, or even magnet separation, guarantee that the blasting agent is optimally processed.

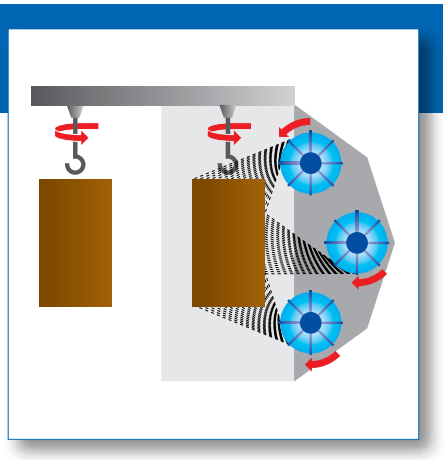
Capri 10-14 C

Capri 40-90 H22 for containers

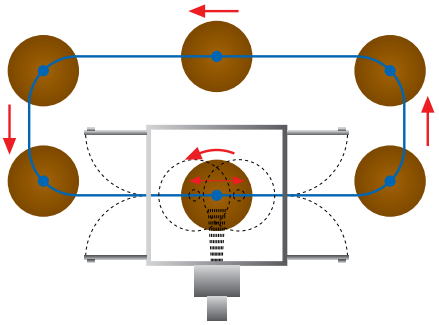
Capri 30-30 CS

Sandermatic pass-through suspension

This system is optimally suited for mass-produced parts, cast parts and steel constructions that require homogeneous blasting on all sides.



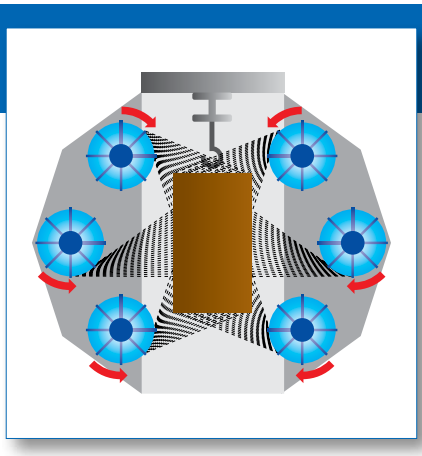
The Sandermatic type comprises suspension monorail blasting systems with automatic doors on both sides designed for the automatic blasting of workpieces suspended on hooks. The parts can be hung up on the appropriate bearings either individually or in bunches.



Sandermatic 5 NA

Tunnelblast pass-through system

The suspended monorail pass-through system is the right choice for large, bulky steel constructions in combination with further systems.



These systems are especially suitable for steel constructions, which need to be processed on both sides as well as on the front surfaces, using the continuous flow procedure. Both sides of the blasting zone are equipped with several blast wheels, which are diagonally arranged. For the transportation of components, crane lifting units or Power & Free conveying systems can be used.

Tunnelblast 10x25 with Power & Free conveyor system.

Tunnelblast 20x25 with synchronously moving lifting units

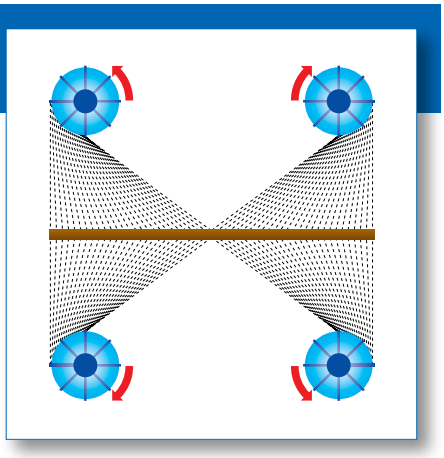
RAGA

Lauco pass-through system

For profiles, sheets and steel constructions that are rollerway-capable a pass-through blasting system is the right choice.

Lauco 150 NP

Lauco 300 with sideways shifting and roller conveyor return

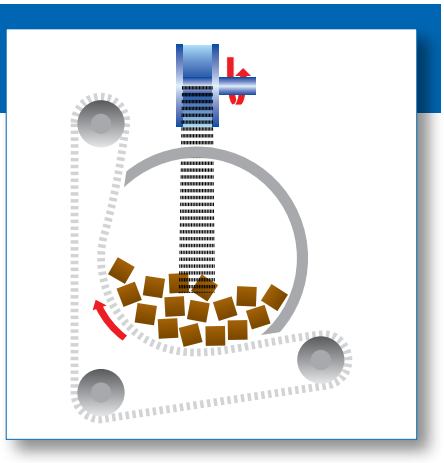


The Lauco type comprises pass-through wheel blasting systems in tunnel design intended for the fully automatic, continuous blasting of sheets, profiles, pipes, cut sheets etc. The material is laid on a roller conveyor parallel to the through-passage direction. The blasting wheels are arranged transversely to the through-passage direction. A roller conveyor can be attached in any desired length on the inlet side and outlet side. The workpieces are laid on the roller conveyor either manually or by crane and pass through the blasting system and cleaning chamber (brush, air nozzles). Various manoeuvring systems allow an optimal integration of the system into your plant concept.

Lauco 100 AC

SG Tumblast system

A tumblast system is ideally suited for tumble-proof bulk items, cast parts and mass-produced parts.



This well-matched series makes the most suitable blasting process of tumble-proof workpieces possible, allowing you to process either the smallest, sensitive synthetic parts or the large, massive forgings or cast parts. For this purpose, conveyor belts are available in various designs. Thanks to their elaborate concept, our tumblast systems offer optimal prerequisites for the combination with automatic feeding systems, thereby allowing a simple integration into automatic production processes.

Standard steel tumblast system with loading device (Skip) and vibro conveyor

Skip loader in loading position

Rubber conveyor belt during unloading on the vibro conveyor

Special systems

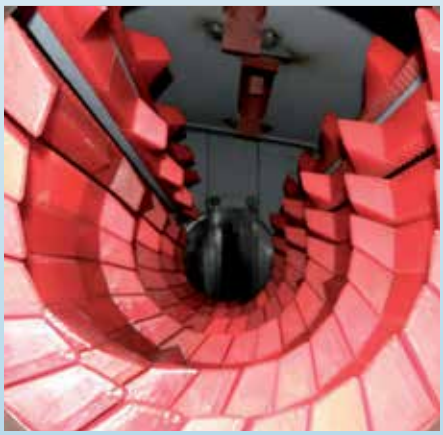
Special systems, exactly tailored to your needs, constitute the premium class in the field of wheel blasting system construction. Optimal design and production-specific adaptations are our strength.

Boiler blasting system with robot feeding

Bottle blasting system of the model series RBC

Grid belt blasting system of the model series CWB

Assembling of a pass-through tumblast system of the model series Rotoflow 200



Interior view of Rotoflow 200

Special wear parts

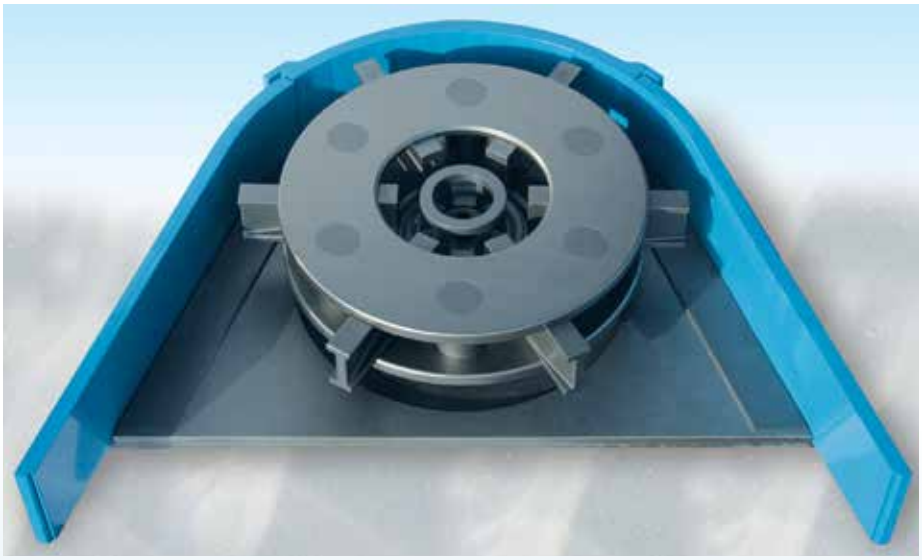
Only the best is good enough here. Thanks to high tech materials and special wheel blasting concepts, a service life far beyond 4,000 hours can be achieved even in case of edged blasting media.

It is in the nature of things that wheel blasting systems destroy themselves. Long-known problems in this field are the typical scaling on the blade surface as well as fissures on the winnowing fan (as shown in the pictures below). This leads to a serious change of the blasting result as well as an increased wear of the blasting wheel plating and the blasting cabinet lining. The efficiency loss exceeds 20% and the decrease in intensity can be even as high as 30%. This results in incorrect production processes, machine downtimes and higher maintenance costs.

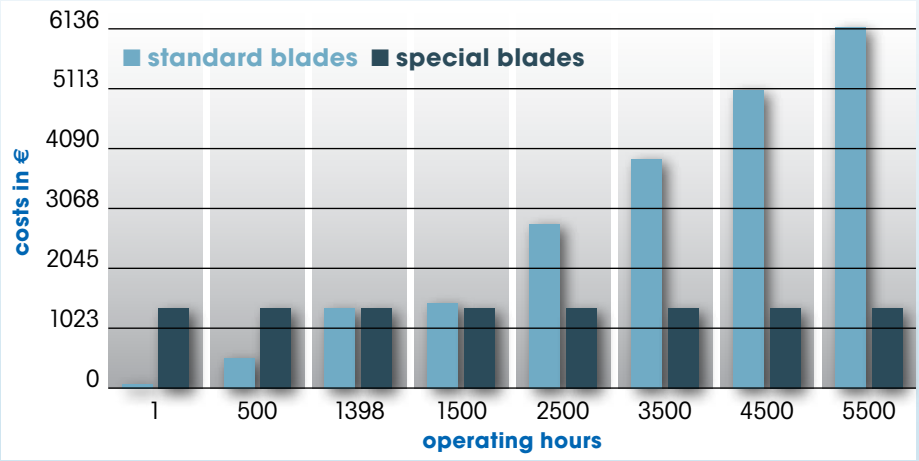
Special wear parts guarantee your competitive advantage

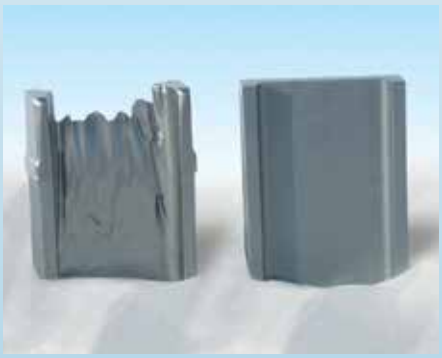
- up to 50 times longer service life *
- safe functioning of the blasting system
- higher durability
- no change of the surface
- constant blasting result
- reproduceable blasting performance
- consistent quality
- lower maintenance costs
- higher productivity

*e.g. 5,500 operating hours in case of edged chilled cast iron blasting agents, granulation 0.3–0.6 mm, rigidity > 62 HRC.



Special blasting wheel with centrifugal force fixation for winnowing fans



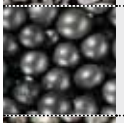


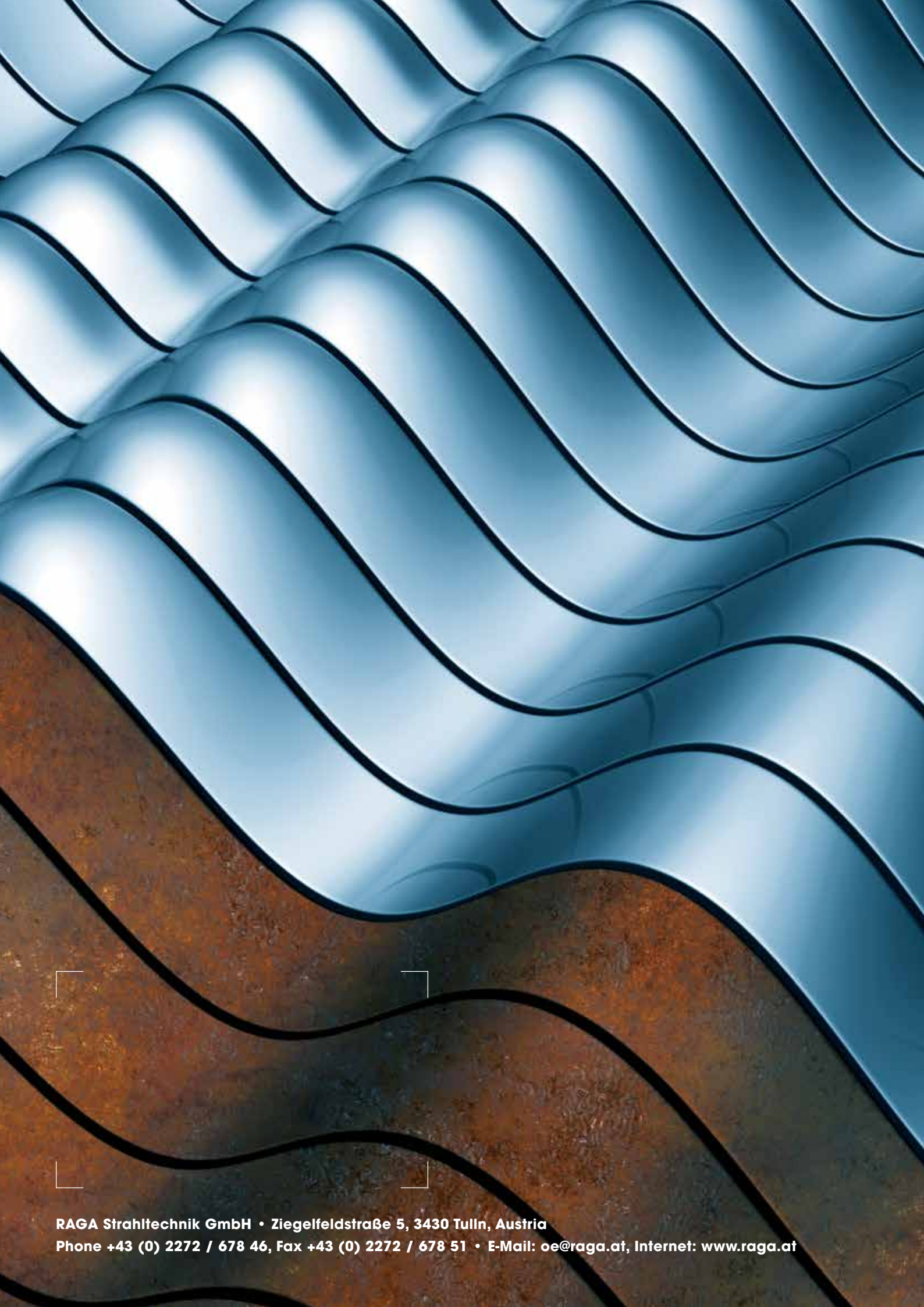
Comparison at equal blasting

Accelerator

Blasting agents

The „fuel“ for your blasting system is the blasting agent.
Here we offer you a complete product range plus the highest quality standards.

Blasting agent		Designation	Specific weight	Bulk weight	Available grain sizes	Examples of application
	Iron grit	GH-K	7,00	3,10 - 4,50	von 0,1 bis 2,8mm	Cleaning, descaling, derusting, roughening of ferrous metals
	Chilled iron grit HC or LC	GS-R	7,00	ca. 4,30	von 0,1 bis 2,7mm	Cleaning, descaling, derusting, deburring of ferrous metals
	Stainless steel CR/NI	ALPHA	7,00	ca. 4,30	von 0,1 bis 3,3mm	Cleaning, deburring, structuring of non-ferrous metals
	Stainless steel chrome shot	BETA	7,00	ca. 4,20	von 0,1 bis 3,3mm	Cleaning, deburring, structuring of non-ferrous metals
	white aluminum oxide	EK	3,98	1,48 - 1,68	von 0,05 bis 2,8mm nach FEPA	Cleaning, roughening, structuring of non-ferrous metals
	regular aluminum oxide brown	NK	3,94	1,51 - 1,97	von 0,05 bis 2,8mm nach FEPA	Cleaning, roughening, structuring of ferrous and non-ferrous metals
	mixed aluminum oxide	MK	4,00	1,50 - 1	von 0,05 bis 2,8mm nach FEPA	Regenerated material, cleaning, roughening, structuring of ferrous and non-ferrous metals
	Garnet sand	GARNIT	4,00 - 4,10	2,00 - 2,10	von 0,2 bis 1,4mm	Cleaning, deburring, structuring of metals of all kinds, façade cleaning
	Ceramic pearls	KP	3,80	2,30	von 0 bis 0,85mm	Cleaning, deburring, structuring of non-ferrous metals, surface hardening
	Glass pearls	GP	2,60	1,60	von 0 bis 0,8mm	Cleaning, deburring, structuring of non-ferrous metals
	Nutshell granule	NSGR	0,90	0,70	von 0,2 bis 1mm	Mould cleaning, stripping off lacquer from protected historical building parts



RAGA Strahltechnik GmbH • Ziegelfeldstraße 5, 3430 Tulln, Austria
Phone +43 (0) 2272 / 678 46, Fax +43 (0) 2272 / 678 51 • E-Mail: oe@raga.at, Internet: www.raga.at