

RÖSLER[®]
finding a better way ...

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Shot Blasting Technology





finding a better way ...

When it comes to dealing with surface finishing and surface preparation problems, Rösler offers **the total process solution!** Our customers can choose between two processing technologies, **Vibratory finishing or Shot blasting**, which offer virtually unlimited possibilities. Through extensive processing trials, we always find the right finishing solution for our customer's needs.

This includes not only the development of a specific finishing process, but also the selection of the right equipment and consumables.

We deliver the total solution to satisfy your surface finishing requirements. Our success in the market proves that we are right. It is not by chance that our innovative developments and our high quality standards have established Rösler as the world technology and market leader in surface finishing and surface preparation.

In more than 50 countries we support our customers with a closely-knit network of Rösler subsidiaries and sales representatives.

We are the only company in our field operating **test and demonstration centres** throughout the world's. This allows us to run test trials under real production conditions close to our customers.

This offers several advantages: Our customers save time and money, and at the same time – through our professional processing trials and advice – they are assured of receiving the best process solutions and products available on the market!



Worldwide Demonstration and Test Centres

Vibratory finishing and shotblasting test centre located at the Rösler headquarters in

Untermersbach:

- more than 95 vibratory finishing and shotblasting systems
- working space: approx. 2,700 square meters

Similar test centres are located in the United States, Great Britain, France, the Netherlands, Belgium, Switzerland, Spain, Italy, Austria, South Africa and Brazil.

The Total Process Solution

Consumables, machines and process safety in perfect combination:

- A perfect interaction between consumables, equipment, process and safety
- Cost-saving automation linking multiple process steps
- Qualified field service teams guarantee smooth installation and commissioning of your equipment
- Comprehensive training of your operators and maintenance staff
- After-sales service guarantees high uptimes for your equipment

Environmental - Quality

The consideration of environmental issues guarantees a high level of product quality and environmental protection. For example, recycling the process water is a key feature of our mass finishing technology. In this case, the positive effect on the environment is reflected in savings of compound and water of up to 95%. At the same time, a high level of process reproducibility and finishing quality is guaranteed.

Team Spirit

Rösler is a dynamic organization where the initiative and commitment of each employee plays a key role. Systematic training and a cooperative management with lean structures are essential elements of our corporate philosophy. This allows us to create a workplace environment which attracts talented young people.

Shot Blasting System

Our comprehensive product range offers modern shot blasting technologies which completely fulfill today's market requirements. In addition, we are constantly working with our customers to develop individual solutions to specific surface treatment problems.

RMBD – Through Feed Tumble Belt Machine

With the development of this continuously operating through feed tumble belt system, Rösler has opened up the way to fully automatic and economical shot blasting of mass produced bulk parts, as well as the processing of large, delicate parts. All in the same machine.



RDGE – Wire Mesh Belt Machine

This machine type is ideal for continuous, all-around shot blasting of flat, as well as large parts with complex geometry. A highly wear-resistant wire mesh belt, with tension adjustment, serves for the part transport. Available with 2, 4 or 8 blast wheels.



Shot Blasting System

RROB – Roboblaster

The operating scope of this amazing, high performance shot blast system with one-arm robot includes deburring, shot peening, and surface cleaning of large-sized delicate components. Compared with conventional shot-blasting systems, the RROB offers very short time cycles. Precise horizontal and rotary parts movement by the patented gripper provides a uniform finish and complete removal of the blast media. RROB systems are ideal for integration into automated production lines.



SBM – Through Feed Continuous Conveyor Machine

SBM blast machines are equipped with a V-shaped loop belt. The transport cams on this loop belt provide a gentle forward movement of the components through the blasting zone. This machine type is particularly suited for continuous shot blasting of high volumes of small bulk parts.



RMBC – Tumble Belt Batch Machine Type

This machine is ideal for batch processing of mass produced parts of all kinds of material. The RMBC offers a wide range of shot blasting applications from small, delicate plastic components up to large, heavy forgings. Available with either rubber- or steel tumble belt.



Shot Blasting System

RSA – Rotary Indexing Satellite Table Machine

With the rotary indexing satellite table machine, delicate parts can be processed on a continuous basis without touching each other. The spectrum of blasting applications for these machines ranges from delicate deburring to shot peening. The installation is particularly interesting for applications in which only certain areas of the parts need to be blasted. Blast wheel technology as well as pressure blasting can be used.



ST – Blasting Cabinet

Pressure and pressurised injector blasting cabinets are ideal for blasting a wide variety of small parts. The cabinets can be equipped with turntables, baskets, blast nozzles, pressure blasting systems, oscillators and other special auxiliary blast units.



Shot Blasting Media

The wide range of shot blasting application requires an even larger quantity of different shot blast media. Based on our experience and the available assortment of shot blast media we are able to recommend the optimum media for your application. Whether it is metallic or non-metallic, random shaped or spherical, we can supply you with materials of almost any size and hardness.



Test Centres and Service

Finding a better way... a commitment to our customers

Test Centres worldwide

Throughout our worldwide organization we adhere to strict quality control procedures. This applies especially to our test centres where we develop process solutions for all kinds of surface finishing problems. Each branch of the Rösler group features its own test centre equipped with the latest Rösler finishing equipment. This equipment is utilized exclusively for processing trials with our customer's sample parts.



For Rösler service is not just an empty promise

Professional advice, short turn-around times and prompt and reliable service: Rösler offers single-source surface finishing solutions, worldwide!

▶ *Installation and training*

Machine installations and operator training are performed by our team of highly skilled and experienced service engineers

▶ *Spare parts service*

Surface finishing equipment generally is subject to a considerable amount of wear. For this reason preventive maintenance and prompt supply of spare parts are a key requirement for any surface finishing installation. Rösler maintains a complete inventory of spare parts in every branch, ensuring local supply and fast availability, be it wire mesh belts, blasting wheels, pressure vessels or any kind of nozzles, etc. To minimize downtime, parts are either delivered and installed by our own field service personnel or shipped to our customer's location overnight.

▶ *Maintenance and repair service*

Rösler maintains a well trained staff of professional field service engineers providing prompt, reliable maintenance and repair service at competitive rates as well as overhaul of your older equipment.

▶ *Professional advice*

Our finishing specialists stand ready to provide information regarding any kind of question relating to specific surface finishing problems. With decades of experience we will be able to provide you with the right answers.





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