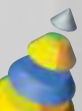


RÖSLER[®]
finding a better way ...

www.rosler.us



Vibratory Finishing 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 60 countries, we support our customers through 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. 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!



Experience and Expertise

Rösler is the only supplier of vibratory finishing (mass finishing) technology, which develops and produces all of their components in-house: vibratory finishing machine technology, consumables and peripheral equipment. A comprehensive package of expertise is available to all vibratory finishing users. This is supported and continuously improved in Rösler's Development and Test Centres all over the world. We invite you to take advantage of our technological leadership. Real cost savings can be achieved with Rösler's vibratory finishing process.

We are a strong Partner – Number 1 in Service

Finding a better way... is our commitment to our customers. To Rösler, service is not just an empty promise. Professional advice, short turn-around times and prompt and reliable after-sales service. Rösler offers single-vendor surface finishing solutions, worldwide!

Process Technology

Vibratory finishing is a proven, highly effective form of surface finishing. Thanks to Rösler's innovative developments, it now occupies an important place in the production process. The user benefits from a wide range of process technology possibilities to meet his needs. Due to their extraordinary efficiency, Rösler vibratory finishing systems are the most widely purchased systems in the world. Their success is due to their time and resource-saving operation.



ISO 9001: 2000



Vibratory Finishing Technology

With continuous expansion and improvement of our machine and process engineering we have become the largest supplier of vibratory finishing systems in the world. Our range of finishing media and compounds – consisting of over 8 000 different products – is unmatched by any other company in our field. Rösler is the only manufacturer in the world who has been awarded the DIN EN ISO 9001 certificate for the complete field of vibratory finishing. Our range of standard machinery has been awarded the UL "GS" Mark certifying that our products have been tested and certified according to the requirements of the German Device Safety Act.

Rotary Vibrators

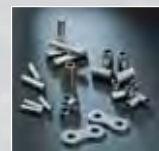
Rotary vibrators are the most commonly used vibratory finishing. They can be used for a wide range of applications, and with more than 10 000 units sold, they have thoroughly proven themselves in the marketplace.

Rotary vibrators can be expanded into fully automatic finishing systems by utilizing suitable peripheral material handling equipment.



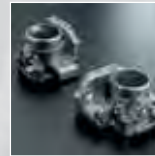
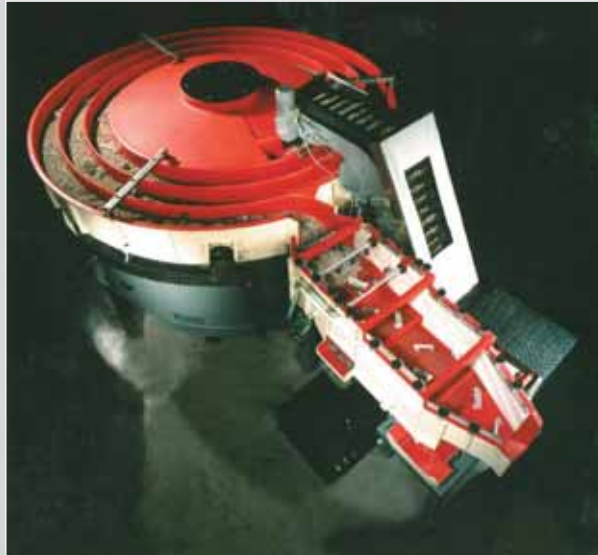
High Energy Disc Systems

Compared to vibratory equipment, high energy disc systems provide 15 to 20-times more processing intensity in terms of metal removal and processing time. Fully automated double-batch systems or semi-automatic machines can be custom-engineered to suit any surface finishing requirement.



Multi-Channel Systems

With a working channel length of 15 – 27 m (45 – 81 feet) these continuous-feed machines are ideal for finishing delicate parts which cannot touch each other during the finishing process. They are most often configured for fully automatic operation. Multi-Channel machines can also be utilized as stand-alone systems.



Long-Radius Vibrators

LR machines are used for batch and continuous-feed operation. They are characterized by a spiral-bottom type of work channel and an internal separation mechanism. LR machines are true continuous vibratory finishing systems that require a minimum of space. With processing times of up to 12 minutes, deburring, cleaning, deflashing or light radiusing of round sharp edges can be easily achieved in one pass. For heavy-duty radiusing, the LR machines can also be run in batch mode.



Tub Vibrators

Custom work bowl dimensions allow the processing of practically any parts size. With bowl widths of 180 – 1 500 mm (7 – 60 inches) and bowl lengths of 540 – 6 000 mm (22 – 240 inches), we can cover virtually any parts size and process requirement. Dividers allow the parts to be processed in individual chambers. Very delicate parts can be mounted on special fixtures.



Linear Continuous Systems

Deburring, radiusing, cleaning and ball burnishing are the most common applications for continuous, linear flow-through units. Work bowl dimensions with a usable width ranging from 300 to 850 mm (12 to 33 inches) and a usable length of up to 6 600 mm (260 inches) offer a wide variety of finishing solutions. With the addition of parts loading equipment and other peripheral components, linear flow systems can be fully automated, requiring limited operator involvement.



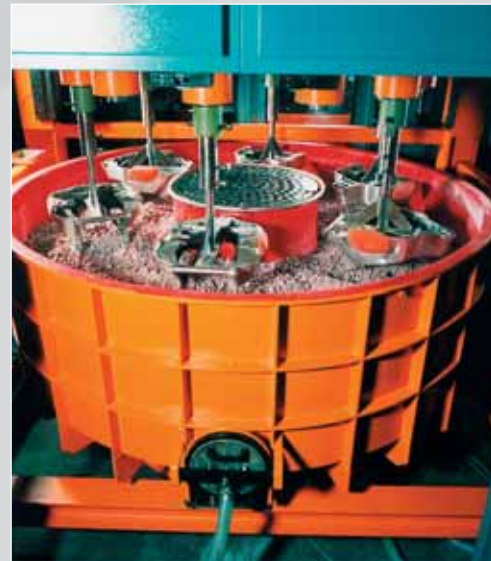
Plunge Finishing Systems

One or more components are mounted on a rotating spindle and dragged through a stationary bed of abrasive medium. The large variety of system parameters and available processing media provides highly specialized solutions to all kinds of surface finishing problems – from extremely aggressive grinding to high gloss polishing.



Drag Finishing Systems

Drag finishing is the most intensive type of mass finishing technology in terms of metal removal and processing time. A drag finisher consists of a rotating spinner (carousel) and stationary work bowl filled with grinding or polishing media. The spinner is equipped with up to 12 work stations. The parts are mounted onto these work stations with specially designed fixtures. As the rotating spinner is lowered into the work bowl the parts are dragged through the media. Drag finishers are ideal for precision finishing of delicate and high-quality parts such as gears, turbine blades, golf club heads, boat propellers, etc.



Process Water Circulation Systems

Most vibratory finishing applications allow the recycling of the process water, thus drastically reducing water and compound consumption. Rösler offers special centrifugal cleaning systems for cleaning and recycling the process water. Choose between fully automatic and highly economical semi-automatic centrifugal systems.



With our economical HA range, the separated solids (sludge) are easily and quickly removed from the rotary drum by simply exchanging the sludge basket. The fully automatic Z 1000 "peeling" centrifuge peels the sludge from the rotary drum according to preset time intervals and dumps it into the sludge container below the drum.

Post Finishing Systems – Drying · Washing · Passivation

Many mass finishing applications require rinsing, drying or passivating of the finished parts. These additional treatment units are usually directly linked to the mass finishing machine(s) by various types of transport systems, such as vibratory conveyors or conveyor belts. This ensures a quality finish with minimal labor costs.



Washing Installation



Rotary Dryer



Drum Dryer



Centrifugal Dryer



Belt Dryer

Media and compounds – Development, Production and Expertise

The wide range and quality of our media and compounds is the basis for achieving optimum and cost effective finishing results in an environmentally friendly manner. For over 50 years we have been developing and manufacturing high-quality media for use in vibratory finishing. These are complemented by compounds as well as polishing and drying media. With more than 8 000 different products we offer our customers a variety of products which will help solve the most difficult finishing tasks. We process only environmentally friendly raw materials and set high ecological standards for our media and compound production.



finding a better way...

Our commitment to our Customers

The name Rösler means technological excellence in the field of mechanical surface finishing. For several decades, we have been supplying our customers with high-quality and innovative products and services, and comprehensive expertise in process and equipment engineering. We know, however, that even the most reliable systems require first-class and competent service!

Test our Top Service!

- ▶ Professional consulting – “Our experience – your benefit”
- ▶ 24-hour hotline service (incl. Sun. and public holidays)
- ▶ Fast supply of spare parts
- ▶ Field service
- ▶ Maintenance and service contracts
- ▶ Rental units to bridge over the time for repairs
- ▶ Relines with full warranty



Repair Services

In addition to maintenance and repair service and process consultation, Rösler also offers relines and repairs for mass finishing equipment made by other manufacturers. The thermo strip method allows the removal of worn liners in an environmentally-friendly manner. The thermal liner removal process also reduces stresses in the work bowls, reducing the risk of cracks and increasing the bowl life. We offer different types of wear-resistant liner material tailored to customer's requirements. While your equipment is being serviced, we provide rental units to prevent lost manufacturing time. We offer on site lining services for large mass finishing bowls which are difficult to remove and transport.

Quality

Our manufacturing facilities are certified according to DIN EN ISO 9001 standards. For many years, we have been fully compliant with the most stringent customer specifications. Our quality procedures – in line with DIN ISO 9001 standards – provide complete documentation and constant improvement of all our manufacturing operations.

Test Centres

At our headquarters in Untermerzbach, and all of our branches, we operate test centres equipped with an extensive range of machinery to provide sample processing for our customers. Specialist process engineers advise customers on which process to select or help them to develop custom finishing solutions.

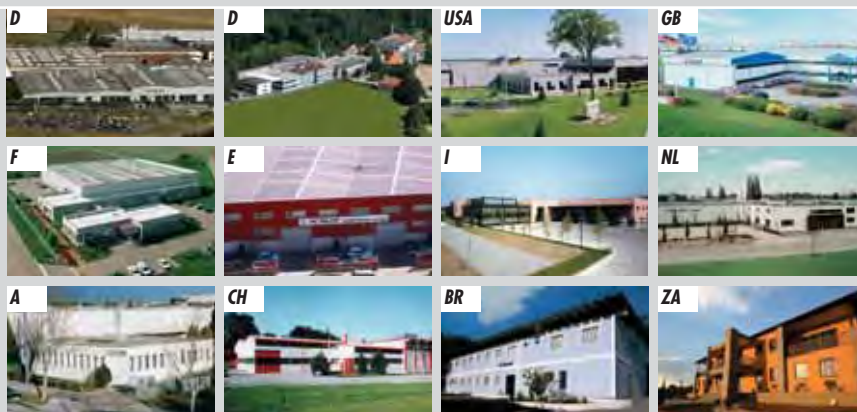


Test centres for vibratory finishing



*Laboratory for the development
of media and compounds*





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Mass Finishing · Shot Blasting · Engineering · Environmental Techniques

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