



# Consumables

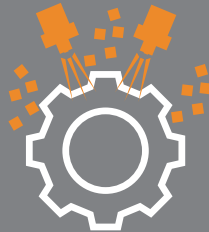


## Mass Finishing



High-performance equipment and innovative technologies – productive and cost-effective

## Shot Blasting



Customer-oriented equipment technology and intelligent process solutions – long-lasting and energy-efficient

## AM Solutions



Comprehensive solutions for additive manufacturing, especially 3D post processing equipment

› **80**

More than 80 years of **experience**



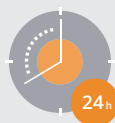
**15** locations –  
over **150** distributors –  
over **1,500** employees **across the globe**



Worldwide **Customer Experience Center**



More than **15,000**  
**different types of media and compounds**



Our technical service –  
**round-the-clock support**



**Transfer of professional knowledge**  
by certified trainers

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# MEDIA AND COMPOUNDS

In addition to our machine program, we also offer the most comprehensive range of media and compounds in the world. All our consumable products have been developed and produced in-house with „Made in Germany“ quality. With over 80 years of

experience in the field of surface finishing we can provide our customers with tailor-made processes for new applications and solutions for product improvement and cost reductions.

**Stable and repeatable finishing processes are our specialty.**



## The world's largest range of media and compounds

With around 15,000 products our portfolio of consumables is the largest in the world. It includes ceramic and plastic grinding and polishing media, compounds and process water cleaners. All our consumables can be individually adapted to the needs and requests of our customers.



Our ceramic media production



## Quality

Our production complies with the most stringent environmental standards and is subject to strict quality controls per DIN EN ISO 9001 and 50001.

## Excellent product availability

Our central warehouse in Germany stocks more than 8,000 tons of media and compounds. In addition, our global network of branches and many of our channel partners maintain warehouses with consumables close to our customers.

# CUSTOMER EXPERIENCE CENTER

## MASS FINISHING

A major strength of the Rösler business approach is that **we look at all aspects of a finishing task**. The equipment and the processes are individually tailored to the respective finishing requirements, but also to their optimal integration into the customer's manufacturing operation. Most of the Rösler sales

branches have their own **Customer Experience Centers (CEC)**, equipped with the latest finishing equipment.

To investigate the various finishing possibilities, in our CEC we are conducting **processing trials** with the work pieces of our respective customers.



### Process development and process optimization

**Our all-around approach** guarantees perfect finishing solutions. This includes processing trials, process development, selection of the right machinery and a professional after sales service.

In our CEC, equipped with ultra-modern equipment, we can run practically any mass finishing process.

State-of-the-art **physical and chemical measuring** equipment represents a vital tool for process development and optimization.

The entire focus of our specialists in the engineering and R & D departments is on developing **tailormade finishing solutions**.

### Product development and optimization

The enormous depth of the Rösler product range, **CEC around the world** and our well-equipped laboratory at the Untermerzbach location in Germany are an excellent basis for the development of innovative and cost-efficient products in the field of mass finishing.

All our products, be it consumables, finishing equipment, vibratory motors, process water cleaning centrifuges, as well as work piece handling systems and post processing equipment like dryers, are **developed and manufactured** in-house. Such a high manufacturing depth is unparalleled in our industry.

# SELECTION CRITERIA FOR RÖSLER CONSUMABLES

## Mass Finishing

Deburring | Rough grinding | Fine grinding | Smoothing | Polishing | RADIUSING | Cleaning | Degreasing | Descaling | Corrosion Protection | Rust Removal | Ball Burnishing | Pressure Deburring

<b>Media</b>	Composition	The composition of the media determines grinding performance and the effect on the surface.
	Shape	The shape of the component to be finished determines the shape of the media required. The correct fit between media and component ensures that all surface areas are finished consistently, and there is no lodging of the media. The shape of the media also has an effect on the performance. Angled and edged shapes are more aggressive than rounded shapes.
	Size	Size and weight are key factors in determining performance. Large, heavy media cuts more aggressively, and leaves a rougher surface; small, lightweight media is less aggressive and more suitable for smoother surface requirements.
	Separating	Once the process is finished, the media must be separated completely from the components. Screening is the most common method of separation, requiring that the media be smaller than the components. Ferrous components may be separated magnetically. Inverse separation may be used in cases where the media is larger than the components. Custom solutions can be developed to meet individual requirements.
<b>Compound</b>	Type	The mass finishing compound is an important part of the finishing process, and the right compound makes the difference between a good surface finish and a great surface finish. Compounds keep the surfaces of the media and components clean, and can also provide corrosion protection and/or degreasing. In order to determine the right compound for the process you must consider: <ul style="list-style-type: none"> <li>▶ the material the component is made of</li> <li>▶ the required surface finish</li> <li>▶ the individual application and process requirements</li> <li>▶ the properties of the compound</li> </ul> <p>Due to the ease of dosing, liquid compounds are most widely used with modern finishing systems. Powder compounds are recommended for special applications such as shock degreasing and media cleaning.</p>
<b>Other</b>	Adhesion Prevention	Adding Rösler's RAT anti-adhesion balls to the surface finishing process prevents parts from sticking to one another and ensures that all sides of all parts will be finished consistently.
	Grinding Additive	To enhance the grinding performance of media in certain applications, a grinding Additive is used. It is applied to each batch manually at a rate of 0.5 to 1.0 kg per 100 kg of media, or automatically using powder dosing systems.

If you have any questions, please contact us or our sales representatives!

## Special Processes

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<b>RÖSLER Keramo-Finish®</b>	Media	RP and RCP ceramic media with minimum abrasion are used for the finishing and polishing processes.
	Compound	This process requires a combination of RÖSLER Keramo-Finish® RSP and RPP pastes, followed by Rösler FC and ZF series compounds for rinsing off the pastes and final polishing.
<b>Rösler ISF® Chemically accelerated mass finishing</b>	Media	Special ISF®-Media
	Compound	Special compounds for chemically accelerated surface finishing are matched to the materials to be processed.
<b>Rösler Ball Polishing and Pressure Deburring</b>	Media	Stainless steel media from the RESK, RESA or SAT series is used and Pressure Deburring to burnish or pressure deburr parts in the surface finishing system.
	Compound	FC series ball burnishing compounds are used to provide optimum results.
<b>Rösler Dry Polishing</b>	Media	Rösler polishing media SV and SVK series are used for this process. They are pre-treated with dry polishing pastes.
	Compound	Rösler dry polishing pastes of RPP 7.. and RSP 7.. series.

For processing your components, we manufacture a complete line of surface finishing equipment:

Rotary vibrators | Tub vibrators | Continuous Flow installations | Rotomatics | Long Radius | Plunge finisher | Centrifugal disk finishing machine | Drag grinding installations | Drying machines

**Catalogues are available upon request.**



# QUALITY ABRASIVE MEDIA

the most comprehensive range in the world

CERAMIC MEDIA



PLASTIC MEDIA



## Ceramic Media Production

Rösler ceramic media is manufactured to exacting standards. We do our own body preparation, formulation, and maintain full control over all aspects of the manufacturing process. Starting with specially selected raw materials, the materials are mixed, formed and fired in a fully-automated state-of-the-art kiln to ensure consistent quality, and continuously reproducible results. Rösler has been producing high-quality media for over 60 years, and has the experience and the technology to ensure that our media is capable of finishing components to the highest standards, and balancing quality and cost.



## Plastic Media Production

Our standards are no less exacting for our plastic media. Where others follow, we continuously improve our production processes to stay in the lead. The entire production process, mixing to forming to curing is totally automated. The process is computer controlled and continuously monitored. All shapes and sizes of our finishing media are cured. This allows us to increase quality further, and is a requirement for ensuring consistent wear and cutting performance, and above all, reproducible results during the finishing process.



## Supply Quality

In our central warehouse, and in the warehouses of our subsidiaries worldwide, we stock approx. 8,000 tons of high-quality consumables, ensuring timely supply of the consumables you need, when you need them



# CERAMIC MEDIA




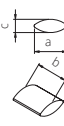
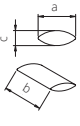

<b>Ordering Example:</b>	<b>Quality</b> RM	<b>Measurement</b> 10/15	<b>Shape</b> S
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Quality	Specific Weight g/cm <sup>3</sup>	Grinding Performance	Grinding Effect
<b>RP Keramo-Finish®</b>	<b>2.91</b>		
<b>RF</b>	<b>2.40</b>		
<b>RCP</b>	<b>3.60</b>		
<b>RM</b>	<b>2.49</b>		
<b>RPM</b>	<b>2.50</b>		
<b>RCB</b>	<b>2.50</b>		
<b>RS</b>	<b>2.52</b>		

Shape	D Triangle	F Triangle with big radius	S* Angle Cut Triangle	Z Cylinder	ZS* Angle Cut Cylinder	QZ Quinto
	<b>a/b</b>	<b>a/b</b>	<b>a/b</b>	<b>a/b</b>	<b>a/b</b>	<b>a/b</b>
Measurement (mm)	02/02 09/09 03/03 10/06 04/04 10/10 06/06 15/15 07/07	10/10	03/08 06/10 04/04 08/12 04/10 09/09 05/05 10/15 05/10 12/04	0,8/03 03/10 1,4/05 04/10 1,5/05 05/10 1,7/05 06/10 01/03 07/15 02/05 10/15 03/05 12/25	01/03 04/10 1,2/03 04/13 1,4/05 05/10 1,5/05 06/10 1,7/05 06/13 02/05 07/15 03/05 08/15 03/10 09/20 04/05 10/20	08/08
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Special types: RSS/SCH, RPM/D, RSA, RMM, RMB/S, RMST, RXXF, RFP, RPA, RBCP, RA, RXX, RMA, RSD, RMB, S-Type, RFS, RXXD, RXX/2, RIC/F, ROM/A, RSRE, RSRED, RCP/2, Steatit balls

Further dimensions on request.  
Special types for specific fields of application – contact us or our sales representatives!

<b>DZ</b> Tristar	<b>DZS*</b> Angle Cut Tristar	<b>ST</b> Star	<b>E</b> Ellipse	<b>ES*</b> Angle Cut Ellipse	<b>W</b> Elbow	<b>P</b> Pyramid	<b>K</b> Cone	<b>R</b> Rhombus	<b>PA</b> Paraboloid	<b>G</b> Granulate			
													
													
<b>a/b</b>	<b>a/b</b>	<b>a/b</b>	<b>a/b/c</b>	<b>a/b/c</b>	<b>a/b</b>	<b>a/b</b>	<b>a</b>	<b>a/b/c</b>	<b>a/b</b>	<b>Ø</b>			
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10/10 20/20	10/10 15/15 15/18 20/10	20/12 22/10 30/12 45/16	14/14/05 15/15/04 15/15/06 20/20/08 20/20/10 25/25/10 25/25/15	20/15/08 25/25/13 25/30/10	20/20 15/15 sk	15/16 22/29 25/27 30/34 35/39 40/45 P/R 45/50 P/R 15 P/PQ	19 20 25 30 45						
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\* Angle of angle cut media 30°, sk: sharp-edged, P/PQ: mixture of pyramids and tetrahedrons  
P/R: pyramid with big edge radius

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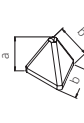
# CERAMIC MEDIA

<b>Ordering Example:</b>	<b>Quality</b> RM	<b>Measurement</b> 10/15	<b>Shape</b> S
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Quality	Specific Weight g/cm <sup>3</sup>	Grinding Performance	Grinding Effect
<b>RSS</b>	<b>2.52</b>		
<b>RSF</b>	<b>2.39</b>		
<b>RSG</b>	<b>2.51</b>		
<b>RXF</b>	<b>2.63</b>		
<b>RX</b>	<b>2.60</b>		
<b>RMB/D1</b>	<b>2.55</b>		
<b>RXX</b>	<b>2.67</b>		

Shape	<b>D</b> Triangle	<b>F</b> Triangle with big radius	<b>S*</b> Angle Cut Triangle	<b>Z</b> Cylinder	<b>ZS*</b> Angle Cut Cylinder	<b>QZ</b> Quinto
	<b>a/b</b>	<b>a/b</b>	<b>a/b</b>	<b>a/b</b>	<b>a/b</b>	<b>a/b</b>
Measurement (mm)	04/04 20/20 06/06 25/25 10/10 40/40 13/13 50/50 15/15	04/04 06/06 13/13 15/15 20/20 22/22	02/20 20/30 04/10 25/25 06/13 30/23 10/15 30/25 13/26 30/30 15/18 35/35 20/20	07/13 20/40 10/20 25/40 12/25 15/40 18/40	05/10 12/20 06/10 15/25 07/14 15/40 08/20 20/40 09/20 25/25 10/20	
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	04/04 20/20 06/06 25/15 08/08 25/25 10/10 30/30 13/13 40/40 15/15	08/06 13/13 15/15	04/08 15/18 06/13 20/20 10/15 25/25 13/13 30/23 15/15 30/30	02/06 07/13 07/13 08/20 10/20 20/40	02/05 08/15 03/05 10/20 04/10 12/25 05/10 15/25 06/13 20/20 07/15	12/12 15/15 15/18 20/20
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Special types: RSS/SCH, RPM/D, RSA, RMM, RMB/S, RMST, RXXF, RFP, RPA, RBCP, RA, RXR, RMA, RSD, RMB, S-Type, RFS, RXXD, RXX/2, RIC/F, ROM/A, RSRE, RSRED, RCP/2, Steatit balls

<b>DZ</b> Tristar	<b>DZS*</b> Angle Cut Tristar	<b>ST</b> Star	<b>E</b> Ellipse	<b>ES*</b> Angle Cut Ellipse	<b>W</b> Elbow	<b>P</b> Pyramid	<b>K</b> Cone	<b>R</b> Rhombus	<b>PA</b> Paraboloid	<b>G</b> Granulate
										
 <b>a/b</b>	 <b>a/b</b>	 <b>a/b</b>	 <b>a/b/c</b>	 <b>a/b/c</b>	 <b>a/b</b>	 <b>a/b</b>	 <b>a</b>	 <b>a/b/c</b>	 <b>a/b</b>	 <b>Ø</b>
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06/06	04/04 04/10 06/06 10/12 15/18 15/10 sk	30/12 45/16	08/10/03 14/14/05 15/15/06	20/20/08	14/14 sk	35/39				5,5 8
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10/10	10/12 15/18 15/06 20/20 30/10	45/16	14/14/05 20/20/08	25/25/13	10/10 15/10 15/15 20/20			50/40/40		

\* Angle of angle cut media 30°, sk: sharp-edged, P/PQ: mixture of pyramids and tetrahedrons  
P/R: pyramid with big edge radius



# PLASTIC MEDIA

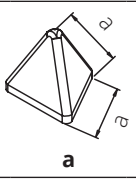
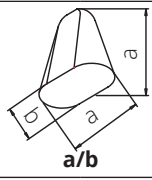
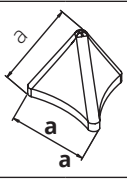
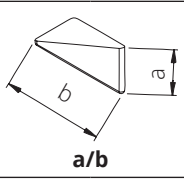

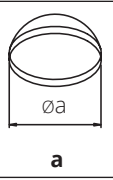
<b>Ordering Example:</b>	<b>Quality</b> RKM	<b>Measurement</b> 40	<b>Shape</b> P
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Quality	Specific Weight g/cm <sup>3</sup>	Grinding Performance	Grinding Effect	
<b>RKF</b>	<b>1.51</b>			
<b>RKM</b>	<b>1.72</b>			
<b>RKH/4</b>	<b>1.97</b>			
<b>RKK</b>	<b>1.79</b>			
<b>RKB/W</b>	<b>1.78</b>			
<b>RKG</b>	<b>1.72</b>			
<b>RKB/W2</b>	<b>1.80</b>			
<b>RKV</b>	<b>1.82</b>			
<b>RKS</b>	<b>1.85</b>			
<b>RKE</b>	<b>1.82</b>			
<b>RKX</b>	<b>1.82</b>			

Measurement (mm)	Shape	
	K Cone	
10	20	
12	25	
15	30	
18		
10	25	60
12	30	70
15	35	
18	40	
20	50	
6	18	
10	20	
12	25	
15	30	
10	25	
12	30	
15	40	
20	50	
10	20	40
12	25	50
15	30	60
18	35	70
6	15	25
10	18	30
12	20	
12	30	60
15	35	
20	40	
25	50	
10	20	60
12	25	
15	30	
18	40	
10	25	60
12	30	
15	40	
20	50	
10	20	
12	25	
15	30	
18	40	
10	20	
12	25	
15	30	

Special types: RKP, RKF/O, RKD, RKB/H, RKB/W1, RKB/W3, RKB/W4, RKB/W43, RKS/2, RKS/3, RKS/G, RPU, RPE, RKM/E, RKF/B, RKS/F, RKE/F, RKE/5, RKE/6, RKX/F, RKH, RKH/5, RBKM, RKB/WB 1, RKB/WB 2, RKS/M, RKV/YF, RKEY2

Further dimensions on request.  
Special types for specific fields of application – contact us or our sales representatives!

	<b>P</b> Pyramid			<b>PA</b> Paraboloid		<b>PDZ</b> Tristar Pyramid		<b>DK</b> Wedge		<b>QZ</b> Quinto		<b>L</b> Lens	
													
	6 PQ 10 12 15	20 25 30 40	50 60	16/10 20/11 29/17 40/23									
	6 PQ 10 12 15 20	25 30 40 45 50	60 70 80	16/10 20/11 29/17 35/19	40/23 50/27 60/33 70/39	20 25 30 40 60	65/25 DZ					16	
	6 PQ 10 12 15	20		16/10 20/11 29/17		20 30		10/20 12/16 15/20 20/36		20		16	
	10 12 15 20	25 30 40 50	60	20/11 29/17 40/23 50/27	60/33	20 30 40							
	6 PQ 10 12 15	20 25 30 40	50 60	16/10 20/11 29/17 35/19	40/23 50/27 60/33 70/39	20 25 30 40 60		10/20					
	6 PQ 10 12 15	20 30		16/10 20/11 29/17		20		10/20				16	
	12 15 20 25	30 40 45 50		20/11 29/17 40/23 50/27	60/33 70/39	20 30 60		10/20				16	
	10 12 15 20	30		16/10 20/11 29/17		30							
	10 12 15 20	25 30 40 50	60 80	16/10 20/11 29/17 40/23	50/27 60/33 70/39	20 25 30 40 60							
	6 PQ 10 12 15	20 25 30		16/10 20/11 29/17 40/23									
	6 PQ 10 15 20	30 40		20/11 29/17 50/27									

PQ: square base, DZ: pyramid tristar obtuse







# MASS FINISHING COMPOUNDS

the most comprehensive range in the world

## Rösler Mass Finishing Compounds

Rösler's compounds are ideal for all surface finishing processes. Their manufacture combines environmental protection, precision, and quality of process technology.



Our Research and Development process takes place both in our development

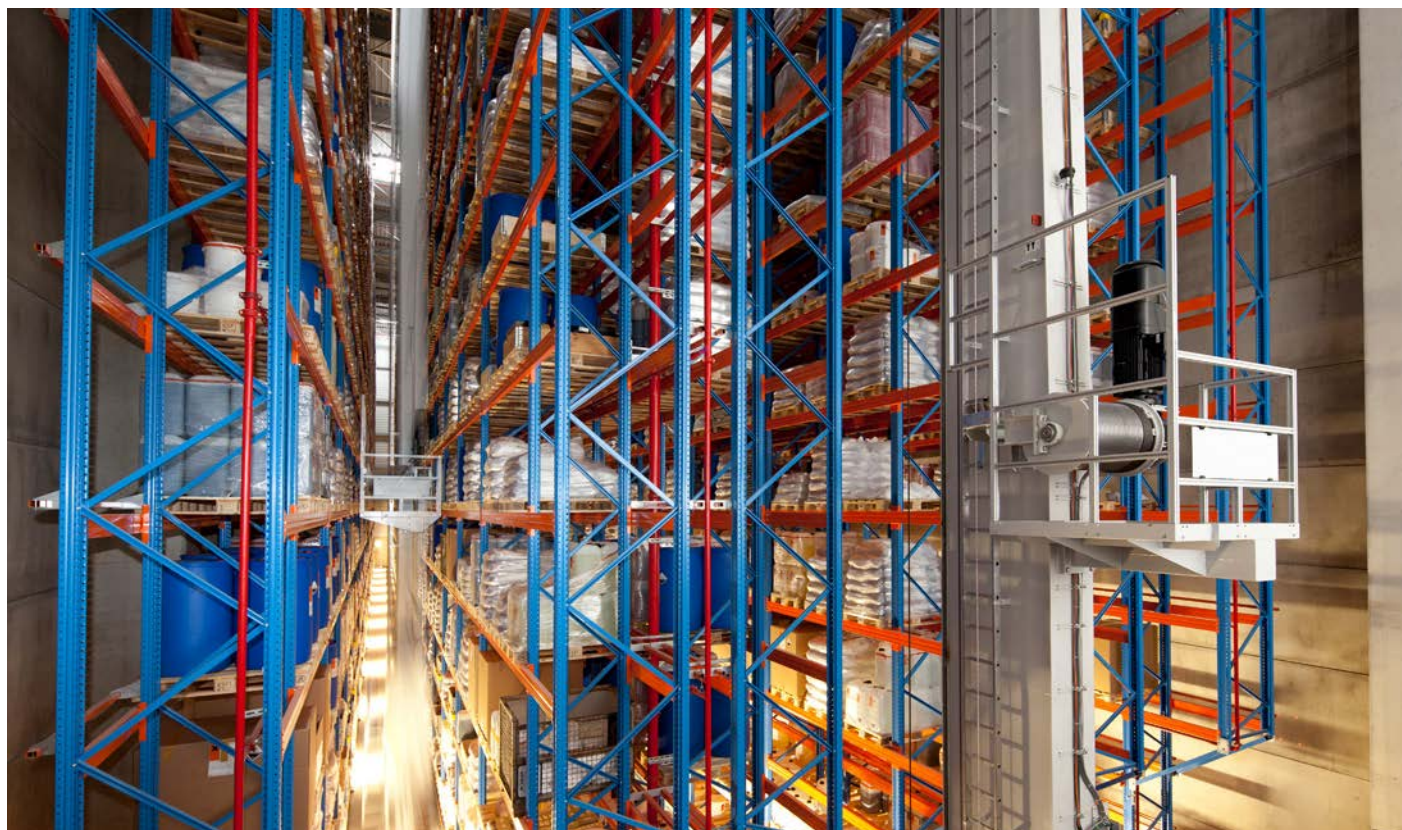
laboratory and in our test centres worldwide. We are continuously improving our products, as well as developing new ones, ensuring that we can always provide the right compound to fit your process and your budget.

Thorough testing of raw materials and finished products according to DIN EN ISO 9001 and 50001 standards allow us to fully document the quality control used in the production of our consumables. Regardless of which of our products you utilize, you can be sure that environmental protection will be a part of your surface finishing process.

## Supply Quality

In our central warehouse, and in the warehouses of our subsidiaries worldwide, we stock 8,000 types of high-quality

consumables, ensuring timely supply of the consumables you need, when you need them.



# LIQUID COMPOUNDS

Rösler's liquid compounds are the foundation of the modern mass finishing process. Thanks to their ability to remove contaminants such as metal and/or media fines from the process, they keep the components and the media clean and

ensure that the media perform properly. Choose the right product for your application from Rösler's product range. This will guarantee that your solution is both economical and environmentally-friendly.

Type	FC 115	FC 120	FC 230	FC 310	FC 321	FC 396	FC 410	FC 430	FC 491	FC 630 AL	
<b>Description</b>	Corrosion protection for all rust-sensitive ferrous metals	Universal cleaning and polishing material with corrosion protection	Cleaning and polishing compound for non-ferrous metals and stainless steel	Alkaline liquid compounds for all metals	Degreasing compound with corrosion protection	High alkaline degreasing compound special for high oily components	Etching compound	Etching and polishing compound for all non-ferrous metals and stainless steel	Passivation compound to improve the adhesion and bonding properties of aluminum	Polishing compound with brightening effect for all metals, especially titanium	
<b>pH Value 0.5 %</b>	8,8	7,6	7,8	10,0	7,6	11,7	1,8	2,8	2,3	7,9	
<b>material</b>	Steel/Iron	++	+	•	++	+	++	+	•	•	
	Stainless Steel	•	+	++	++	++	++	+	++	•	
	Copper/Brass	•	+	++	+	++	•	+	++	++	
	Aluminum	•	+	++	++	++	•	++	++	++	
	Zinc	•	+	+	+	++	•	+	+	++	
	Magnesium		•	+	•	+					+
<b>application</b>	Grinding/ Deburring/ Radiusing Edges	++	+	+	++	++	++	•	•	•	
	Degreasing/ De-oiling		•	•	+	++	++	•		•	
	Smoothing/ Polishing	•	+	++	•	+	•	+	++	++	
	Etching				-			++	+	++	
	Polishing		+	++		+		+	++	++	
	Ball Polishing		•	+				++	++		+
	Descaling/ Derusting							++	+		
<b>properties</b>	Corrosion Protection	++	+	•	++	+	++	•	+	•	
	Cleaning	+	+	+	++	++	+	+	++	+	
	Degreasing		•	•	+	++	++		•	•	
	Brightening	•	+	++	+	++	•	+	++	•	
	Foam	•	+	+	-	•	•	+	++	+	++

Subject to revision

- ++ = very well suited/high
- + = suitable/average
- = conditionally suitable/less



# RECIRCULATION COMPOUNDS

Rösler's recirculation compounds are a combination of technology, functionality, biological stability, and high durability that provide consistent process quality for every application.

Type	ZF 110 i	ZF 113	ZF 138	ZF 311	ZF 322	ZF 322 S	
<b>Description</b>	Corrosion protection for all rust-sensitive ferrous metals	Universal cleaning compound with corrosion protection for all ferrous and non-ferrous metal	Cleaning compound with high corrosion protection for all ferrous metals	Low foam cleaning and passivating compound, particularly suitable for very oily stamped parts	Degreasing compound with corrosion protection for all metals	Degreasing compound with good corrosion protection for all ferrous and nonferrous metals	
<b>pH Value 0.5 %</b>	9,9	8,9	9,4	9,6	8,4	9,0	
<b>material</b>	Steel/Iron	++	+	++	++	+	++
	Stainless Steel	+	+	++	+	++	++
	Copper/Brass	•	+	•	•	+	+
	Aluminum	•	+	•	•	++	++
	Zinc	•	+	•	•	+	++
	Magnesium		•			•	+
<b>application</b>	Grinding/ Deburring/ RADIUSING Edges	++	++	++	++	+	++
	Degreasing/ De-oiling	•	+	+	++	++	++
	Smoothing/ Polishing	++	+	•	•	+	+
<b>properties</b>	Corrosion Protection	++	+	++	++	+	++
	Cleaning	+	+	++	++	++	+
	Degreasing	•	+	++	++	++	++
	Brightening	•	+	++	•	++	+
	Foam	•	•	•	•	•	•

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We provide **special compounds for special processes.**  
Please contact us.

# POWDER COMPOUNDS

Powdered mass finishing compounds work in tandem with other products. These include: initial degreasing, etching and descaling, enhancing cutting performance of media, and cleaning of grinding media.

Type	R 11	R 20	R 35 E	R 40	R 55	R 60	
<b>Description</b>	Corrosion protection and cleaning compound	Cleaning and corrosion protection compound with brightening effect	Universal degreaser with corrosion protection	Acid product for etching and descaling	Grinding additive for increasing grinding performance and cleaning grinding bodies	Polishing compound with brightening effect	
<b>pH Value 0.5 %</b>	11,2	9,2	10,6	1,8	10,4	8,9	
<b>material</b>	Steel/Iron	++	+	++	+	++	+
	Stainless Steel	+	+	+	+	+	+
	Copper/Brass	•	+	+	+	+	++
	Aluminum	•	+	+		•	+
	Zinc	•	+	+		•	+
	Magnesium			•			
<b>application</b>	Grinding/ Deburring/ Radiusing Edges	++	+	++		++	+
	Degreasing/ De-oiling	+	+	++			
	Smoothing/ Polishing	+	+	+		•	++
	Etching				+		
	Polishing		+				++
	Ball Polishing						+
	Descaling/ Derusting				+		
<b>properties</b>	Corrosion Protection	++	+	++		•	+
	Cleaning	++	+	++		+	+
	Degreasing	+	+	++			
	Brightening	+	+	+			++
	Foam	+	+	+	+		+

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# GRINDING PASTES

The RÖSLER Keramo-Finish® grinding process is particularly economical with our grinding pastes in non-circulated processes.

Type	RSP 626	RSP 6264	RSP 6268	RSP 628	RSP 6286	standard	recirculation	suitable for automatical dosing by pump
Description	Universal grinding product	Product with enhanced grinding performance	Very strong grinding product	Product with enhanced grinding performance	Extremely strong grinding product			
pH Value 0.5 %	approx. 9.0	approx. 9.3	approx. 9.3	approx. 9.5	approx. 9.0			
material	Steel/Iron	++	++	+	+			
	Stainless Steel	+	+	++	++			
	Copper/Brass	+	+	+	+			
	Aluminum	•	•	•	•			
	Zinc	•	•	•	•			
application	Grinding/Deburring/Radiusing Edges	+	++	++	++			
	Smoothing/Polishing	+	•	•	•			
circulation powder	RSP 506 S	RSP 5064 S	RSP 587	RSP 508	RSP 5086 S			
pumpable paste for circulation application	RSP 806	RSP 8064	RSP 887	RSP 808	RSP 8086			

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Please contact us.

# POLISHING PASTES

The RÖSLER Keramo-Finish® polishing process refines, superfinishes, and produces mirror-bright, high polish surfaces. Rösler polishing pastes are designed to produce the required

surface finish, are environmentally-friendly, and economical to utilise. In addition to pastes, we have also developed powdered products for use with recirculation systems.

Type	RPP 623	RPP 627	RPP 6279	RPP 629	RPP 632 R	standard	recirculation	suitable for automatical dosing by pump
Description	Polishing product with light grinding effect	Light grinding product with good smoothing and polishing effect	Universal product for polishing	Polishing product with good brightening power	Polishing additive with good brightening effect			
pH Value 0.5 %	approx. 9.2	approx. 8.6	approx. 9.0	approx. 9.0	approx. 8.7			
material	Steel/Iron	++	+	++	+	+		
	Stainless Steel	+	++	++	+	+		
	Copper/Brass	•	+	++	++	++		
	Aluminum	•	•	•		•		
	Zinc	•	•	•		•		
application	Grinding/Deburring/ RADIUSING Edges	+	+	+	•	•		
	Smoothing/Polishing	+	++	++	++	++		
	Polishing	+	+	++	++	++		
circulation powder	RPP 503	RPP 527	RPP 579	RPP 590	RPP 520			
paste for recirculation, pumpable	RPP 803	RPP 827	RPP 879	RPP 890	RPP 820			

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# DRY POLISHING MEDIA AND COMPOUNDS

Dry polishing media SV (corn cob) and SVK (nut shells) are treated with dry polishing compounds for use in rotary vibrators, high-energy centrifugal systems, and barrels. This media/compound combination works to achieve a fine,

smooth high-end polish with a bright luster on ductile surfaces. We can also adapt both media and compounds for specialised applications. All dry polishing media is ready to use, and available in a variety of sizes.

Type	RPP 746	RPP 747	RPP 7221 A	RPP 722 L3
<b>Description</b>	Polishing additive with particular brightness	Polishing additive with good brightening effect	Polishing additive with good brightening effect for stainless steel	Polishing additive with good brightening effect
<b>material</b>	Plastic	+	+	+
	Stainless Steel	+	+	+
	Non-ferrous material	+	+	+
	Aluminum	+	+	+
	Zinc	+	+	+
<b>appli- cation</b>	Smoothing/ Polishing	+	+	+
	Polishing	+	+	+

Subject to revision

+ = suitable/average

We provide **special compounds for special processes.**  
Please contact us.



# AUXILIARY MASS FINISHING MEDIA

Rösler stainless steel media is available in a variety of shapes, including ball, ballcone, satellite and pin, for high-lustre burnishing

and pressure deburring of ferrous and non-ferrous metal components.

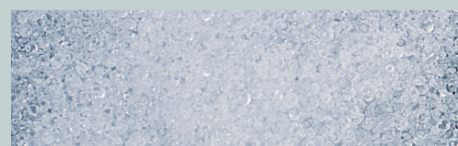
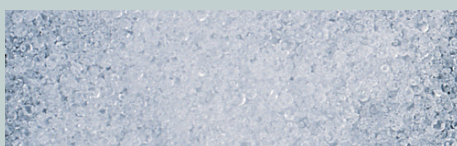
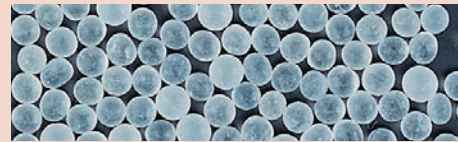
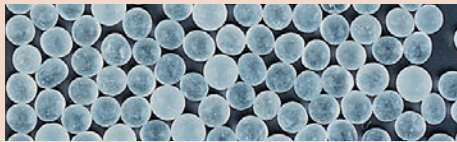
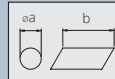
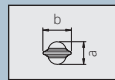
Stainless Steel Polishing Media	Materials	Designation	Dimensions in mm		Grain Size
			Ø	a/b	
<b>Balls</b>	1.4301 = AISI 304 1.4034 = AISI 420 1.4401 = AISI 316	RESK 2.0 RESK 2.8 RESK 3.2 RESK 3.9 RESK 4.5 RESK 5.0	Ø 2.0 <sup>1</sup> Ø 2.8 <sup>1</sup> Ø 3.2 <sup>1</sup> Ø 3.9 <sup>1</sup> Ø 4.5 <sup>1</sup> Ø 5.0 <sup>1</sup>		
<b>Ballcones</b>	1.4301 = AISI 304 1.4034 = AISI 420 1.4401 = AISI 316	SAT 03/05 SAT 05/07 SAT 07/10 SAT 08/12		03/05 05/07 07/10 08/12	
<b>Pins</b>	1.4301 = AISI 304 1.4034 = AISI 420	RESA 01/05 RESA 01/09 RESA 1.6/07 RESA 02/05 RESA 03/03 RESA 03/09		01/05 01/09 1.6/07 02/05 03/03 03/09	

<sup>1</sup> good class G600

Dry and Polishing Media	Materials	Designation	Dimensions in mm		Grain Size mm
			Ø	a/b	
<b>Drying granulate Supervelat SV</b>	Maize-cellulose product for spotless drying, cleaning, and polishing components.	SV 6 SV 8 SV 12 SV 16 SV 20 SV 30 SV 40			2.0-5.0 approx. 2.0-4.0 approx. 1.6-2.0 approx. 0.8-1.6 approx. 0.6-1.0 approx. 0.4-0.7 approx. 0.2-0.4 approx.
<b>Nutshell Granulate</b>	Natural product for polishing components.	SVK 6 SVK 8 SVK 16 SVK 20 SVK 30 SVK 40			2.40-4.00 approx. 1.70-2.40 approx. 1.40-1.70 approx. 0.45-1.00 approx. 0.45-0.80 approx. 0.20-0.45 approx.
<b>Glass Balls</b>		RGK RGK RGK	Ø 3 Ø 4 Ø 5		

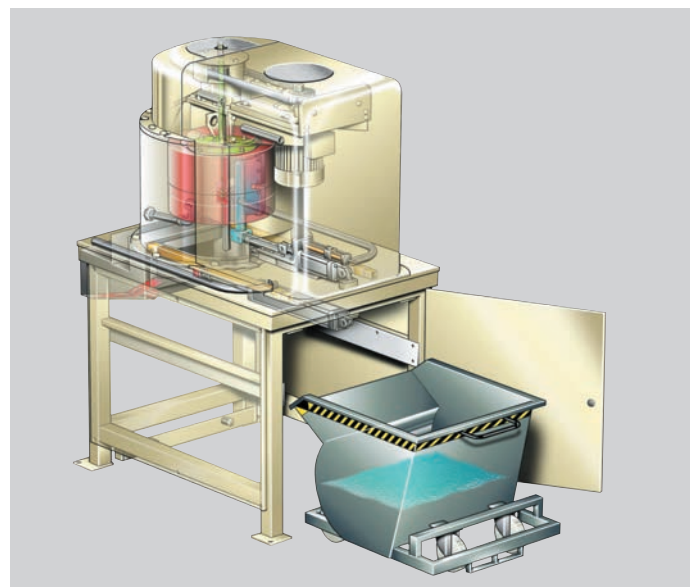
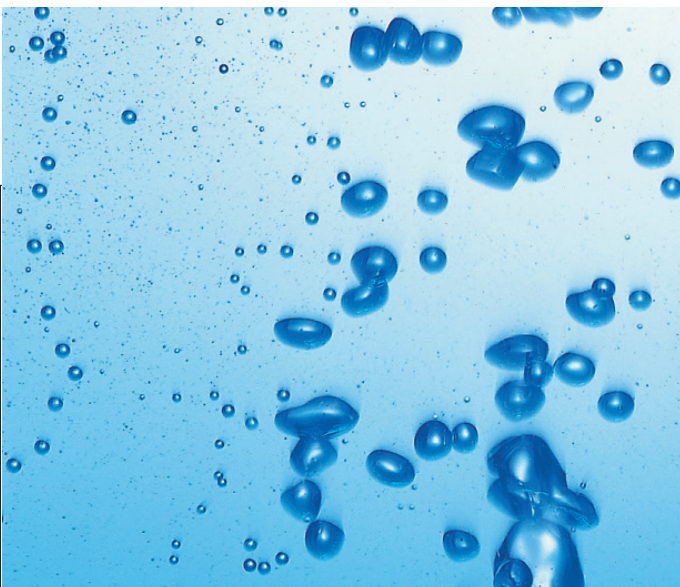
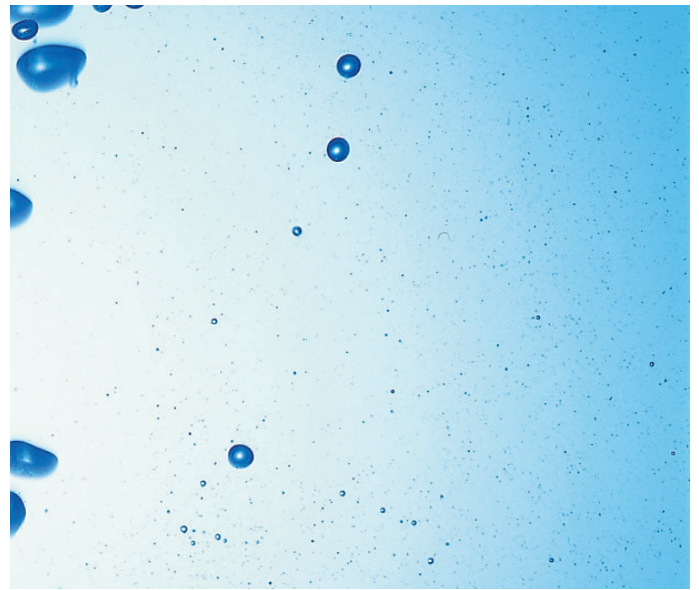
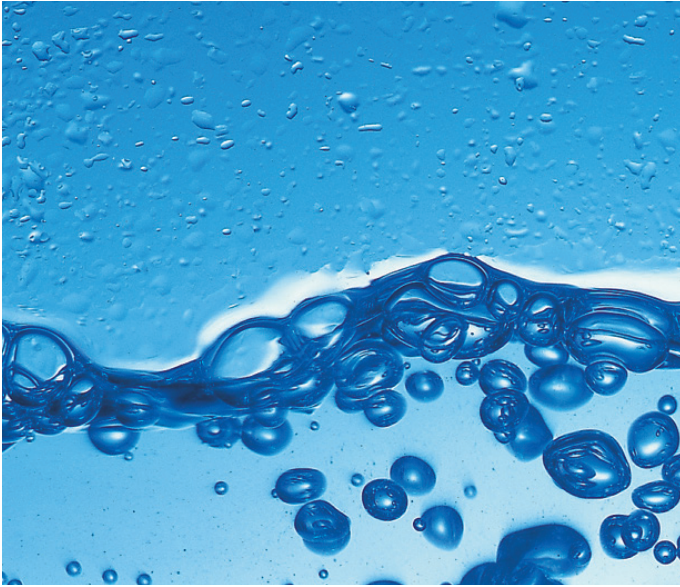
<b>Anti-stick Separating Balls</b>	Prevents the sticking of flat components in all grinding operations.	RAT 1 RAT 2			0.3-0.9 approx. 0.05-0.25 approx.
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Further dimensions and steel qualities on request





# PROCESS WATER CLEANING



## Process Water Cleaning

is the use of recirculating centrifuges, recirculating compounds and process water additives in a coordinated combination. We offer you for this:

- ▶ process water centrifuges with Turbo-Floc® technology
- ▶ process water separators and settling tanks
- ▶ auxiliary equipment, such as buffer tanks, reaction tanks, and lifting stations

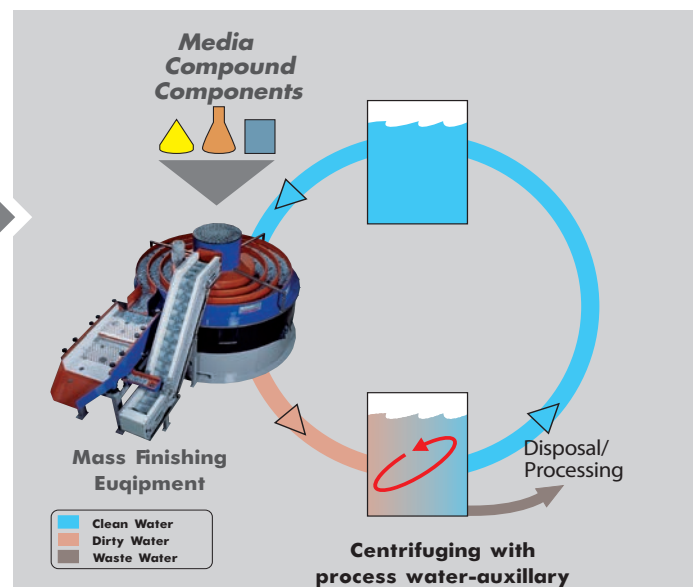
Chemical and mechanical waste water treatment systems complete our range of equipment and processing chemicals:

- ▶ semi-automatic and fully automatic flocculation systems with capacities from 50 to 5.000 l/h.

### Recirculation Process

Compared to traditional surface finishing without process water recirculation, you can achieve savings of up to:

- ▶ 80 % in compound usage
- ▶ 95 % in process water consumption



## Process Water Cleaners (circulation systems)

### Liquid for circulation system

Type	AR 8400	AR 8403	AR 8404	AR 8405	AR 8407
Function	Cationic Polymer for keeping the recycling system stable				
Consumption	As supplied or mixed with water at a ratio 1:4 up to 1:10, approximately 0.1 – 1.0 kg/m <sup>3</sup>				

Subject to revision

### Powder for circulation system

Type	AR 7120	AR 7134
Function	Powder flocculants for effective removal of oil and grease from recycling systems; no buildup of salt in the process liquid	
Consumption	Depending on the degree of contamination from 0.1 kg/m <sup>3</sup> up to 1.0 kg/m <sup>3</sup>	

Subject to revision

## Chemical and Mechanical Waste Water Treatment (precipitation/flocculation)

We recommend suitable treatment systems to keep waste water treatment safe and economical regardless of how specialised your individual requirements are. We have years of

experience, gained from more than 1,000 systems supplied. Our well-equipped development and analysis laboratory and the latest technology is at our disposal.

### Powder flocculants for waste water treatment

Type	AR 7009	AR 7038	AR 7090	AR 7234
Function	Powder products for waste water of surface finishing, optimised for effective removal of oils, greases, rests of compounds, metals and solids in batch processing machines.			
Consumption	Depending on the rate of pollution 1 up to 10 kg/m <sup>3</sup>			

Subject to revision

Mass Finishing  
Shot Blasting  
AM Solutions  
[www.rosler.com](http://www.rosler.com)

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