



Consumables

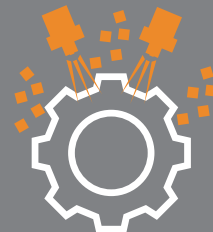


Mass Finishing



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**



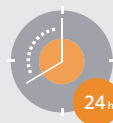
15 locations – over **150** distributors – over **1,500** employees **across the globe**



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

Overview

Media and Compounds	4
Customer Experience Center	5
Selection Criteria for Rosler Consumables	6 - 7
Ceramic Media Product Range	8 - 13
Plastic Media Product Range	14 - 17
Mass Finishing Compounds	19
Liquid Compounds	20
Recirculation Compounds	21
Grinding Pastes	22
Polishing Pastes	23
Ball Burnishing and Auxillary Media	24
Auxiliary Mass Finishing Media and Process Additives	25
Process Water Cleaning	26 - 27

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

Stable and repeatable finishing processes are our specialty.

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.



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 ROSLER CONSUMABLES

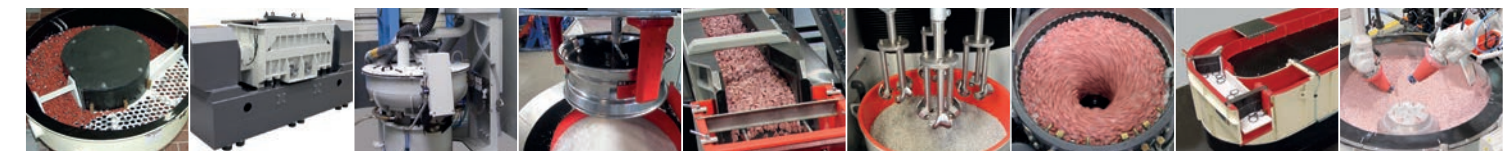
Mass Finishing

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

Media	Composition	The media composition determines the rate of material removal and the achievable surface finish. The type and make up of the bonding agent, the type, amount, and size of abrasive as well as the manufacturing parameters determines how the composition performs. Polishing and fine finishing compositions are usually available in small to medium sizes, fast cutting compositions are available in small to large sizes.
	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. Smaller media will provide better coverage. During the process a working mix is established that consists of a range of media sizes.
	Bulk Density	Depends of shape, size and composition of media.
	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.
	Compound	Type
Other aspects to consider	Adhesion Prevention	Adding Rosler's RAT anti-adhesion balls to the surface finishing process prevents flat and thin 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.

Special Processes

Rosler Keramo-Finish®	Media	RP and RCP ceramic media with minimum abrasion are used for the finishing and polishing processes.
	Compound	This process requires a combination of Keramo-Finish RSP and RPP pastes, followed by Rosler FC and ZF series compounds for rinsing off the pastes and final polishing.
Ball Burnishing and Pressure Deburring	Media	Stainless steel media (RESK, RESA or SAT) is used to burnish or pressure-deburr parts in the surface finishing system.
	Compound	FC series ball burnishing compounds are used to provide optimum results.
Dry Polishing	Media	Rosler polishing media SV and SVK series are used for this process. They are pre-treated with dry polishing pastes.
	Compound	Rosler dry polishing pastes - RPP 7 and RSP 7 series.
ISF® Chemically Accelerated Finishing	Media	Special high density ceramic ISF media.
	Compound	Specialty compound for chemically accelerated finishing.



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.

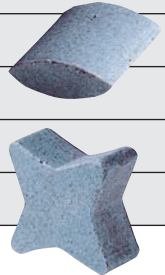
CERAMIC MEDIA PRODUCT RANGE

Rosler ceramic media is manufactured to exacting standards. With over 6 decades of experience in ceramic manufacturing we control all aspects of the media manufacturing process from body preparation to shaping and finishing. Starting with specially selected raw materials, the materials are mixed, milled, formed and fired in fully-automated state-of-the-art kilns to ensure consistent quality, and continuously reproducible results. Rosler has been producing high-quality ceramic 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, balancing quality and production costs.



Available Compositions

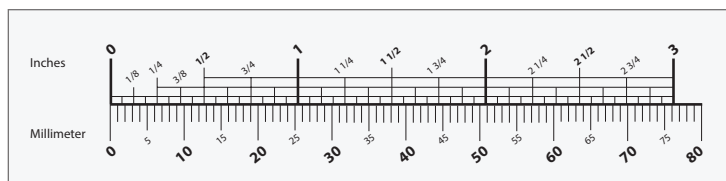
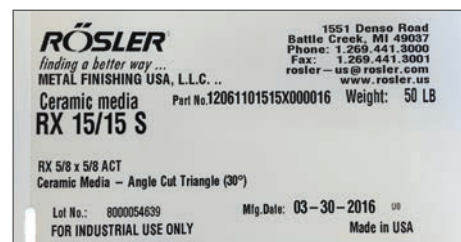
Composition	Finish	Cut	Typical Applications
RP	Polished	None	High gloss polishing, KeramoFinish
RF	Very fine	Very low	Polishing
RHD	Very fine	Very low	Polishing, chemically accelerated finising, cleaning, high density media
RCP	Very fine	Very low	Light deburring in high energy applications, chemically accelerated finishing, high density media
RM	Fine	Low	Light deburring, brightening, cleaning
RPM	Fine	Low	Light deburring, deflashing of die castings
RS	Medium	Medium	General purpose deburring, bright finish
RSG	Medium	Fast	General purpose deburring, soft metals
RXF	Fine	Fast	Fine finishing, cut-down before polishing process
RX	Coarse	Fast	Fast general purpose deburring, all metals
RMD/D1	Fine	Very fast	Cut-down for hard metals before polishing process
RXX	Coarse	Very fast	Fast deburring for hard metals
RXXD	Coarse	Ultra fast	Ultra-fast deburring for hard metals



Ceramic Media Capabilities

Rosler offers the widest range of ceramic media in the world. Our in house production allows us to make almost any media shape or length. There are limits to what can be done and what makes sense. If you cannot find the right size in this catalog, please contact your representative or a member of the Rosler Sales team for assistance in determining the optimum media for your application.

The opposite page shows Rosler's available shapes and sizes for ceramic media. For your convenience we list both metric and imperial sizes on our labels. Some items are manufactured at Rosler Germany. Please note that all dimensions are nominal. Manufacturing tolerances apply to all dimensions.



Metric dimensions are in mm and imperial dimensions are in inches.

Shape	Measurement			Available Sizes ("a" dimension)	Available Length
		mm	D	02, 03, 04, 05, 06, 07, 08, 09, 10, 13, 15, 20, 22, 25, 30, 40, 45, 50	0.5 to 2.5 x "a"
		in	SCT	3/32, 1/8, 5/32, 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-5/8, 1-3/4, 2	
		mm	F	08, 10, 15, 20, 30	1 x "a"
		in	T	5/16, 3/8, 5/8, 3/4, 1-1/8	
		mm	S	02, 03, 04, 05, 06, 07, 08, 09, 10, 13, 15, 20, 22, 25, 30, 40, 45, 50	0.5 to 2.5 x "a"
		in	ACT	3/32, 1/8, 5/32, 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-5/8, 1-3/4, 2	
		mm	Z	1.7, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 14, 15, 17, 20, 22, 25, 30	0.5 to 2.5 x "a"
		in	SCC	1/15, 3/32, 1/8, 5/32, 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 1, 1-1/8	
		mm	ZS	1.5, 1.7, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 14, 15, 17, 20, 22, 25, 30	0.5 to 2.5 x "a"
		in	ACC	1/17, 1/15, 3/32, 1/8, 5/32, 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 1, 1-1/8	
		mm	QZ	08, 10, 12.5, 15, 20, 22, 25, 38, 50	1.1 x "a"
		in	TC	5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/2, 2	
		mm	E	08/xx/03, 15/xx/06, 15/xx/08, 20/xx/08, 20/xx/10, 25/xx/10, 25/xx/13	1 to 1.5 x "a"
		in	SCE	5/16, 5/8, 5/8, 3/4, 3/4, 1, 1	
		mm	ES	08/xx/03, 15/xx/06, 15/xx/08, 20/xx/08, 20/xx/10, 25/xx/10, 25/xx/13	1 to 1.5 x "a"
		in	ACE	5/16, 5/8, 5/8, 3/4, 3/4, 1, 1	
		mm	DZ	03, 04, 06, 08, 10, 15, 20, 25, 30	0.5 to 1.5 x "a"
		in	SC-TRI	1/8, 5/32, 1/4, 5/16, 3/8, 5/8, 3/4, 1, 1-1/8	
		mm	DZS	04, 06, 08, 10, 15, 20, 25, 30, 35	0.5 to 1.5 x "a"
		in	AC-TRI	5/32, 1/4, 5/16, 3/8, 5/8, 3/4, 1, 1-1/8, 1-3/8	
		mm	W	10, 15, 20	0.6 to 1 x "a"
		in	ARR	3/8, 5/8, 3/4	
		mm	P	15, 25, 30, 35, 40, 45	n/a
		in	TET	3/4, 1-1/8, 1-3/8, 1-5/8, 1-3/4	
		mm	K	19, 30, 35, 40, 45, 60	n/a
		in	TTC	3/4, 1-1/8, 1-3/8, 1-5/8, 1-3/4, 2-3/8	
		mm	G	1.2, 0.2, 03, 04, 05, 06, 08, 11	n/a
		in	BLS	1/21, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 7/16	

Metric dimensions are in mm and imperial dimensions are in inches.

CERAMIC MEDIA

For further dimensions, see pages 8-9, if you would like a current stock list, please contact your Rosler Sales Representative.

Metric	Quality	Measurement	Shape
Ordering Example:	RX	15/15	S

OR

Imperial	Quality	Measurement	Shape
Ordering Example:	RX	5/8 x 5/8	ACT

Composition	Approx. Bulk Density lbs/ft ³	Grinding Performance	Grinding Result
RP	115		
RF	95		
RHD	140		
RCP	145		
RM	98		
RPM	98		
RS	100		

Shape	Triangle Straight Cut		Triangle Rounded		Triangle Angle Cut		Cylinder Straight Cut		Cylinder Angle Cut		Tri Cyl		Ellipse Straight Cut		Ellipse Angle Cut		Tristar Straight Cut		Tristar Angle Cut		Arrowhead		Pyramid Tetrahedron		Cone		Balls			
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		
Measurement																														
Designation	D	SCT	F	T	S	ACT	Z	SCC	ZS	ACC	QZ	TC	E	SCE	ES	ACE	DZ	SCTRI	DZS	ACTRI	W	ARR	P	TET	K	CN	G	BLS		
	04/04 06/06 10/10	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8			04/10 06/10 10/15	5/32 x 3/8 1/4 x 3/8 3/8 x 5/8			1.5/05 02/05 03/05 04/05 05/10 06/10	1/32 x 3/16 3/32 x 3/16 1/8 x 3/16 5/32 x 3/16 3/16 x 3/8 1/4 x 3/8																		02 02/04 04	3/32 3/32 x 5/32 5/32	
	06/06 10/10	1/4 x 1/4 3/8 x 3/8			08/08 10/06	5/16 x 5/16 3/8 x 1/4			06/10 10/15 20/40	1/4 x 3/8 3/8 x 5/8 3/4 x 1-3/4					15/15/06 20/20/10	5/8 x 5/8 x 1/4 3/4 x 3/4 x 3/8	04/04 06/06 10/10	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8												
	06/06 09/09 15/15*	1/4 x 1/4 11/32 x 11/32 5/8 x 5/8			09/09 15/10 15/15 20/12 30/13 40/20	11/32 x 11/32 5/8 x 3/8 5/8 x 5/8 3/4 x 1/2 1-1/8 x 1/2 1-5/8 x 3/4			05/10 06/13 10/15	3/16 x 3/8 1/4 x 1/2 3/8 x 5/8	12.5 15	1/2 5/8	08/09/03	5/16 x 11/32 x 1/8	15/22/06	5/8 x 7/8 x 1/4			10/12 15/06	3/8 x 1/2 5/8 x 1/4										
	03/03 06/06 09/09	1/8 x 1/8 1/4 x 1/4 11/32 x 11/32			06/10 09/09 15/18 40/15	1/4 x 3/8 11/32 x 11/32 5/8 x 3/4 1-5/8 x 5/8			02/05 03/05 04/05 04/10 06/10 10/15	3/32 x 3/16 1/8 x 3/16 5/32 x 3/16 5/32 x 3/8 1/4 x 3/8 3/8 x 5/8								04/04 06/06 10/10	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8											
	15/10 20/20	5/8 x 3/8 3/4 x 3/4			06/10 10/06 15/18 25/25 45/45	1/4 x 3/8 3/8 x 1/4 5/8 x 3/4 1 x 1 1-3/4 x 1-3/4			02/05 04/10 12/20 15/15 20/40	3/32 x 3/16 5/32 x 3/8 1/2 x 3/4 5/8 x 5/8 3/4 x 1-3/4	15	5/8	15/20/08	5/8 x 3/4 x 5/16				06/06 10/10	1/4 x 1/4 3/8 x 3/8	10/12 30/12	3/8 x 1/2 1-1/8 x 1/2	15/10	5/8 x 3/8	15 30 40	5/8 1-1/8 1-5/8	30 40	1-1/8 1-5/8			
	15/15 25/25	5/8 x 5/8 1 x 1	20/20	3/4 x 3/4	09/09 20/10 30/13	11/32 x 11/32 3/4 x 3/8 1 1/8 x 3/4			05/10 10/20 15/30	3/16 x 3/8 3/8 x 3/4 5/8 x 1-1/8	15 25	5/8 1	15/15/06	5/8 x 5/8 x 1/4	15/22/08	5/8 x 7/8 x 5/16			10/06 15/07 30/10	3/8 x 1/4 5/8 x 9/32 1-1/8 x 3/8										
	04/04 06/06 10/10 15/10 15/18 22/22 25/25	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8 5/8 x 3/8 5/8 x 3/4 7/8 x 7/8 1 x 1			13/13 15/18 20/20 30/13 30/30 40/15	1/2 x 1/2 5/8 x 3/4 3/4 x 3/4 1-1/8 x 1/2 1-1/8 x 1-1/8 1-5/8 x 5/8	06/10 10/20 15/30	1/4 x 3/8 3/8 x 3/4 5/8 x 1-1/8	03/05 04/10 05/10 06/13 08/15 10/20 12/22 15/20 17/40 25/25	1/8 x 3/16 5/32 x 3/8 3/16 x 3/8 1/4 x 1/2 5/16 x 5/8 3/8 x 3/4 1/2 x 7/8 5/8 x 3/4 11/16 x 1-5/8 1 x 1	10 12.5 15 25 38	3/8 1/2 5/8 1 1-1/2			15/15/06	5/8 x 5/8 x 1/4	04/04 06/06 10/10	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8	06/13 10/12 15/07 20/10	1/4 x 1/2 3/8 x 1/2 5/8 x 9/32 3/4 x 3/8			15 30 40	5/8 1-1/8 1-5/8	19 30 40	3/4 1-1/8 1-5/8	06 02 02/04 04	1/4 3/32 3/32 x 5/32 5/32		

Metric dimensions are in mm and imperial dimensions are in inches, conversion from metric to imperial may result in a deviation of up to .004 inches or 1 mm.

CERAMIC MEDIA

For further dimensions, see pages 8-9, if you would like a current stock list, please contact your Rosler Sales Representative.

Metric	Quality	Measurement	Shape
Ordering Example:	RX	15/15	S

OR

Imperial	Quality	Measurement	Shape
Ordering Example:	RX	5/8 x 5/8	ACT

Composition	Approx. Bulk Density lbs/ft ³	Grinding Performance	Grinding Result
RSG	98		
RXF	103		
RX	102		
RMB/D1	100		
RXX	105		
RXXD	105		

Shape	Triangle Straight Cut		Triangle Rounded		Triangle Angle Cut		Cylinder Straight Cut		Cylinder Angle Cut		Tri Cyl		Ellipse Straight Cut		Ellipse Angle Cut		Tristar Straight Cut		Tristar Angle Cut		Arrowhead		Pyramid Tetrahedron		Cone		Balls		
Measurement																													
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
Designation	D	SCT	F	T	S	ACT	Z	SCC	ZC	ACC	QZ	TC	E	SCE	ES	ACE	DZ	SCTRI	DZS	ACTRI	W	ARR	P	TET	K	CN	G	BLS	
		02/02 03/03 04/04 06/06 10/10 15/15	3/32 x 3/32 1/8 x 1/8 5/32 x 5/32 1/4 x 1/4 3/8 x 3/8 5/8 x 5/8	10/10 15/15	3/8 x 3/8 5/8 x 5/8	06/10 10/10 15/15 20/20 25/25	1/4 x 3/8 3/8 x 3/8 5/8 x 5/8 3/4 x 3/4 1 x 1			03/05 03/10 04/10 05/10 07/15 12/20	1/8 x 3/16 1/8 x 3/8 5/32 x 3/8 3/16 x 3/8 9/32 x 5/8 1/2 x 3/4	25 50	1 2			15/15/06 20/20/10	5/8 x 5/8 x 1/4 3/4 x 3/4 x 3/8	04/04 06/06 10/10	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8										
	06/06 10/10 15/10 15/15	1/4 x 1/4 3/8 x 3/8 5/8 x 3/8 3/8 x 3/8			06/06 10/06 10/15 15/18	1/4 x 1/4 3/8 x 1/4 3/8 x 5/8 5/8 x 3/4			05/10 08/15	3/16 x 3/8 5/16 x 5/8	08	5/16	08/09/03	5/16 x 11/32 x 1/8	15/22/06	5/8 x 7/8 x 1/4			10/12 15/06	3/8 x 1/2 5/8 x 1/4									
	04/04 05/05 10/10	5/32 x 5/32 3/16 x 3/16 3/8 x 3/8	15/15 20/20	5/8 x 5/8 3/4 x 3/4	06/10 08/08 10/15 15/15 20/10 20/20 25/25 30/12 40/15 40/20	1/4 x 3/8 5/16 x 5/16 3/8 x 5/8 5/8 x 5/8 3/4 x 3/8 3/4 x 3/4 1 x 1 1-1/8 x 1/2 1-5/8 x 5/8 1-5/8 x 3/4	06/12 1/4 x 1/2		03/05 05/08 07/15 08/15 10/20 12/25 15/20 22/40 30/40	1/8 x 3/16 3/16 x 5/16 9/32 x 5/8 5/16 x 5/8 3/8 x 3/4 1/2 x 1 5/8 x 3/4 7/8 x 1-5/8 1-1/8 x 1-5/8	10 12.5 15 25 38	3/8 1/2 5/8 1-1/2					04/04 06/06 10/10	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8											
	06/06 10/10	1/4 x 1/4 3/8 x 3/8			10/10 13/13 15/18	3/8 x 3/8 1/2 x 1/2 5/8 x 3/4			05/10 07/15 10/20	3/16 x 3/8 9/32 x 5/8 3/8 x 3/4	08	5/16	15/20/08	5/8 x 3/4 x 5/16			06/06 10/10	1/4 x 1/4 3/8 x 3/8	10/12 30/12	3/8 x 1/2 1-1/8 x 1/2	15/10	5/8 x 3/8	15 30 40	5/8 1-1/8 1-5/8	30 40	1-1/8 1-5/8			
	06/06 10/10 15/10 15/15	1/4 x 1/4 3/8 x 3/8 5/8 x 3/8 5/8 x 5/8	15/15 20/20	5/8 x 5/8 3/4 x 3/4	06/10 10/10 15/15 15/18 22/10 22/22 25/30	1/4 x 3/8 3/8 x 3/8 5/8 x 5/8 5/8 x 3/4 7/8 x 3/8 7/8 x 7/8 1 x 1-1/8	05/04 06/10 10/20 15/30	3/16 x 5/32 1/4 x 3/8 3/8 x 3/4 5/8 x 1-1/8	04/05 05/10 07/15 10/20 15/20 20/20	5/32 x 3/16 3/16 x 3/8 9/32 x 5/8 3/8 x 3/4 5/8 x 3/4 3/4 x 3/4	15 25 38 50	5/8 1 1-1/2 2	15/15/06	5/8 x 5/8 x 1/4	15/22/08	5/8 x 7/8 x 5/16			10/06 15/07 30/10	3/8 x 1/4 5/8 x 9/32 1-1/8 x 3/8									
	10/10	3/8 x 3/8			10/10 13/13	3/8 x 3/8 1/2 x 1/2	06/10 10/20 15/30	1/4 x 3/8 3/8 x 3/4 5/8 x 1-1/8	06/10 07/15	1/4 x 3/8 9/32 x 5/8	25	1			15/15/06	5/8 x 5/8 x 1/4	04/04 06/06 10/10	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8	06/13 10/12 15/07 20/10	1/4 x 1/2 3/8 x 1/2 5/8 x 9/32 3/4 x 3/8			15 30 40	5/8 1-1/8 1-5/8	19 30 40	3/4 1-1/8 1-5/8	06	1/4	

Metric dimensions are in mm and imperial dimensions are in inches, conversion from metric to imperial may result in a deviation of up to .004 inches or 1 mm.

PLASTIC MEDIA PRODUCT RANGE

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.



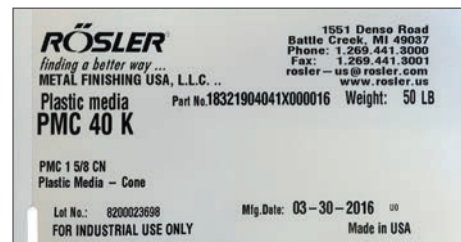
Available Compositions

Composition	Finish	Cut	Typical Applications
PPP	Very fine	Low	Brightening, fine finishing, preplate
PLC	Medium	Low	Cleaning, deflashing of die castings
PMC	Fine to medium	Medium	General Purpose Deburring
PFC-S	Coarse	Fast	Fast deburring of soft to hard metals
PFC-ZF	Fine, matt	Fast	Fine finishing of most metals, high density media
PFC-Z	Medium, matt	Fast	Finishing of most metals, high density media
PFC-AF	Fine to medium	Fast	Fine finishing of hard metals
PFC-A	Coarse	Very fast	Fast deburring hard metals
WPHC	Medium to coarse	Very fast	Fast deburring hard metals in high energy applications

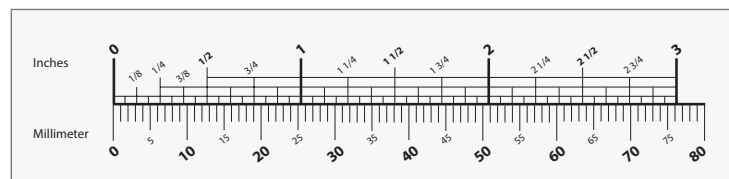


Plastic Media Capabilities

Rosler offers the widest range of plastic media in the world. Our in house production allows us to produce a large variety of shapes and sizes. There are limits to what can be done and what makes sense. If you cannot find the right size in this catalog, please contact your representative or a member of the Rosler Sales team for assistance in determining the optimum media for your application.

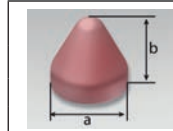


The opposite page shows Rosler's available shapes and sizes for ceramic media. For your convenience we list both metric and imperial sizes on our labels.

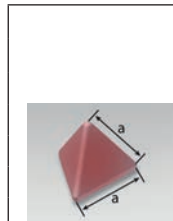


Metric dimensions are in mm and imperial dimensions are in inches.

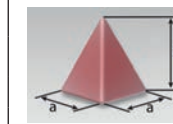
Cone	Actual Dimensions mm			Actual Dimensions in				
	K	CN	a	b	c	a	b	c
08	5/16		7	10		9/32	3/8	
10	3/8		10	10		3/8	3/8	
14	9/16		14	19		9/16	3/4	
16	5/8		16	16		5/8	5/8	
20	3/4		20	20		3/4	3/4	
25	1		25	25		1	1	
30	1-1/4		31	30		1-1/4	1-1/4	
40	1-5/8		42	42		1-5/8	1-5/8	
50	2		50	55		2	2-1/8	



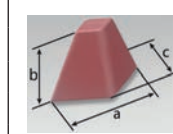
Cone (Rounded Top)		Actual Dimensions mm			Actual Dimensions in		
KR	RTC	a	b	c	a	b	c
14	9/16	14	13		9/16	1/2	
19	3/4	19	17		3/4	11/16	



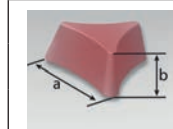
Pyramid (Tetrahedron)		Actual Dimensions mm			Actual Dimensions in		
P	TET	a	b	c	a	b	c
10	3/8	10			3/8		
12	1/2	12			1/2		
20	3/4	20			3/4		
30	1-1/4	30			1-1/4		
40	1-5/8	40			1-5/8		
50	2	50			2		
60	2-3/8	60			2-3/8		
80	3-1/8	80			3-1/8		



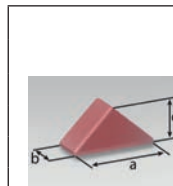
Pyramid (Square Base)		Actual Dimensions mm			Actual Dimensions in		
PQ	PY SQ	a	b	c	a	b	c
06	1/4	6	7		1/4	9/32	
10	3/8	10	13		3/8	1/2	



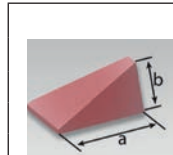
Pyramid (Diamond Base)		Actual Dimensions mm			Actual Dimensions in		
PD	PYR DIA	a	b	c	a	b	c
37	1-5/8	37	25	22	1-1/2	1	7/8
45	1-3/4	45	33	22	1-3/4	1-1/4	7/8
50	2	50	49	26	2	1-7/8	1



Tristar		Actual Dimensions mm			Actual Dimensions in		
DZ	ST	a	b	c	a	b	c
40/13	1-3/8	36	13		1-3/8	1/2	



Triangle		Actual Dimensions mm			Actual Dimensions in		
D	T	a	b	c	a	b	c
08	3/8	9	6	8	11/32	1/4	5/16
12	5/8	16	12	8	5/8	1/2	5/16
15	7/8	25	14	13	1	9/16	1/2
20	1-1/4	27	14	15	1-1/8	9/16	5/8
35	1-1/2	47	26	24	1-7/8	1	1
40	1-3/4	42	32	30	1-5/8	1-1/4	1-1/8



Wedge		Actual Dimensions mm			Actual Dimensions in		
DK	WDG	a	b	c	a	b	c
16/25	1	25	16		1	5/8	
22/38	1-1/2	38	22		1 1/2	7/8	
29/50	2	50	29		2	1-1/8	
32/62	2-1/2	62	32		2-1/2	1-1/4	

Metric dimensions are in mm and imperial dimensions are in inches.

PLASTIC MEDIA

Metric	Quality	Measurement	Shape
Ordering Example:	PMC	40	K

OR

Imperial	Quality	Measurement	Shape
Ordering Example:	PMC	1-5/8	CN

Composition	Approx. Bulk Density lbs/ft ³	Grinding Performance	Color	Grinding Result
PPP	70			
PLC	70			
PMC	70			
PFC-S	73			
PFC-ZF	86			
PFC-Z	83			
PFC-AF	75			
PFC-A	80			
WHPC	73			

Shape	Cone Taper Top		Cone Round Top		Pyramid Tetrahedron		Pyramid Square Base		Pyramid Diamond Base		Triangle		Wedge Bowtie		Tricyl		Tristar	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Designation	K	CN	KR	RTC	P	TET	PQ	PY SQ	PD	PY DI	D	T	DK	WDG	QZ	TC	DZ	ST
	16 20	5/8 3/4	10 14	3/8 9/16	10 20	3/8 3/4	06 10	1/4 3/8			08 12	5/16 1/2	16/25	5/8 x 1	47	1-7/8		
	30 40 50 60	1-1/8 1-5/8 2 2-3/8	14 25	9/16 1	10 25 30 50 60 80	3/8 1 1-1/8 2 2-3/8 3-1/8			37 45 50	1-1/2 1-3/4 2			22/38 29/50 32/62	7/8 x 1-1/2 1-1/8 x 2 1-1/4 x 2-1/2				
	10 14 16 20 25 30 40 50	3/8 9/16 5/8 3/4 1 1-1/8 1-5/8 2	10 14 19	3/8 9/16 3/4	10 20 30 40	3/8 3/4 1-1/8 1-5/8	06 10	1/4 3/8			08 12 15 20	5/16 1/2 5/8 3/4	16/25 22/38	5/8 x 1 7/8 x 1-1/2				
	10 14 16 20 25 30 40 50	3/8 9/16 5/8 3/4 1 1-1/8 1-5/8 2	10 14 19 25	3/8 9/16 3/4 1	10 25 30 40	3/8 1 1-1/8 1-5/8	06 10	1/4 3/8	37 45	1-1/2 1-3/4	12 15 20	1/2 5/8 3/4	16/25 22/38	5/8 x 1 7/8 x 1-1/2				
	10 16	3/8 5/8	20 25	3/4 1	20 25	3/4 1												
	10 20	3/8 3/4	14	9/16	10 20 30 40	3/8 3/4 1-1/8 1-5/8	06 10	1/4 3/8			08 15	5/16 5/8	16/25 22/38 32/62	7/8 x 1-1/2 1-1/8 x 2 1-1/4 x 2-1/2				
	10 16	3/8 5/8	14 19	9/16 3/4	10 20	3/8 3/4	10	3/8										
	14 16 25	9/16 5/8 1	10 14 20	3/8 9/16 3/4	10 20 30	3/8 3/4 1-1/8	06 10	1/4 3/8	37 45	1-1/2 1-3/4	12 15 20	1/2 5/8 3/4	16/25 22/38	7/8 x 1-1/2 1-1/8 x 2	47	1-7/8		
	16 20 30	5/8 3/4 1-1/8			10 20 30 40	3/8 3/4 1-1/8 1-5/8							29/50	1-1/8 x 2				

Metric dimensions are in mm and imperial dimensions are in inches, conversion from metric to imperial may result in a deviation of up to .004 inches or 1 mm.



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.



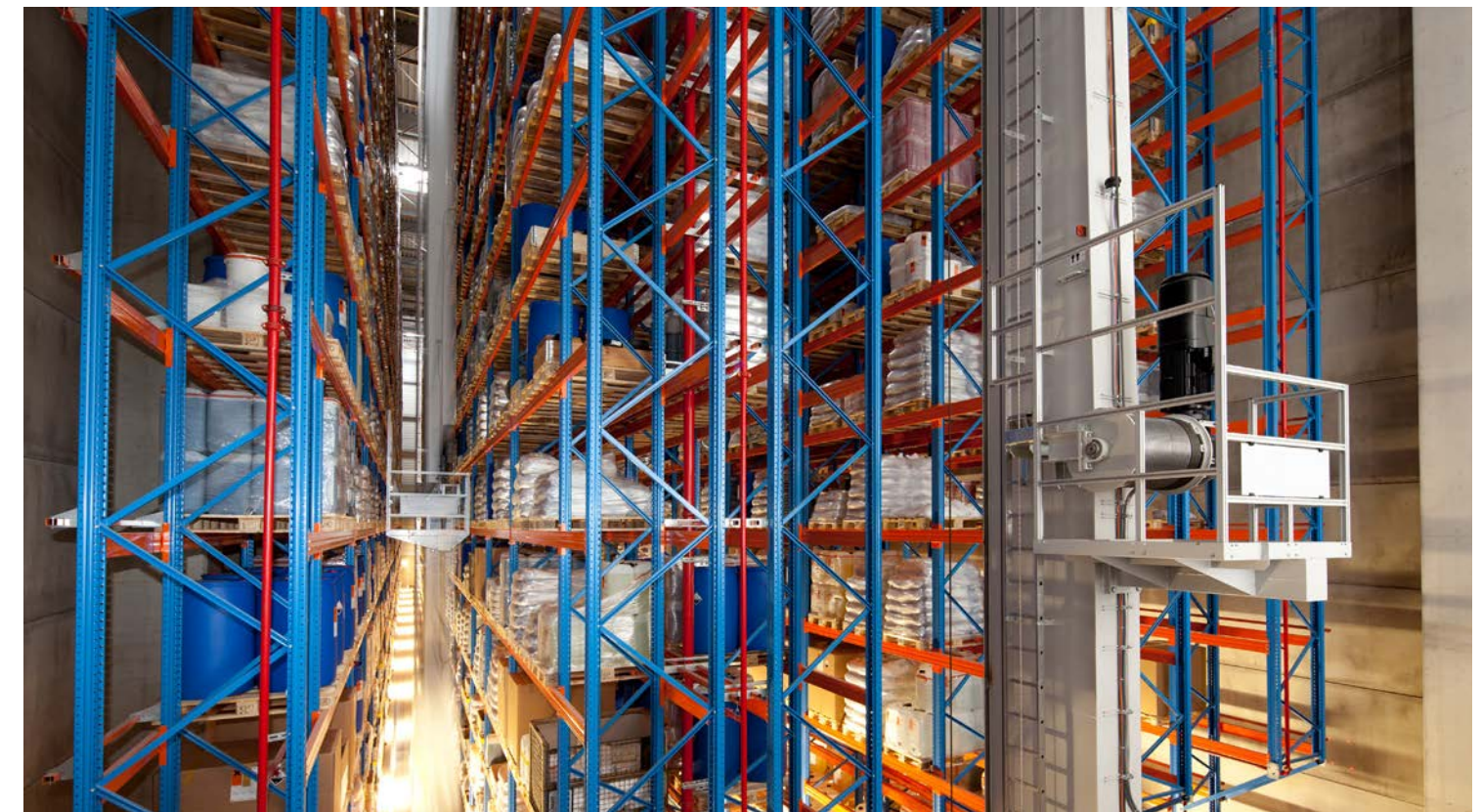
Our Research and Development process takes place both in our development laboratory and in our test centres worldwide. We are continuously improving our products, as well as developing new ones, ensuring that we can always provide the right compound to fit your process and your budget.

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

Rosler's liquid compounds are the foundation of the modern surface 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 a repeatable high quality mass finishing process.

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

RECIRCULATION COMPOUNDS

Rosler's recirculation compounds are formulated to provide a consistent process quality for every application and ensure long service intervals for the process water.

These compounds are best for use in closed loop water recycling systems but can also be used in flow through processes.

Type	FC KFL	FC 120	FC 212	FC 214	FC 216	FC 230	FC 336.4	FC 430
Description	Universal general purpose compound for all metals.	Universal cleaning and polishing compound with corrosion protection.	Polishing and cleaning compound with good corrosion protection.	General purpose cleaning and polishing compound with good corrosion protection.	Universal cleaning and degreasing compound with corrosion protection.	Cleaning and polishing compound for non-ferrous metals and stainless steel.	Degreasing and deburring compound.	Etching and polishing compound for all non-ferrous metals and stainless steel.
pH Value 0.5 %	8.2	7.6	8.6	8.6	8.4	7.5	11	2.6
Metals	Steel/Iron	++	+	++	+	+	•	++
	Stainless Steel	++	+	++	++	+	++	++
	Copper/Brass	+	+	•	•	+	++	•
	Aluminium	++	+	•	•	+	++	•
	Zinc	++	+	•	•	+	+	•
	Magnesium		•			•	+	
Applications	Grinding/Deburring/Radiussing Edges	++	+	•	+	++	+	++
	Degreasing/De-oiling	++	•	•	•	+	•	++
	Smoothing/Polishing	+	+	++	++	+	++	+
	Polishing	+	+	++	++	+	++	+
	Ball polishing	•	•	•			+	
	Descaling/Derusting							
	Etching							+
Properties	Corrosion Protection	+	+	+	+	+	•	+
	Cleaning	+	+	+	+	++	+	+
	Degreasing	++	•	•	•	+	•	•
	Brightening	+	+	++	+	+	++	+
	Foam	+	+	+	+	+	+	+

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

Subject to revision

Type	ZF 110 i	ZF 113	ZF 231	ZF 311	ZF 322	ZF 322 S
Description	Corrosion protection compound for all rust-sensitive, ferrous metals.	Universal general purpose compound with corrosion protection for all ferrous and non-ferrous metals.	Special compound for cleaning and passivating magnesium.	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 non-ferrous metals.
pH Value 0.5 %	9.9	8.9	11.4	9.6	8.7	8.9
Metals	Steel/Iron	++	+		++	+
	Stainless Steel	+	+		+	++
	Copper/Brass	•	+		•	+
	Aluminium	•	+		•	++
	Zinc	•	+		•	+
	Magnesium		•	++		•
Applications	Grinding/Deburring/Radiussing Edges	++	++	+	++	+
	Degreasing/De-oiling	•	+	•	++	++
	Smoothing/Polishing	++	+	•	•	+
Properties	Corrosion Protection	++	+	•	++	+
	Cleaning	+	+	•	++	++
	Degreasing	•	+	+	++	++
	Brightening	•	+	+	•	++

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

Subject to revision

For ball burnishing and pressure deburring compounds, please see pages 22-23.

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

GRINDING PASTES

The Keramo-Finish® grinding process is particularly economical with our grinding pastes in non-circulated processes. We have also developed easy-to-use Keramo-Finish® grinding pastes in powder form that are suitable for wastewater circulation.

	Standard Paste	RSP 626	RSP 6264	RSP 6268	RSP 6286		
	Description	Universal grinding product	Product with enhanced grinding performance	Very strong grinding product	Extremely strong grinding product	Standard	
	pH Value 0.5 %	9.0 approx.	9.0 approx.	9.0 approx.	9.0 approx.		
Metals	Steel/Iron	++	++	+	+	Standard	
	Stainless Steel	+	+	++	++		
	Copper/Brass	+	+	+	+		
	Aluminium	.	.	.	.
	Zinc	.	.	.	.
	Magnesium						
Applications	Grinding/Deburring/Radiussing Edges	+	++	++	++	Standard	
	Smoothing/Polishing	+	.	.			
	Powder Paste	RSP 506 ST	RSP 5064 S	RSP 587	RSP 5086 S	recirculation	Suitable for automatic dosing by pump
	Liquid Dosable	RSP 806	RSP 8064	RSP 887	RSP 8086		

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

POLISHING PASTES

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

mentally-friendly and economical to utilize. In addition to pastes, we have also developed powdered products for use with recirculation systems.

	Standard Paste	RPP 623	RPP 627	RPP 6279	RPP 629	RPP 632 R		
	Description	Polishing product with light grinding effect.	Light grinding product with good smoothing and polishing effect.	Universal product for polishing, low grinding performance.	Polishing product with good brightening power.	Polishing product with good brightening power.	Standard	
	pH Value 0.5 %	9.0-10.0 approx.	9.0 approx.	9.0 approx.	9.0 approx.	9.0 approx.		
Metals	Steel/Iron	++	+	++	+	+	Standard	
	Stainless Steel	+	++	++	+	+		
	Copper/Brass	.	+	++	++	++		
	Aluminium	.	.	.		.
	Zinc	.	.	.		.
	Magnesium							
Applications	Grinding/Deburring/Radiussing Edges	+	+	+	.	.	Standard	
	Smoothing/Polishing	+	++	++	++	++		
	Polishing	+	+	++	++	++		
	Powder Paste	RPP 503	RPP 527	RPP 579	RPP 590	RPP 520	recirculation	Suitable for automatic dosing by pump
	Liquid Dosable	RPP 803	RPP 827	RPP 879	RPP 890	RPP 820		

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

BALL BURNISHING AND AUXILLARY MEDIA

Ball Burnishing and Pressure Deburring

Rosler's 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		mm		in	
					a	b	a	b
Balls		AISI 304 = 1.4301 AISI 420 = 1.4034 AISI 316 = 1.4401	RESK 2 RESK 3 RESK 4		2.0 3.0 4.0		0.08 0.12 0.16	
Satellites		AISI 304 = 1.4301 AISI 420 = 1.4034	SAT03/05 SAT05/07 SAT8/12		3 5 8	5 7 12	0.12 0.20 0.31	0.20 0.28 0.47
Pins		AISI 304 = 1.4301 AISI 420 = 1.4034 AISI 1086 = 1.0616	RESA 03/09		3	9	0.12	0.35

Other shapes and sizes available upon request.

BALL BURNISHING AND PRESSURE DEBURRING COMPOUNDS

	Type	FC 410	FC 416-D	FC 430	FC 460	FC 485/4
	Description	Etching compound, sulfuric acid.	Polishing, cleaning compound, citric acid.	Etching and polishing compound for all non ferrous metals and stainless steel, citric adic.	Etching and polishing compound for all non ferrous metals and stainless steel, citric and sulfamic acid.	Etching and polishing compound for all non ferrous metals and stainless steel, phosphoric acid.
	pH Value 0.5 %	1.8	4.0	2.6	2.5	2.2
Metals	Steel/Iron	+		•		+
	Stainless Steel	+		++	++	++
	Copper/Brass	+	+	++	+	+
	Aluminium		+	++	++	+
	Zinc		+	+	+	+
	Magnesium					
	Corrosion Protection	•	•			
Properties	Cleaning	+	++	++	+	+
	Degreasing		•	•	+	•
	Brightening	+	++	++	++	++
	Smoothing	+	++	++	++	++
	Pickling	++	+	+	+	+
	Foam	+	+	++	+	++

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

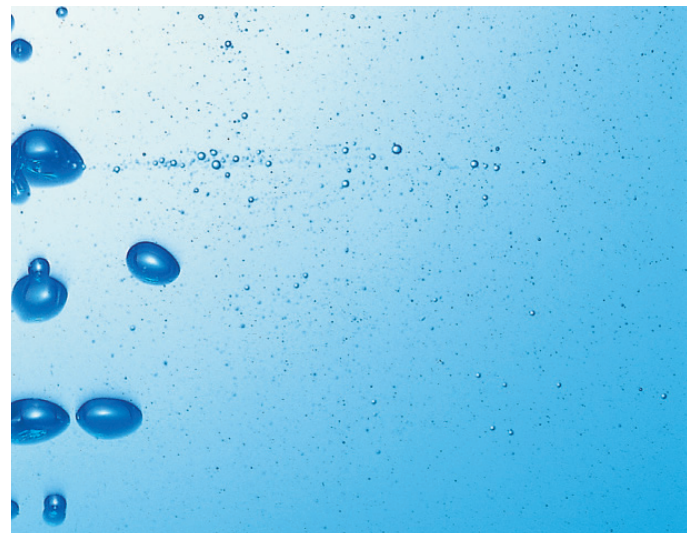
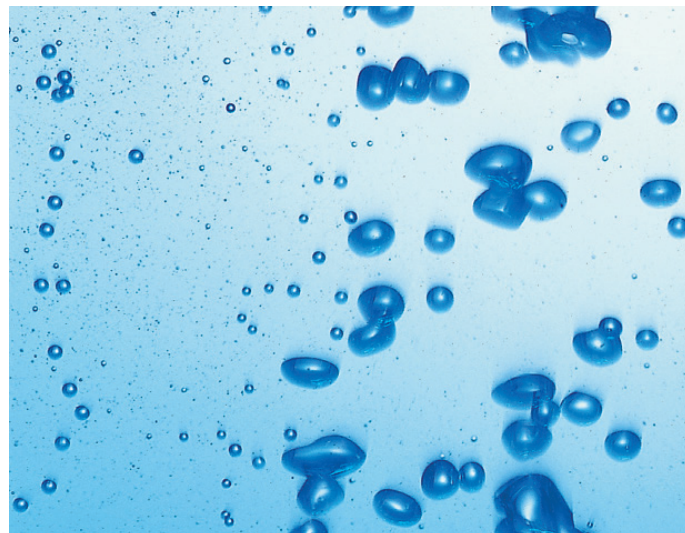
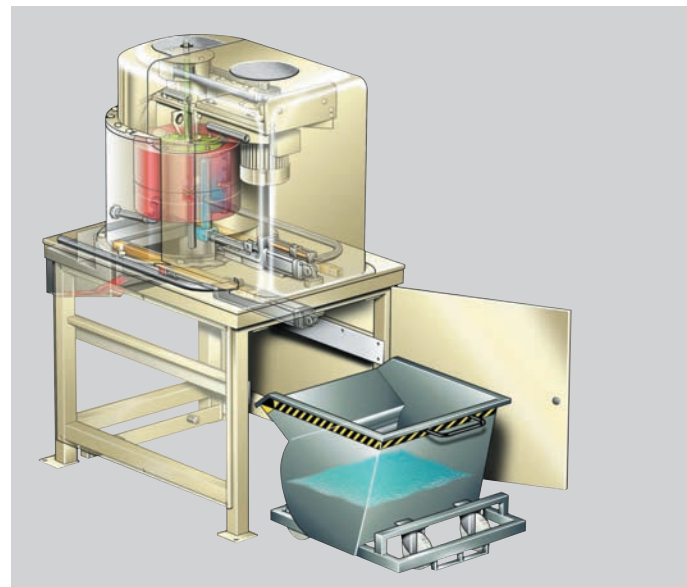
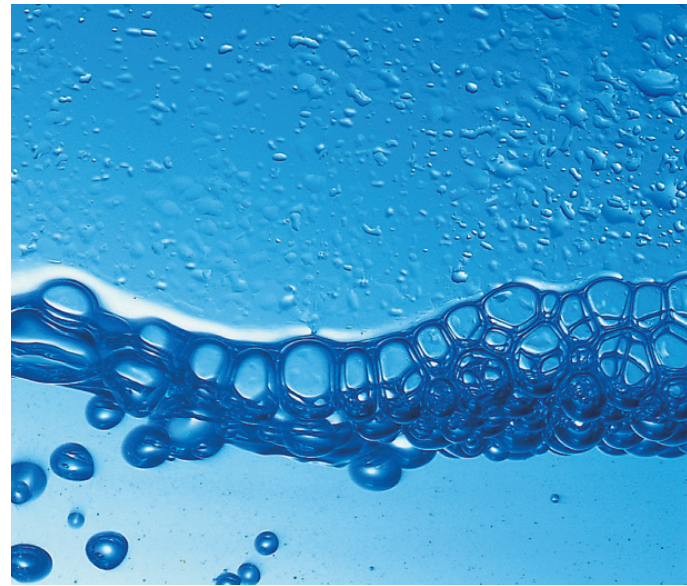
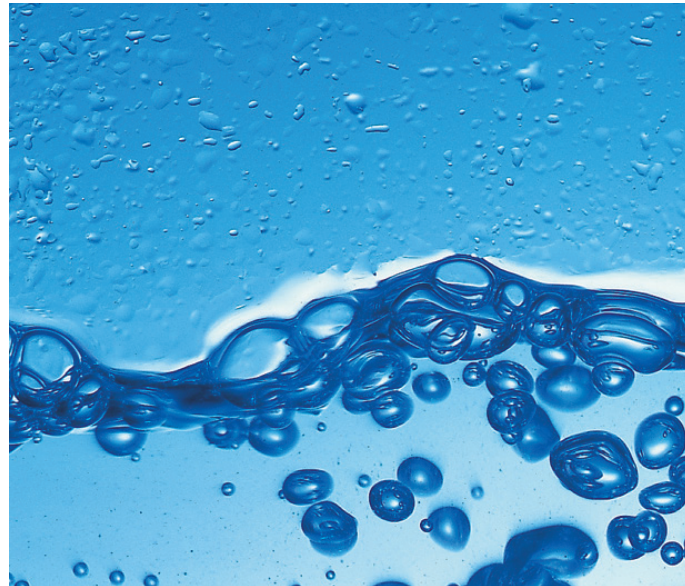
AUXILIARY MASS FINISHING MEDIA AND PROCESS ADDITIVES

Dry and Polishing Media	Materials	Designation	Approx. Size (mm)	Approx. Size (in)
Corn Cob SV and SV/N 	Low dust corn cob for spot-less drying, cleaning, and polishing components.	SV 6 SV 8 SV 12 SV/N 12 SV 16 SV/N 16 SV 20 SV/N 20 SV 30	3.2 - 4.5 2.0 - 3.2 1.5 - 2.0 1.0 - 1.5 0.7 - 1.0 0.5 - 0.7	0.13 - 0.18 0.08 - 0.13 0.06 - 0.08 0.04 - 0.06 0.03 - 0.04 0.02 - 0.03
Nutshell Granulate 	Dust-reduced product for polishing components.	SVK 6 SVK 8 SVK 12 SVK 16 SVK 20	3.2 - 4.5 2.0 - 3.2 1.5 - 2.0 1.0 - 1.5 0.7 - 1.0 0.5 - 0.7	0.13 - 0.18 0.08 - 0.13 0.06 - 0.08 0.04 - 0.06 0.03 - 0.04 0.02 - 0.03
Glass Beads 	Sodium - potassium glass	RGK RGK RGK	Ø 3 Ø 4 Ø 5	Ø 0.12 Ø 0.16 Ø 0.2
Anti-adhesion beads 	Prevents the sticking of flat components in all grinding operations.	RAT 1 RAT 2	0.3 - 0.9 0.05 - 0.25	0.01-0.04 0.001-0.01

	Type	R 50	R 35E	CDA
	Description	Grinding additive for increasing grinding performance and/or media cleaning	Universal degreasing powder with corrosion protection	Liquid compound de-foaming agent to help control excessive foaming
	pH Value 0.5 %	9.0	10.3	7.0
Metals	Steel/Iron	+	++	+
	Stainless Steel	+	+	+
	Copper/Brass	++	+	+
	Aluminium		+	+
	Zinc		+	+
	Magnesium		•	
	Grinding/Deburring/Radiussing Edges	•	++	+
Applications	Degreasing/De-oiling		++	
	Smoothing/Polishing	++	+	
	Polishing			
	Ball polishing			
	Corrosion Protection	+	++	
Properties	Cleaning	+	++	
	Degreasing		++	
	Brightening	+	+	
	Foam	•	+	

Additional special ball burnishing and pressure deburring compounds are available. Inquire about the line of Rosler ball burnishing machines that are specially equipped for these tough applications.

PROCESS WATER CLEANING



Effluent Treatment

Rosler's special recirculation compounds, combined with process water cleaners and flocculants work together to achieve the required finish, while keeping the process water clean and stable. Ask us about our treatment options using:

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

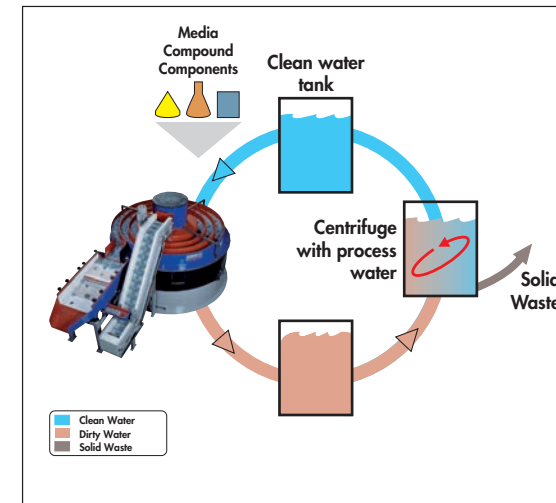
Chemical and Mechanical Effluent Treatment

Chemical and mechanical effluent treatment systems complete our range of equipment and processing chemicals. Rosler specializes in semi-automatic and fully automatic flocculation systems with capacities from 13 to 1300 gal/h. With over 10,000 systems

supplied and continuing research and development we have the expertise to provide safe and economical effluent treatment regardless of how specific your requirements are.

Recirculation Process

When using a recirculation process rather than traditional surface finishing without process water recirculation, you can achieve savings of up to 80% in compound usage and 95% in process water consumption.



Our Process Water Additives

Liquid products for circulation processes.

Type	AR 8403	AR 8404	AR 8405	AR 8407
Function	Cationic polymers for effective circulation cleaning			
Consumption Value	In supply status or after pre-dilution with water in ratio 1:4 to 1:10; approx. 0.00624 - 0.0624 lb/ft3			

Powder products for chemical/physical process water treatment.

Type	AR 7120	AR 7134	
Function	For centrifuge applications.		



Rosler Metal Finishing USA, LLC offers the widest range of surface finishing equipment in the industry, including mass finishing and shot blasting equipment, media, compounds and effluent treatment. We serve North American customers from our 300,000 sq. ft. manufacturing campus in Battle Creek and support global customers through our worldwide network.

Our company slogan "finding a better way..." is exactly what we do. After evaluating what the end result should be, our highly-trained employees choose from the most extensive product range in the industry to develop unbiased, cost-effective solutions. Send us your challenge.



ROSLE, USA

**ROSLE, GERMANY,
WORLD HEADQUARTERS**

 **Branch Locations**

Rosler Metal Finishing USA, LLC
1551 Denso Road
Battle Creek, MI 49037

Tel: 269-441-3000
Fax: 269-441-3001
rosler-us@rosler.com
www.rosler.com

In addition to branch locations, Rosler has more than 150 representative located world-wide, visit www.rosler.com for more information.

Publ.-Nr. US.338.27 – Revision 07/2023 – Specifications are subject to change without notice.