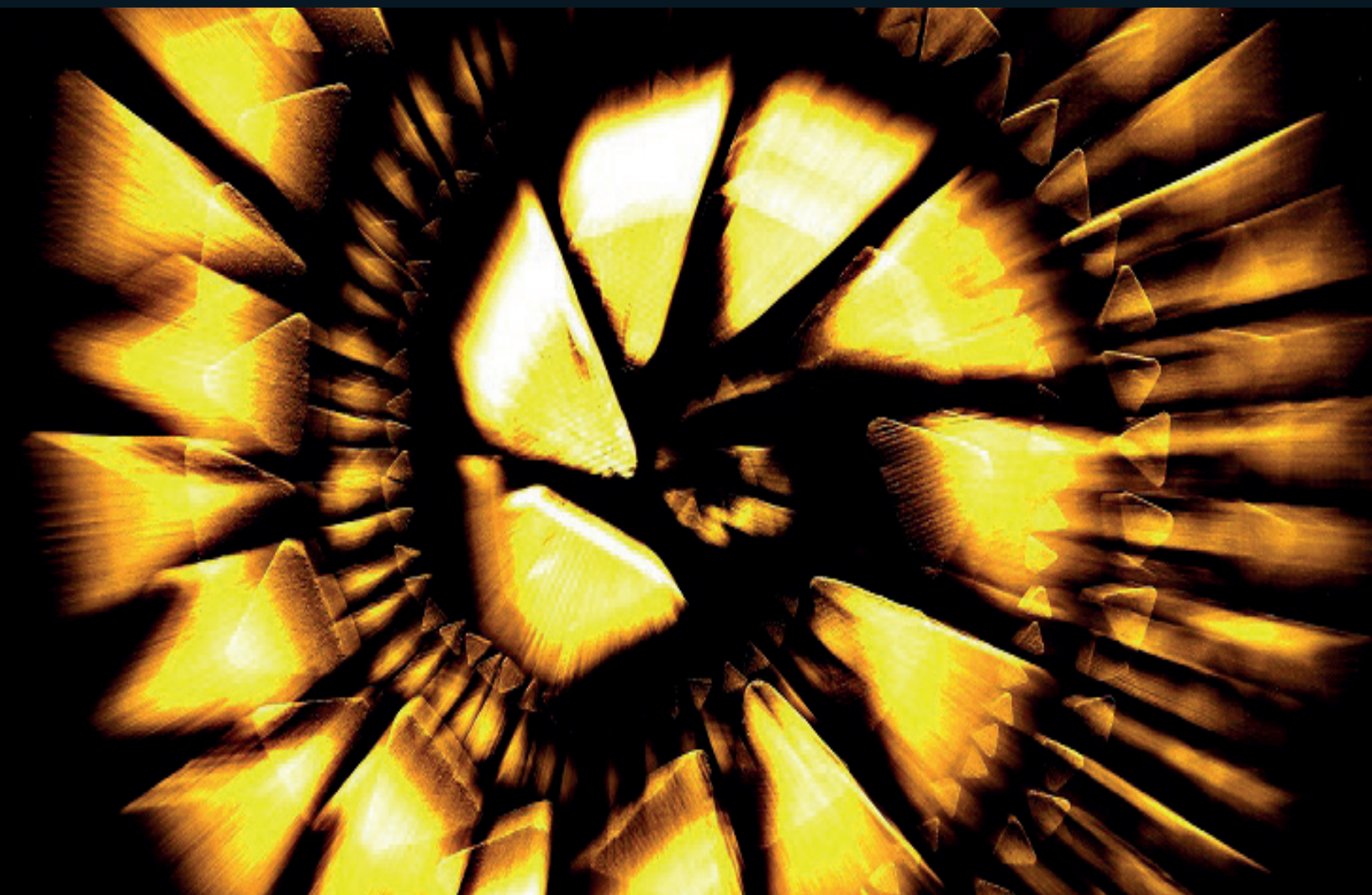
RÖSLER®
finding a better way ...

Consumables



Vibratory finishing systems, working in perfect harmony

When it comes to dealing with surface finishing and surface preparation problems, Rosler 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.

It is not by chance that our innovative developments and our high quality standards have established Rosler as the world technology and market leader in surface finishing and surface preparation.

In more than 60 countries we support our customers with a closely-knit network of Rosler 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 similar 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!

Rosler Metal Finishing USA, LLC's headquarters in Battle Creek Michigan covers nearly 300,000 square feet and serves our customers with mass finishing and shot blasting equipment, consumables and the best after sales service support. Our campus features separate media production facilities, allowing us to be responsive to our customers' needs in both composition and supply. Over 95% of the media sold in North America - both ceramic and plastic - is made here in the US!

Test centres around the world

Our main test centers for vibratory finishing and shot blasting are located at the Rosler North American headquarters in Battle Creek, MI:

- Nearly 30 different mass finishing and shot blast machines
- On an area of about15,000 sqft

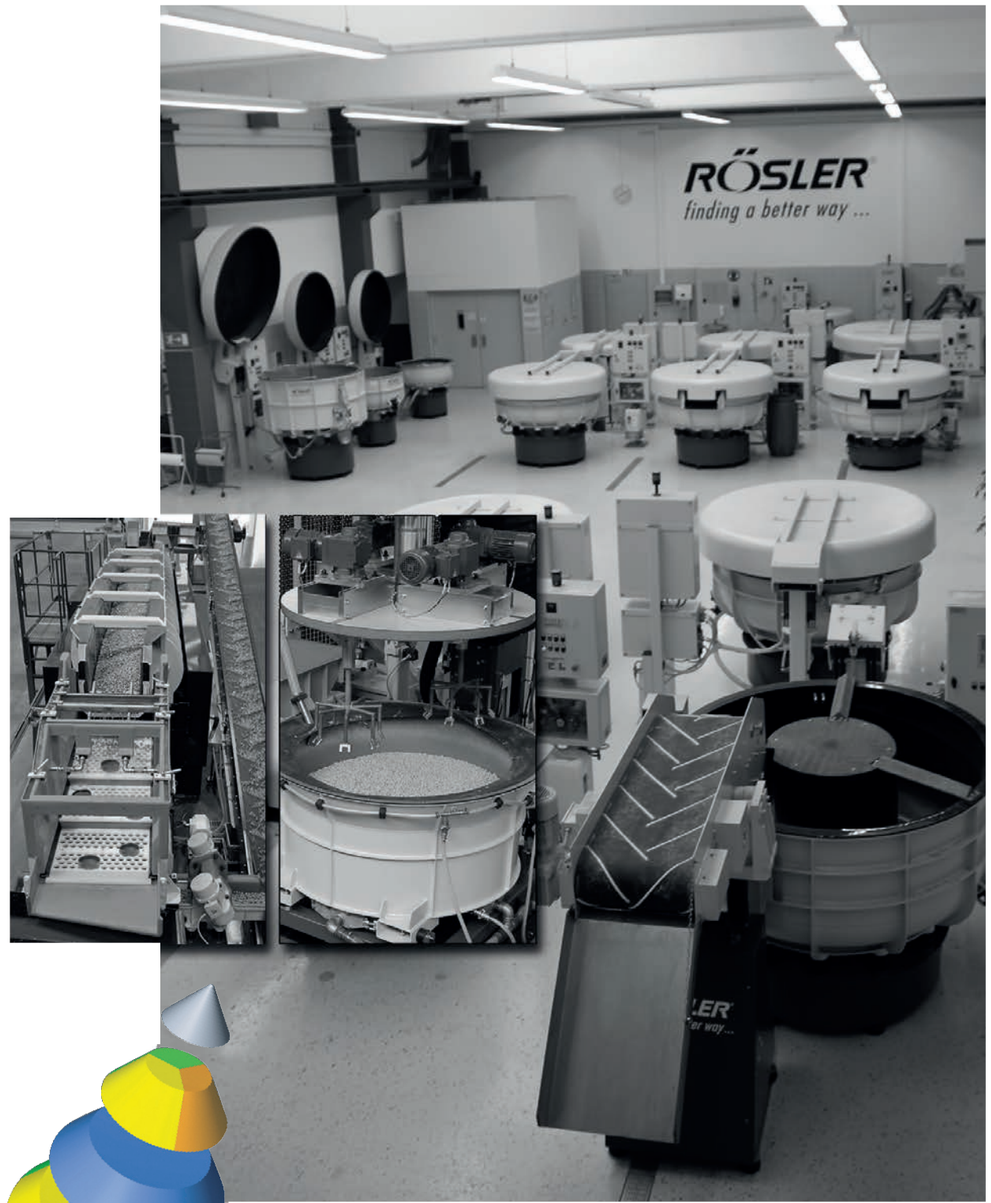
Similar test centres are located in the Germany, Great Britain, France, the Netherlands, Belgium, Switzerland, Spain, Italy, Austria, South Africa, Brazil, India and Serbia.

Complete process solutions

- Machines, consumables and safety work in perfect harmony
- Efficiently linked mass finishing and shot blasting processes.
- Service teams available to perform installation and setup.
- Training for your staff and employees
- After-Sales support and service

Team spirit

Rosler is a dynamic company, in which the initiative and commitment of each single employee plays a key role. Systematic, ongoing training and a cooperative management style combined with a lean organisational structure are key elements of our employee-focused philosophy. Naturally, our comprehensive training program ensures that today we are already grooming the skilled employees of tomorrow.



Fields of Application

Consumables

When it comes to mass finishing consumables, no one in the industry can match the extent of the Rosler product line, or our industry experience. Starting over 60 years ago with the production of high quality ceramic media at our plant in Bad Staffelstein, Germany. We have expanded the production capabilities in Germany and the US to plastic media, compounds, waste water treatment chemicals and other axillary consumables for mass finishing. Currently we offer over 8000 different items to meet your specific surface finishing needs. Quality is another area in which Rosler cannot be matched. We manufacture our consumables to the highest quality control standards. Our standards for environmental protection are just as high. We use environmentally-friendly raw materials, and ensure that our manufacturing process maintains the highest standards for keeping the environment clean.

Overview

Selection Criteria for Rosler Consumables

Surface Finishing

Deburring · Rough grinding · Fine grinding · Smoothing · Polishing · Radiussing · 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 perfoms. 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	The surface 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 components and media clean, and can also provide corrosion protection and/or degreasing. In order to determine the right compound for the process you must consider: ▸ the material of the component ▸ the required surface finish ▸ the individual application and process requirements ▸ the method of waste water treatment or recycling 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.
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.

If you have any questions, our process specialist will be happy to help!

Special Processes

Deburring · Rough grinding · Fine grinding · Smoothing · Polishing · Radiussing · Cleaning · Degreasing · Descaling · Corrosion Protection & Rust Removal · Ball Burnishing · Pressure Deburring

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.

Catalogs are available upon request and on our website at www.rosler.us

To process your components we manufacture a complete line of surface finishing equipment:
Rotary Bowls · Trough · Continuous Flow Systems · Multi-Channel · Long Radius · Plunge Finishers · High Energy Centrifugal Disc Systems · Drag Finishing Systems · Surf Finishing Systems · Dryers · Waste Water Treatment

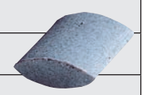
Please contact our process specialists to discuss your individual surface finishing requirements.

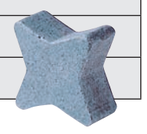
Ceramic Media Product Range

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 preperation 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
RMB/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

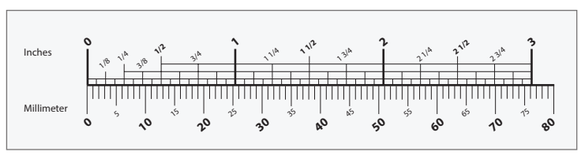




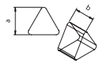
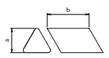
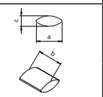
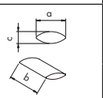
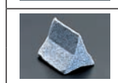
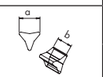
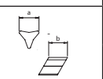
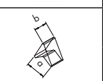
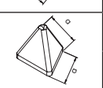
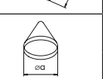
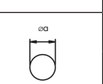
Ceramic Media Capabilities

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	Measure-ment			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	SCTRI	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	ACTRI	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, 02, 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.

Rev 06/2016

Ceramic Media

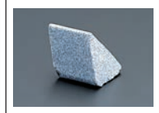
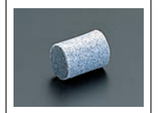
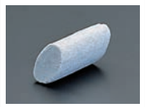
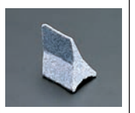
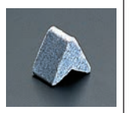
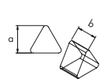
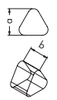
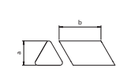
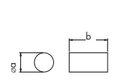
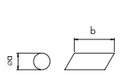
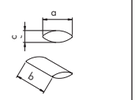
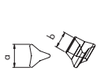
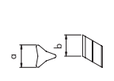
Metric	Quality	Measurement	Shape
Ordering Example:	**RX**	**15/15**	**S**

OR

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

Composition	Approx. Bulk Density lbs/ft³	Grinding Performance	Grinding Result
RP	**115**		
RF	**95**		
RHD	**140**		
RCP	**145**		
RM	**98**		
RPM	**98**		
RS	**100**		

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

	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	
Shape																										
Measurement																												
Designation	**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**
	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.

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

Ceramic Media

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/ft³	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 Tetra-hedron		Cone		Balls	
Measurement																												
Designation	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
	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
RSG	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 5/8	10/10 15/15	3/8 x 3/8 5/8 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										
RXF	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								
RX	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 1-1/2					04/04 06/06 10/10	5/32 x 5/32 1/4 x 1/4 3/8 x 3/8										
RMB/D1	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		
RXX	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								
RXXD	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.

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Plastic Media Product Range

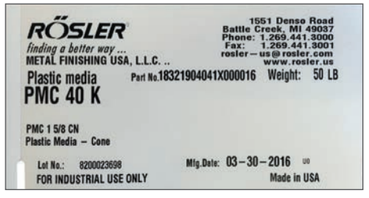
Our standards are no less exacting for our plastic media. Where others follow, we continuously improve our production processes to stay in the lead. The entire production process, mixing to forming to curing is totally automated. The process is computer controlled and continuously monitored. All shapes 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

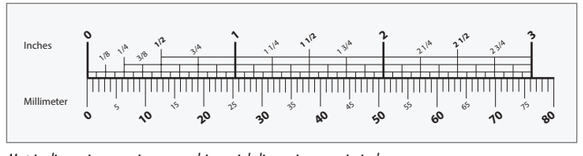
Composition	Finish	Cut	Typical Applications
PPP	Very fine	Low	Brightening, fine finishing, preplate
PLC	Medium	Low	Cleaning, deflashing of die castings
PMC	Fine to medium	Medium	General Purpose Deburring
PFC-S	Coarse	Fast	Fast deburring of soft to hard metals
PFC-ZF	Fine, matt	Fast	Fine finishing of 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

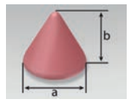
Rosler offers the widest range of plastic media in the world. Our in house production allows us to produce a large variety of shapes and sizes. There are limits to what can be done and what makes sense. If you cannot find the right size in this catalog, please contact your representative or a member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



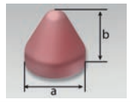
The opposite page shows Rosler's available shapes and sizes for ceramic media. For your convenience we list both metricand imperial sizes on our labels.



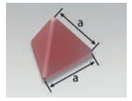
Metric dimensions are in mm and imperial dimensions are in inches.



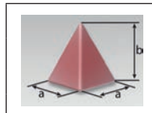
Cone		Actual Dimensions mm			Actual Dimensions in		
K	CN	a	b	c	a	b	c
08	5/16	7	10		9/32	3/8	
10	3/8	10	10		3/8	3/8	
14	9/16	14	19		9/16	3/4	
16	5/8	16	16		5/8	5/8	
20	3/4	20	20		3/4	3/4	
25	1	25	25		1	1	
30	1-1/4	31	30		1-1/4	1-1/4	
40	1-5/8	42	42		1-5/8	1-5/8	
50	2	50	55		2	2-1/8	



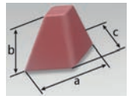
Cone (Rounded Top)		Actual Dimensions mm			Actual Dimensions in		
KR	RTC	a	b	c	a	b	c
14	9/16	14	13		9/16	1/2	
19	3/4	19	17		3/4	11/16	



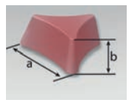
Pyramid (Tetrahedron)		Actual Dimensions mm			Actual Dimensions in		
P	TET	a	b	c	a	b	c
10	3/8	10			3/8		
12	1/2	12			1/2		
20	3/4	20			3/4		
30	1-1/4	30			1-1/4		
40	1-5/8	40			1-5/8		
50	2	50			2		
60	2-3/8	60			2-3/8		
80	3-1/8	80			3-1/8		



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	

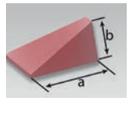


Pyramid (Diamond Base)		Actual Dimensions mm			Actual Dimensions in		
PD	PYR DIA	a	b	c	a	b	c
37	1-5/8	37	25	22	1-1/2	1	7/8
45	1-3/4	45	33	22	1-3/4	1-1/4	7/8
50	2	50	49	26	2	1-7/8	1



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.

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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/ft³	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**			
WPHC	**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				

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Rev 06/2016

Surface Finishing Compounds

– the most comprehensive range in the world.

Rosler Surface Finishing Compounds

Rosler's compounds are ideal for all surface finishing processes. Our manufacturing process 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 allows 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.

	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	+	+	+	+	+	+	+	++

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

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	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 corossion 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	•	+	+	•	++	+

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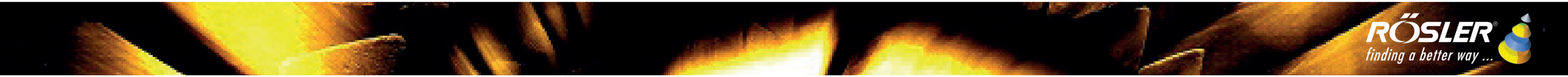
*We provide ***special compounds and pastes for special processes***.



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

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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 environmentally-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	Standard	recirculation	Suitable for automatic dosing by pump
	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.			
	pH Value 0.5 %	9.0-10.0 approx.	9.0 approx.	9.0 approx.	9.0 approx.	9.0 approx.			
Metals	**Steel/Iron**	++	+	++	+	+			
	Stainless Steel	+	++	++	+	+			
	Copper/Brass	•	+	++	++	++			
	Aluminium	•	•	•		•			
	Zinc	•	•	•		•			
	Magnesium								
Applications	**Grinding/Deburring/ Radiussing Edges**	+	+	+	•	•			
	Smoothing/Polishing	+	++	++	++	++			
	Polishing	+	+	++	++	++			
	Powder Paste	**RPP 503**	**RPP 527**	**RPP 579**	**RPP 590**	**RPP 520**			
	Liquid Dosable	**RPP 803**	**RPP 827**	**RPP 879**	**RPP 890**	**RPP 820**			

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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 Polishin g Media		Materials	Designation		mm a	mm b	in a	in 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

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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					
Properties	**Corrosion Protection**	•	•			
	Cleaning	+	++	++	+	+
	Degreasing		•	•	+	•
	Brightening	+	++	++	++	++
	Smoothing	+	++	++	++	++
	Pickling	++	+	+	+	+
	Foam	+	+	++	+	++

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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.

Auxiliary Surface 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 spotless 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**

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	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		•	
Applications	Grinding/Deburring/ Radiussing Edges	•	++	+
	Degreasing/De-oiling		++	
	Smoothing/Polishing	++	+	
	Polishing			
	Ball polishing			
Properties	Corrosion Protection	+	++	
	Cleaning	+	++	
	Degreasing		++	
	Brightening	+	+	
	Foam	•	+	

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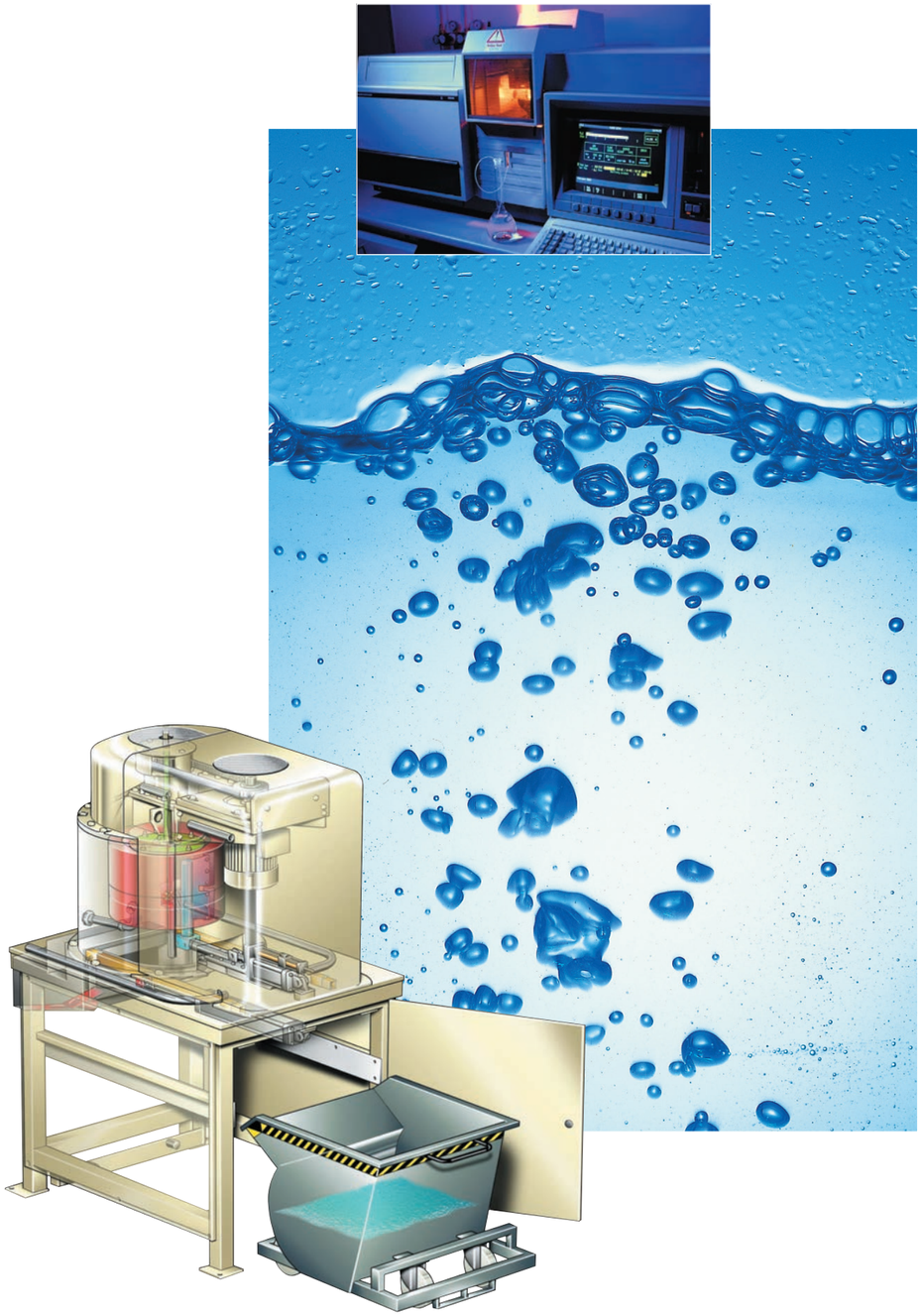
Effluent Treatment



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:

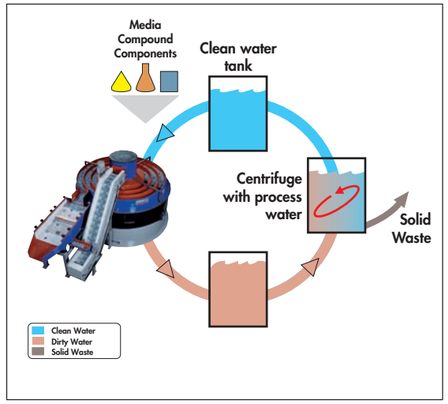
- process water centrifuges with Turbo-Floc® technology
- process water separators and settling tanks
- auxiliary equipment, such as buffer tanks, reaction tanks, and lifting stations

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 centrifugre applications.		

RÖSLER®
finding a better way ...

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.

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

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