



Surface Finishing Media

we redefine

Ceramic Finishing Media



Man x Machine x Media = M³

The thinking behind our finishing media.



Selecting the right media for your process

When selecting the media, you should consider the following factors:

1. Type

The media transmits the energy generated by the equipment to the parts being processed and are capable of heavy burr removal, edge radiusing to smooth and bright surfaces.

Ceramic Media is recommended for removing burrs, edge radiusing, burnishing and to quickly remove polishing lines on components made from harder materials.

Faster cut Medias are designed to be softer, thus allowing the cutting elements to be exposed.

Polishing Medias are harder (which contain no abrasives) and are used for burnishing. In general, the slower the cut, the harder the media.

2. Shape

When choosing the shape of the media it is important to consider the geometry of the part - hence any lodgement of media can be avoided and the part finish will be consistent.

A flat sided media, such as triangles, tri-stars, wedges and the end side of cones, can generate longer surface contact time on edges for deburring and radiusing. However, round shaped media, such as balls, cylinders and cones generate a single point contact concentrating energy in one small point, therefore producing more work in that area.

For components which have corners, holes and slots both

Tri-Star media and wedge media are recommended, minimising the possibility of media lodgement.

For surface improvement of hard to reach areas, an ellipse or cylinder shape can be considered.

3. Size

The component finish is also subject to the size of media chosen. A larger media will generate higher energy; hence it will cut and finish faster with higher wear rates. This is also recommended for processing larger parts.

A smaller media can hold more water and compound resulting in less part-on-part damage. Also, a smaller media has a gentler impact on part, which results in longer processing times, better finishes and less media wear.

Generally, media size has to be of a different size to the part to allow complete separation at the end of the finishing process. If media is larger than parts, then an inverse separation system can be used. For ferrous components, magnetic separation is also available.

4. Hardness

To avoid damaging the component, it is important to consider the part material and the hardness of the media. Ceramics are harder than plastic media, hence it may cause damage to soft materials.

ActOn Ceramic Media

Over the years, we have been at the forefront of the industry, developing a range of specially formulated consumables approved by the manufacturing industry.

Working closely with highly skilled manufacturers, our Engineers understand the numerous challenges faced in the industry and have developed ceramic media accordingly. Our R&D department always sets high standards for the high quality media we produce.

ActOn ceramic media is manufactured at our facility in Kedah, Malaysia and it is subject to strict quality control to ensure our customers receive a high quality product everytime.

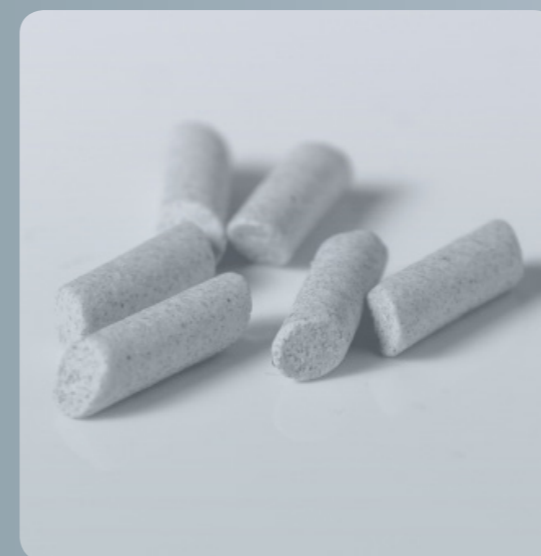
This type of media is manufactured by mixing an abrasive, such as aluminum oxide, silicon carbide or quartz, with a ceramic matrix in a wet state. The matrix (a damp clay) is extruded through various shaped dies and wire cut into small pieces. The preformed media is then fired at high temperatures through a kiln for up to 24 hours with precise heat up and cool down cycles. The ceramic pieces can then be pre-conditioned to remove any flash if required.

ActOn ceramic media comes in a wide range of sizes and shapes such as angle cut and straight cut triangles, angle cut and straight cut cylinders, star, tristar, ellipse, angle cut ellipse and arrow. The advantage of having such a wide range of shapes is that it allows you to achieve a consistent, highly homogeneous surface finish on parts with intricate shapes and contours.



Advantages of ActOn Ceramic Media

- Has a high strength and long wear ability
- Good value for money
- Ceramic media with no abrasive content is great for polishing and burnishing applications
- Great for removing heavy burrs, edge radiusing and for grinding components manufactured out of hard metals, like stainless steel, titanium or tungsten carbide.
- Quickly removes machining lines
- Quickly removes finishing lines
- Can be used to reduce surface roughness and obtain a smooth surface

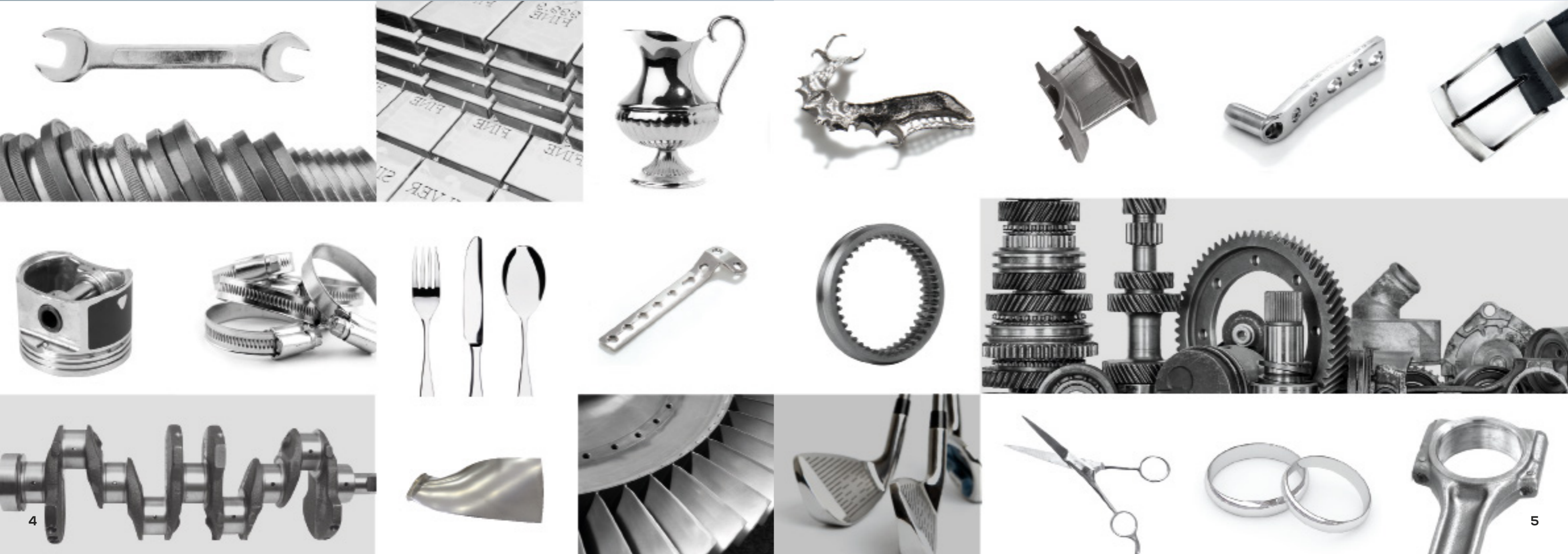


Click [here](#) to request a Quotation today!

Finishing Applications

Deburring
Descaling
Degreasing
Oil Removal
Cleaning
Smoothing

Radiusing
Brightening
Polishing
Drying
Corrosion Protection



Ceramic Media

Our ceramic media comes in a variety of abrasive grades, starting from low abrasive to super finishing. This type of media is suitable for various deburring, radiusing and polishing processes, and is specially formulated to go hand-in-hand with ActOn's compounds.

ActOn ceramic media has a high strength and long wearability, and it is recommended to process parts manufactured out of harder materials.

How to order with ActOn:

- 1 Choose grade
Example: ALC
- 2 Choose shape
Example: Angle Cut Triangle
- 3 Choose measurement
Example: 3X8

Special Ceramic Media Shape Available:
RT (Rounded Triangle). Please contact our sales representatives for further dimensions

For further dimensions and special types of media specific for your application, please contact our sales representatives.

The media grade is the product name. Based on the grinding performance and surface finish required, the appropriate grade must be chosen.

Media Grade	Grinding Performance	Surface Finish	Triangle		Cylinder												
			ACT Angle Cut	SCT Straight Cut	ACC Angle Cut	SCC Straight Cut	S Star	TR Tristar	ACTR Angle Cut Tristar	E Ellipse	ACE Angle Cut Ellipse	AR Arrow	B Ball				
			a x b	a x b	a x b	a x b	a x b	a x b	a x b	a x b	a x b x c	a x b x c	a x b	a			
ALC	Low cut		3 x 8	10 x 20	3 x 3	10 x 20						8 x 3 x 8					
			4 x 4	12 x 4	3 x 8	13 x 13							8 x 3 x 9				
			4 x 10	13 x 13	4 x 4	13 x 26							10 x 5 x 10				
AMC	Medium cut		4 x 13	13 x 26	4 x 10	15 x 15	3 x 10	10 x 15					10 x 5 x 15				
			5 x 5	15 x 15	5 x 5	15 x 18	10 x 10						10 x 12 x 5				
			5 x 10	15 x 15	5 x 10	15 x 25	10 x 20						12 x 5 x 12	8 x 3 x 8			
			5 x 12	15 x 18	6 x 6	16 x 16	10 x 20						12 x 5 x 15	8 x 3 x 10			
			6 x 10	16 x 16	6 x 6	16 x 32	20 x 8						13 x 5 x 13	10 x 5 x 10			
			6 x 12	16 x 32	6 x 10	16 x 32	20 x 10						14 x 5 x 14	12 x 5 x 12			
			6 x 12	19 x 19	7 x 7	20 x 12	20 x 12						15 x 4 x 15	15 x 4 x 15	10 x 10		
			8 x 8	20 x 20	8 x 8	20 x 16	20 x 12						15 x 6 x 15	15 x 6 x 15	12 x 12		
			8 x 12	21 x 21	8 x 8	20 x 16	25 x 20						15 x 7 x 15	16 x 8 x 15	15 x 10		
			9 x 9	25 x 25	8 x 12	20 x 20	30 x 12						15 x 7 x 20	20 x 8 x 15	15 x 15		
AHC	High cut		10 x 6	30 x 25	10 x 8	30 x 25	8 x 15	20 x 30	25 x 20	20 x 8	15 x 6	25 x 30	15 x 7 x 25	20 x 9 x 20	20 x 20	15	
			10 x 10	30 x 30	10 x 10	30 x 30	30 x 12	20 x 10	15 x 10	30 x 10	15 x 15	30 x 12	16 x 7 x 16	20 x 9 x 20	25 x 25	20	
			10 x 15	32 x 32	10 x 15	32 x 32	30 x 30	20 x 20	15 x 10	30 x 10	15 x 18	30 x 15	16 x 8 x 16	25 x 10 x 20	25 x 25	25	
								25 x 25	15 x 18	30 x 15	15 x 20	30 x 30	16 x 8 x 20	25 x 10 x 25			
													20 x 8 x 20	30 x 12 x 30			
Special Grade																	
ALB	Low cut and good surface finish											8 x 3 x 8					
ACE3	Low cut		3 x 8	10 x 20	3 x 3	10 x 20						8 x 3 x 9					
			4 x 4	12 x 4	3 x 8	13 x 13							10 x 5 x 10				
			4 x 10	13 x 13	4 x 4	13 x 26							10 x 5 x 15				
ACE4/1	Medium cut		4 x 13	13 x 26	4 x 10	15 x 15	3 x 10	10 x 15	10 x 10				10 x 12 x 5				
			5 x 5	15 x 15	5 x 5	15 x 18	10 x 20						12 x 5 x 12	8 x 3 x 8			
			5 x 10	15 x 15	5 x 10	15 x 25	10 x 20						12 x 5 x 15	8 x 3 x 10			
			5 x 12	15 x 18	6 x 6	16 x 16	20 x 8						13 x 5 x 13	10 x 5 x 10			
			6 x 6	16 x 16	6 x 10	16 x 32	20 x 10						14 x 5 x 14	12 x 5 x 12			
ACE7/1	High cut		6 x 10	16 x 32	6 x 12	19 x 19	6 x 10	15 x 20	20 x 10				15 x 4 x 15	15 x 4 x 15	10 x 10		
			6 x 12	19 x 19	6 x 12	19 x 19	20 x 10					15 x 5 x 15	15 x 6 x 15	12 x 12			
			6 x 12	19 x 19	7 x 7	20 x 12	20 x 12					15 x 6 x 15	15 x 7 x 15	14 x 14			
			8 x 8	20 x 20	8 x 8	20 x 16	20 x 12					15 x 7 x 15	16 x 8 x 15	15 x 10			
			8 x 12	21 x 21	8 x 8	20 x 16	20 x 20					15 x 7 x 20	20 x 8 x 15	15 x 15			
AFG	Very high abrasive		8 x 12	25 x 25	8 x 12	20 x 20	7 x 15	20 x 20	25 x 20	20 x 8	15 x 6	25 x 30	15 x 7 x 25	20 x 9 x 20	20 x 20	18 x 18	
			9 x 9	30 x 25	9 x 9	25 x 25	30 x 12					16 x 7 x 16	20 x 9 x 20	20 x 9 x 25	25 x 25		
			10 x 6	30 x 25	10 x 8	30 x 25	30 x 30					16 x 8 x 16	25 x 10 x 20	25 x 10 x 25			
			10 x 10	30 x 30	10 x 10	30 x 30						16 x 8 x 20	25 x 10 x 25	25 x 13 x 25			
			10 x 15	32 x 32	10 x 15	32 x 32						15 x 18	30 x 15	30 x 12 x 30			
AFB	Fast cut																

Ceramic Media

How to order with ActOn:

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Example: APG
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Example: Angle Cut Triangle
- 3 Choose measurement
Example: 3X8

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Click [here](#) to request your Free Trial today!

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			ACT Angle Cut	SCT Straight Cut	ACC Angle Cut	SCC Straight Cut	S Star	TR Tristar	ACTR Angle Cut Tristar	E Ellipse	ACE Angle Cut Ellipse	AR Arrow	B Ball						
Polishing Grade			a x b	a x b	a x b	a x b	a x b	a x b	a x b	a x b	a x b x c	a x b x c	a x b	a					
APG	Polishing		3 x 8	10 x 20	3 x 3	10 x 20						8 x 3 x 8							
			4 x 4	12 x 4	3 x 8	13 x 13							8 x 3 x 9						
			4 x 10	13 x 13	4 x 4	13 x 26							10 x 5 x 10						
			4 x 13	15 x 15	5 x 5	15 x 18							10 x 5 x 15						
APM	Polishing and good surface finish		5 x 5	15 x 15	5 x 5	15 x 18	3 x 10	10 x 15	10 x 10				10 x 12 x 5	8 x 3 x 8					
			5 x 10	15 x 18	5 x 10	15 x 25	4 x 10	10 x 20	4 x 4	4 x 4	15 x 25			12 x 5 x 12	8 x 3 x 10				
			5 x 12	16 x 16	6 x 6	16 x 16	5 x 10	13 x 25	6 x 6	4 x 8	20 x 8			12 x 5 x 15	8 x 3 x 10				
			6 x 6	16 x 16	6 x 10	16 x 32	6 x 10	15 x 20	8 x 8	6 x 6	20 x 20			13 x 5 x 13	10 x 5 x 10				
			6 x 10	16 x 32	6 x 10	16 x 32	6 x 10	15 x 20	10 x 10	6 x 10	20 x 20			14 x 5 x 14	12 x 5 x 12				
			6 x 12	19 x 19	6 x 12	19 x 19	6 x 10	15 x 20	20 x 8	10 x 10	20 x 25			15 x 4 x 15	15 x 4 x 15	10 x 10			
			6 x 12	20 x 20	7 x 7	20 x 12	6 x 12	15 x 25	20 x 10	10 x 12	20 x 30			15 x 5 x 15	15 x 6 x 15	12 x 12			
			8 x 8	20 x 20	8 x 8	20 x 16	6 x 12	16 x 16	20 x 10	12 x 12	25 x 10			15 x 6 x 15	15 x 7 x 15	14 x 14			
			8 x 12	21 x 21	8 x 12	20 x 20	6 x 12	16 x 32	20 x 12	12 x 12	25 x 10			15 x 7 x 15	16 x 8 x 15	15 x 10			
			9 x 9	25 x 25	9 x 9	25 x 25	7 x 7	19 x 19	20 x 12	15 x 15	25 x 15			15 x 7 x 20	20 x 8 x 15	15 x 15			
			10 x 6	30 x 25	10 x 8	30 x 25	8 x 8	20 x 20	25 x 20	20 x 8	25 x 25			16 x 7 x 16	20 x 8 x 20	18 x 18			
			10 x 10	30 x 30	10 x 10	30 x 30	8 x 12	20 x 20	30 x 12	20 x 10	30 x 10			16 x 8 x 16	20 x 9 x 20	20 x 20			
10 x 15	32 x 32	10 x 15	32 x 32	9 x 9	25 x 25	30 x 30	20 x 20	30 x 30			16 x 8 x 20	25 x 10 x 20	25 x 25						
APM/1	Polishing and good surface finish		10 x 6	30 x 25	10 x 8	30 x 25	8 x 15	20 x 20	25 x 25	15 x 15	30 x 12	16 x 8 x 20	25 x 10 x 20						
			10 x 10	30 x 30	10 x 10	30 x 30	8 x 20	25 x 25	8 x 20	25 x 25	15 x 18	30 x 15	16 x 8 x 25	25 x 13 x 25					
			10 x 15	32 x 32	10 x 15	32 x 32					15 x 20	30 x 30	20 x 8 x 20	30 x 12 x 30					
													20 x 9 x 20						
													20 x 9 x 25						
													25 x 10 x 25						
													25 x 10 x 30						
													30 x 12 x 30						
			APD	High density		3 x 8	10 x 20	3 x 3	10 x 20						8 x 3 x 8				
4 x 4	12 x 4	3 x 8				13 x 13							8 x 3 x 9						
4 x 10	13 x 13	4 x 4				13 x 26							10 x 5 x 10						
4 x 13	15 x 15	5 x 5				15 x 18							10 x 5 x 15						
CP2 VHD	High density		5 x 5	15 x 15	5 x 5	15 x 18	3 x 10	10 x 15	10 x 10				10 x 12 x 5	8 x 3 x 8					
			5 x 10	15 x 18	5 x 10	15 x 25	4 x 10	10 x 20	4 x 4	4 x 4	15 x 25			12 x 5 x 12	8 x 3 x 10				
			5 x 12	16 x 16	6 x 6	16 x 16	5 x 10	13 x 25	6 x 6	4 x 8	20 x 8			12 x 5 x 15	10 x 5 x 10				
			6 x 6	16 x 16	6 x 10	16 x 32	6 x 10	15 x 20	8 x 8	4 x 10	20 x 10			13 x 5 x 13	12 x 5 x 12				
			6 x 10	16 x 32	6 x 10	16 x 32	6 x 10	15 x 20	10 x 10	6 x 6	20 x 20			14 x 5 x 14	15 x 4 x 15	10 x 10			
			6 x 12	19 x 19	6 x 12	19 x 19	6 x 10	15 x 20	20 x 8	6 x 10	20 x 25			15 x 4 x 15	15 x 6 x 15	12 x 12			
			6 x 12	20 x 20	7 x 7	20 x 12	6 x 12	16 x 16	20 x 10	10 x 12	20 x 30			15 x 5 x 15	15 x 7 x 15	14 x 14			
			8 x 8	20 x 20	8 x 8	20 x 16	6 x 12	16 x 32	20 x 12	12 x 12	25 x 10			15 x 6 x 15	16 x 8 x 15	15 x 10			
			8 x 12	21 x 21	8 x 12	20 x 20	6 x 12	16 x 32	20 x 12	12 x 12	25 x 15			15 x 7 x 15	20 x 8 x 15	15 x 15			
			9 x 9	25 x 25	9 x 9	25 x 25	7 x 7	19 x 19	20 x 12	15 x 15	25 x 25			15 x 7 x 20	20 x 8 x 20	18 x 18			
			10 x 6	30 x 25	10 x 8	30 x 25	8 x 8	20 x 20	25 x 20	20 x 8	25 x 30			15 x 7 x 25	20 x 9 x 20	20 x 20			
			10 x 10	30 x 30	10 x 10	30 x 30	8 x 12	20 x 20	30 x 12	20 x 10	30 x 10			16 x 7 x 16	20 x 9 x 25	25 x 25			
10 x 15	32 x 32	10 x 15	32 x 32	9 x 9	25 x 25	30 x 30	20 x 20	30 x 30			16 x 8 x 16	25 x 10 x 20							

About ActOn Finishing

ActOn Finishing Ltd is UK's leading expert in designing and developing the state-of-the-art machinery and finishing solutions of tomorrow.

Established in 1965 as a UK leading family business, we've worked hard to design, develop and manufacture a product of high British standard that will redefine your work.

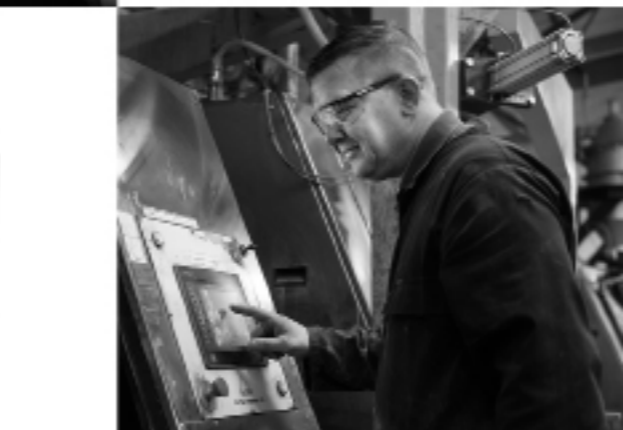
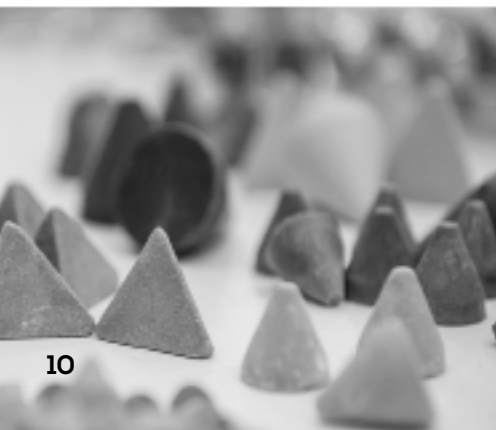
We cater to a range of industries including Aerospace, Medical, General Engineering, Hospitality, Automotive and Additive Manufacturing.

Our products and services include:

- Vibratory Machines
- High Energy Machines
- DLYte Technology
- Fully Automated Systems
- Shot Blasting Machines
- Finishing Consumables
- Waste Water Treatment
- High Energy & Vibratory Finishing Services
- Precision Polishing & Inspection
- Shot Blasting Services
- Equipment Installation, Training & Maintenance
- Polyurethane Lining, Repair & Spare Parts Service

Our head office, subcontracting facility and machinery & consumables manufacturing facility are located in Coventry, U.K. We also have a branch office in Kedah, Malaysia where we manufacture our ceramic media.

As a process driven business, we provide our customers the most optimum cost-effective solutions to achieve their required standards in highly demanding markets. Our aim is to achieve customer satisfaction through continuous improvement in our approach and practices.



What Our Customers Say

"We stopped searching for a good quality polishing media once we tested ActOn's APM media."

" We were facing difficulties in removing the machining lines on the components manufactured by us. The combination of ActOn media and compounds helped improve the finish and quality of our products."

" Regardless of day or time, their response to all technical enquiries is excellent. "



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