



Finish. First.



Premium Solutions
for the Medical Industry



Why Osborn

Osborn, with the brands: Lippert® - Unipol® - Langsol® - Canning - Rotifix®, is a well-known supplier to the medical industry. A full range of trusted products offer best in class solutions for surface treatment and cleaning applications.

Animal fat free compounds

In order to meet the compliance requirement demands of the medical industry, FDA directives, TOSCA and REACH, Osborn has developed and already proven, a full range of bovine, animal fat and animal tissue free liquid and solid compounds, suitable for polishing surgical instruments, orthopaedic implants, dentures or prosthetic devices. Also taking in to account the material to be finished whether stainless steel, titanium, precious metals, non-ferrous metals or alloys. Compounds are also available for plastics and acrylics.

Tools

Osborn has more than 125 years' experience manufacturing technical brushes and a range of non-woven products. To complement our compounds cloth mops and buffs are available, as well as small polishing brushes.

Manufacturers of scalpels, stents or implants, surgical instruments and equipment have already chosen Osborn as their preferred supplier of cleaning, finishing and polishing tools.

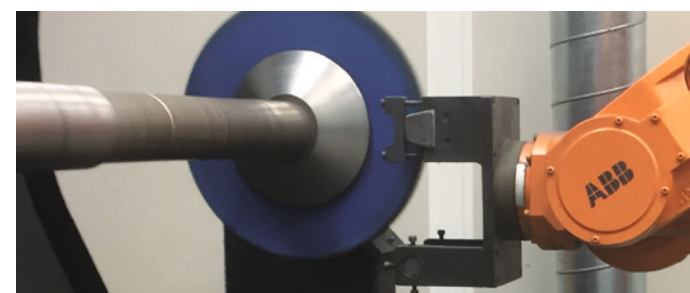
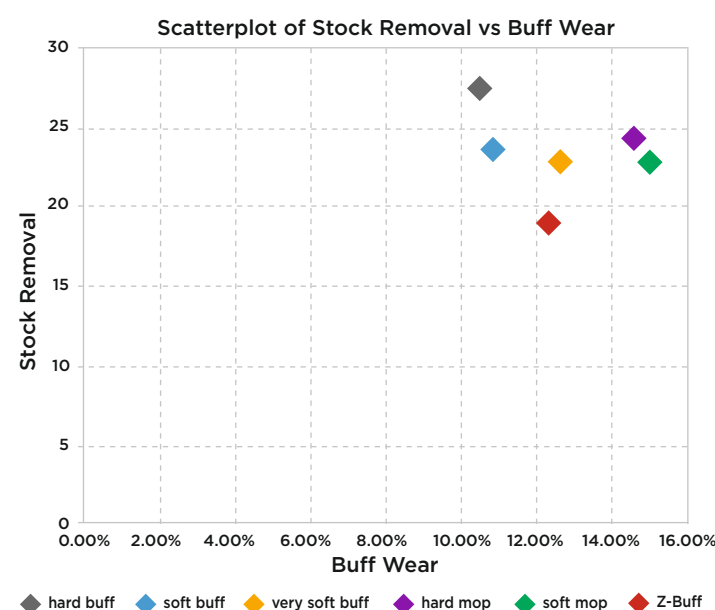
A selection of tools can be found in this leaflet - more are available in our more general catalogue under <http://www.osborn.com/en-de/support/literature.html>

Solutions

Osborn does not just supply tools and compounds, our qualified sales staff and engineers are available to offer advice on achieving the desired finish on all surfaces. We welcome your enquiries on new applications.

Research and Development

Two high tech laboratories are at the disposal of the Osborn R & D teams, focused on testing and developing new products but also checking on the performance of the existing range and the raw materials involved. Both labs are equipped with modern robots in order to simulate customer processes and carry out service life tests.



Osborn Polishing Robot: Quality testing of buffs and compounds.

Operations in
14
Countries

Brazil
China
France
Germany
India
Mexico
Portugal
Romania
Singapore
Spain
Sweden
Taiwan
United Kingdom
United States

Offers access to new ideas, economies of scale, and new techniques to master your surface treatment and finishing needs.

Sales offices in
23 Countries
2,000
Employees worldwide

Servicing more than
120
Countries

through numerous agencies and strong distribution networks. Providing insight into the customs and best practices necessary to succeed anywhere in the world.

About Osborn

Since Osborn's inception in 1887, success has always been about ensuring that you finish first. Whether it was last century, last week or in the last hour, customers like you need the right solutions and count on us.

As the global leader in surface treatment and finishing solutions, we have more patents on products and processes than all other brush companies combined.

Engineering expertise and manufacturing skills are what set the Osborn brand apart. People experienced in surface treatment

solutions and finishing tools, collaborating with customers to achieve optimum results. Matching tough finishing problems with the right solutions when and where you need them.

In addition to more than 10,000 standard products sold in more than 120 countries, we offer local support throughout the world. So, no matter where you or your customers are located, you will always have access to Osborn application expertise and the industry's best, most practical solutions.

When you start with Osborn, you finish first.

A selection of our well known brands within the medical industry:





Osborn Medical® Compounds

Osborn has combined the experience of Unipol, Langsol and Canning, to develop a full range of high performance polishing compounds for the medical industry. Using top quality minerals and vegetable fats, cutting, polishing, colouring and superfinishing compounds are available to achieve a variety of finishes on stainless steel, titanium and non-ferrous metals, as well as plastic and acrylic surfaces.

All compounds are animal fat free and free of animal tissue and fats. They do not contain quartz, cadmium or lead.

Osborn compounds are fast and efficient in use, with consumption kept to a minimum. Grinding marks are easily removed to achieve a clean, uniform surface finish with no micro scratches.

Process	Color	Solid Bar (150x35x35 mm)	Apply on				
			Plastic	Stainless, Ferrous	Non-Ferrous	Precious Metals	Titanium, Alloys
Cutting	Grey	L789006310	✓	✓			✓
	Rose	L789001128		✓	✓		✓
Polishing	Brown	L789132001	✓		✓		
	Blue	L789000466	✓	✓	✓	✓	✓
	Yellow	L788840090		✓	✓	✓	✓
Colouring	White	L789020455		✓			✓
	Pink	L788191001		✓	✓		✓
	Green	L789000017		✓			✓
	Red	L780012101				✓	
	Beige	L788035077	✓				
Superfinishing	Gold	L788040408	✓	✓		✓	✓
	Diamond	L788040420		✓		✓	✓
Process	Emulsion	Bottle 100 ml					
Polishing	coarse	L699010004		✓	✓	✓	✓
Colouring	medium	L699000004		✓	✓	✓	✓
Superfinishing	fine	L699020004		✓	✓	✓	✓
Process	Emulsion	Tube 50 ml					
Metal Polish		L659002102		✓	✓	✓	✓

For automatic applications on flatbed machines or robots, Osborn has a range of animal fat free liquid compounds,

already proven throughout the medical industry. These are available in industrial sized containers.

Osborn Polishing Buffs

Osborn offers a full range of polishing mops for manual applications and polishing buffs for automatic and robotic operations. Diameters range from 100 mm to 1000 mm.

100% cotton cloth in various grades is selected according to its suitability for surface finishing. Osborn ensures that all products offer a long service life, good compound adhesion, resilience or flexibility as required.

For manual operations using hand drills or flexible shafts, standard products include:

Polishing Mop (open)	Characteristics	Dia.	Width	Bore
L000220015	hard	100 mm	13 mm	6 mm
L000220041	hard	100 mm	25 mm	6 mm
L013122159	soft	100 mm	13 mm	6 mm
L013122482	soft	100 mm	25 mm	6 mm
L000209012	very soft	100 mm	13 mm	6 mm
L013122184	very soft	100 mm	25 mm	6 mm

Mini Airflow Buffs	Characteristics	Dia.	No. of plies	Bore
L010154699	hard	100 mm	10 ply	10 mm
L010154692	soft	100 mm	10 ply	10 mm
L010154708	very soft	100 mm	10 ply	10 mm

Mini Cloth Z Airflow Buff for extra flexibility	Characteristics	Dia.	No. of plies	Bore
L013600008	soft	100 mm	4 ply	6 mm

For automatic and robotic polishing, Osborn supplies machine specific buffs in a wide range of materials (sisal cord, sisal-cloth, cotton cloth) and different folds. Tell us about the size and specification required and your individual surface finishing demands, we will be happy to make our recommendations.





Osborn Minibrushes

Small Brush Wheels – Rotifix®

For almost 100 years, Rotifix® has stood for high quality, reliable tools used for dental prosthetics and other medical related sectors. Using the best natural materials available, pure black Chungking bristle and goats hair, Osborn manufactures a range of Rotifix® brushes to meet the demands of the industry. In combination with the Osborn range of polishing compounds a smooth and consistent surface is achieved.



Small Brush Wheels – Rotifix®				
Part no.	Description	Dia	Core	Rows
L090001533	Rotifix® Black extra stiff	48 mm	10 mm	1
L090001538	Rotifix® White extra stiff	48 mm	10 mm	1
L090001536	Rotifix® Goats hair extra soft	48 mm	10 mm	1
Small Brush Wheels				
Part no.	Description	Dia	Core	Rows
L090142637	Black extra stiff converging green	45 mm	26 mm	3
L090141208	Black extra stiff converging green	55 mm	26 mm	3
L090037627	Black stiff converging orange	55 mm	26 mm	2
L090140068	Black extra stiff converging green	60 mm	40 mm	4
L090104417	Black stiff converging orange	65 mm	40 mm	4
L090157114	Black extra stiff converging green	70 mm	50 mm	2
L090140066	Black extra stiff converging green	70 mm	40 mm	4
L098002864	Black extra stiff converging green	78 mm	40 mm	4
L090140067	Black extra stiff converging green	80 mm	40 mm	4
L090038025	Black stiff converging orange	80 mm	40 mm	3
L090033328	Black stiff converging orange	80 mm	40 mm	4
L090033823	Black stiff straight orange	78 mm	40 mm	4
L090103032	Black stiff straight orange	50 mm	26 mm	1

Osborn Special Brushes

SITUFT® internal brushes with crimped steel or stainless steel Osborn wire, fastened in a wing-shaped form. Wire dia 0.08/0.13/0.20 mm. Brush dia from 6 to 32 mm. Used for deburring, descaling, bore hole cleaning. Also available as set.



SITUFT® brushes

HELITUF® internal brushes with crimped steel or stainless steel Osborn wire, fastened in a spiral construction. Wire dia 0.13/0.20 mm. Brush dia from 6 to 32 mm. Used for deburring, descaling, hole cleaning. Also available as set.



HELITUF® brushes

Tube brushes with abrasive trim material. From dia. 0.7 up to 25.8 mm. For internal cleaning, deburring, descaling and bore hole cleaning.



Tube brushes

Aperture cleaning brushes with crimped wire or nylon for cleaning and deburring. Ideally suited for small pipes and tubes. Brush dia 4 to 30 mm.



Aperture cleaning brushes

Ringlock brushes are available in dia. 32 to 76 mm and with steel wire and plastic bonded steel wire from dia. 0.15 mm up to 0.35 mm, as well as with abrasive trim material from grit 120 to 320. Since the brushes have small diameters, they are useful to clean hard to reach areas, internal surfaces and grooves. The abrasive ones are excellent to work on non-ferrous metal and synthetics.



Ringlock brushes

Endbrushes are specifically used for cleaning hard to reach areas. Diameters vary from 8 to 30 mm, trim materials are of high quality Osborn wire or abrasive filaments in different grit types.



Endbrushes

Non-woven Lipprite® flap wheels and Lipprox® convolute wheels can be supplied in diameters 100 – 500 mm in a full range of SiC and AlOx materials. Lipprite® and Lipprox® can be used on stationary, automatic or robotic machines, in both dry and wet operations. They are recommended for light deburring, satin finishing, cleaning and decorative surfaces.



Non-woven Lipprite® flap wheels and Lipprox® convolute wheels

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