



MultiZack® – Brush System

Modular and versatile, suitable
for countless applications



From start to finish. Osborn has your back.

Osborn offers the best solutions for your mechanical surface treatment challenges.

Our experts are highly trained to serve you with the best off-the-shelf or tailored solutions, when and where you need them.

Unlike others, we help you optimize your process, meet the highest quality and safety requirements and reduce your costs.

Reduce cost,
increase efficiency,
improve results.

Cleaning, polishing, oiling, transporting or sorting. The MultiZack® brush system from Osborn is the solution to a multitude of challenges. Our experts are waiting to provide advice on the optimal configuration for your specific application. Please contact us: service@osborn.de

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Flexible, modular,
simple and fast.
A multitude of
configuration options.



The MultiZack® brush system from Osborn is a modular design system. In a modular system, brush bodies, filler arrangements, filler densities and various filler materials can be selected and may also be combined.

Seven standardised body diameters are available. The bodies are made from polypropylene with high glass fibre content. The bodies are dimensionally stable, acid and alkali-resistant, safe for use in the food industry, they are light and have a very long service life.

Individual brush segments can be pushed onto a shaft one after the other. The segments are then secured at both ends of the shaft by an adjusting ring. For processing widths above 800 mm additional locking screws are used to secure individual segments.

Replacing worn brush segments is very easy and also cost-effective, because the operator can replace the segment themselves keeping machine downtime to a minimum. Additionally, operating stock is also minimised as there is no need for transporting the roller body when recovering with a new bristle arrangement. The brush segments themselves require very little storage space.

Note: Special designs using alternative materials for the brush body such as wood or hardboard can be produced to suit any specific application.

A million uses

The modular design and simple assembly of the MultiZack® makes it suitable for use for an extremely wide range of different tasks. Here are just a few examples:

Cleaning, washing, polishing, deburring, peeling, oiling, moistening and dust removal of:

Moulds, die plates, dies, foils, conveyor belts, sheets, foodstuffs, containers, wood

Transport, guiding, dividing, sorting, dosing of:

Foodstuffs, tablets, glass and small parts



MultiZack® brushes are suitable for cleaning, transporting and polishing fruit or vegetables.

Fill materials

A variety of different fill materials can be used. Most suitable are synthetic monofilaments.

The most commonly used fill materials are nylon (Novofil®) in various versions with and without abrasives as well as natural hair (e.g. horsehair) and pure plant fibres. Depending on the application, wire can also be used as fill material.



Should a customised size for the axle hole diameter be required, the body segment can be fitted with a reducing insert.

Synthetic bristles

in many colours, smooth and crimped

- Nylon (polyamide) PA-6/PA6.6/PA6.10/PA6.12
- Polypropylene PP
- Polyester

Abrasive nylon bristles

with grit size 46-1.000 and the associated thread diameter of 1.5 to 0.25 mm

- Novofil-NHS, NHC, NHA

Wires

- Steel wire
- Stainless steel wire
- Phosphor bronze wire
- Brass wire
- Brass coated steel wire

Plant fibres

- Mexico Fibre / Tampico

Natural hair

- Horsehair
- Goat hair

Fill arrangements

There is a wide selection of fill arrangements to choose from.

The fill materials can also be arranged in an offset pattern.



Fill arranged with fields offset to one another.



Fields of bristles with different coloured fill material, offset to one another.



Fill arranged in a V-shape with a rising spiral from the centre to the left and right.



Full fill



Fill arranged in fields



Spiral fill running to the left



Spiral fill running to the right



Spiral fill running to the right and to the left

Fill density

We can provide three fill densities for each body diameter as standard: Loose, medium density and high density.



loose



medium density



high density

Technical data

Designation	Outer Ø max.	Body Ø	Bore	Teeth	Rows	Fill density
MZ 31 06 81	231	31	20	6	12	loose
MZ 31 08 60	231	31	20	8	16	medium density
MZ 31 10 48	231	31	20	10	20	high density
MZ 45 08 88	245	45	25	8	16	loose
MZ 45 12 59	245	45	25	12	24	medium density
MZ 45 16 44	245	45	25	16	32	high density
MZ 57 10 89	257	57	35	10	20	loose
MZ 57 15 60	257	57	35	15	30	medium density
MZ 57 18 50	257	57	35	18	36	high density
MZ 65 12 85	265	65	40	12	24	loose
MZ 65 17 60	265	65	40	17	34	medium density
MZ 65 20 50	265	65	40	20	40	high density
MZ 86 12 112	286	86	60	12	24	loose
MZ 86 20 67	286	86	60	20	40	medium density
MZ 86 30 45	286	86	60	30	60	high density
MZ 100 14 112	300	100	75	14	28	loose
MZ 100 18 87	300	100	75	18	36	medium density
MZ 100 22 71	300	100	75	22	44	high density
MZ 125 18 110	325	125	100	18	36	loose
MZ 125 24 82	325	125	100	24	48	medium density
MZ 125 28 70	325	125	100	28	56	high density

Request an offer

If you wish to provide us with the parameters for your application, we would be more than happy to send you an offer for a MultiZack® brush

Simply download our request form, fill it in and send it off.

Download request form:

<https://www.osborn.com/downloads/Osborn-Multizack-Form-EN.pdf>

Note: Are you not really sure which configuration is the best choice for your application? No problem. Our application engineers will be happy to advise you.



Benefits overview:

- Simple and fast mounting by the operator
- Easy replacement of individual brush segments if they become worn
- Disposable system – the brush shaft can be reused
- Various brush diameters and working widths available
- Standard spindle hole diameters can be modified by inserting adapters
- Multiple segments can be mounted on a single shaft
- Teeth positively lock the segments to the shaft and the bodies are secured with an adjusting ring
- A variety of different fill materials can be used
- Different fill patterns (also with fields of bristles offset to each other)
- Three different fill densities with full cover
- Space-saving storage and favourable transport costs achieved through delivery of individual segments
- No separate packaging is required
- The MultiZack® body has high shape stability and temperature resistance due to the use of glass fibre reinforced plastic
- Homogeneous and closed fill surface without gaps forming between the individual segments



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