

mafell
creating excellence



Orbital Sander
UVA 115 E

Superior sanding results with the MAFELL UVA 115 E and Abranet®

The ultimate yardstick of an orbital sander's performance is its ability to achieve an excellent, absolutely flat finish on large surfaces without any hollows.

In corners, on edges and wherever access is restricted – but detail and precision are essential – the Delta sanding pad effortlessly ensures perfect results.

Very fine surfaces or high removal rates – in combination with the appropriate Abranet® abrasive mesh, the UVA is extremely versatile.



Sanding paper easy to change. The MAFELL-MAX case accommodates the UVA 115 E upside-down in a fixed position to facilitate changing.

Clean all-round. Side channels in the sanding pad make dust extraction even more effective. This arrangement complements the extraction that takes place underneath the sanding plate.

The mechanical clamp for sanding paper supplied on rolls fixes the paper exactly so that it cannot sag.



No grooves or hollows

Nothing flusters the UVA 115 E.

The concept:

The very best sanders are judged not only by results, but also by the way in which the outcome is achieved.

The criteria we apply to a top-quality sanding system are accordingly high. We seek to combine excellent sanding results with a high removal rate and perfect ergonomics.

In the woodworking industry in particular, the desire to meet these requirements has often entailed the use of several different sanding systems.

Our latest development, the UVA 115 E orbital sander, satisfies all these demands in a single device. As you would expect of an orbital sander, the UVA 115 E produces an exceptionally flat surface without any hollows.

Its high stock removal rate is ensured by Abranet® media, and the sander's ergonomic credentials are underpinned by first-class vibration figures.

With residual vibration of just 1.9 m/s² at the rear handle, the UVA 115 E is in a class of its own.

By adding further innovative details, including the detachable Delta base plate, we have realized our concept of the best sanding system for the woodworking trade: the UVA 115 E.

Electronics

For sanding plastic or painted surfaces, the speed can be electronically adjusted and locked. This option avoids excessive heat and sticking of the sanding paper.

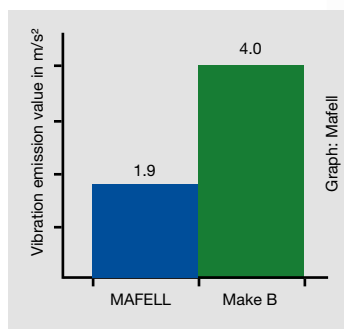
Construction

The armature of the MAFELL motor is new. Together with the new sanding pad mounting, it was designed specifically for the needs of the UVA 115 E. This orbital sander is also very effectively sealed against dust, which contributes to its long service life.

Application range

The MAFELL orbital sander can perform every type of sanding work on a variety of materials, from wood to metal, and make even large surfaces perfectly smooth with very little effort and power input. These qualities are especially important in the internal finishing segment, where wood, wood products and gypsum wallboards often require extensive sanding.

The UVA 115 E is ideally suited to both coarse and fine sanding of hard and soft woods. The sanding tasks that arise when painting, such as sanding between coats, are also easy to execute. Since the sanding plate does not perform any rotary motion, edge work and chamfering also fall within the sander's scope.



Vibration absorbers

effectively isolate the main and auxiliary handles. The emission value measured at the front handle, for example, is 1.9 m/s² – lower than the threshold value of safety standard EN 60745 (2.5 m/s²). As a consequence, compared with other sanders, the UVA 115 E transmits substantially less vibration to the hands and arms.

Handle arrangement

The handles are positioned to achieve an ideal balance for both one and two-handed operation. To facilitate working near edges, the front handle finishes flush with the sanding plate. The handle can be detached if necessary.

Delta sanding pad

The Delta base plate can be attached, as necessary, without any tools. Configuring the machine for Delta sanding does not require removal of the entire sanding pad.



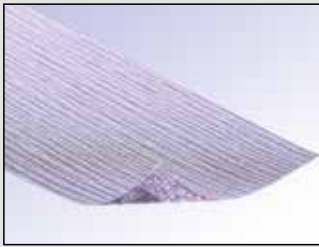
First-class sanding performance

Together with Abranet® sanding media, the UVA 115 E is the perfect machine for a high removal rate, superb fine finishing, and a long service life. It is also very well equipped for sanding large surfaces.



Built-in extraction efficiency

The suction channels in the sides of the sanding pad enhance the effectiveness of the integrated extraction turbine. Also thanks to the Abranet® abrasive mesh, as much as 90% of the generated dust is collected in the filter bag, even without a separate dust extraction system attached to the machine.



Abranet® abrasive mesh

The rear face of the 0.5 mm mesh is textured similar to the velour backing of quick-fit sanding paper. The mesh achieves a high removal rate and is highly compatible with dust extraction solutions. Clogging of the abrasive with dust is reliably prevented, so that material consumption is very low.



Interface pad

The quick-fit UVA-SA interface pad acts as a shield and protects the base plate of the sanding machine against mechanical wear and frictional heat.



Soft grip

Soft grip surfaces prevent the user's hand from slipping. Besides improving safety, they take the fatigue out of working with the UVA 115 E.



Universal filter bags

The UFB-1 is made of an extremely tear-resistant, anti-static PP non-woven material. The filter's high air throughput reduces the residual dust to as little as 3%.



Hose connector

The machine is connected to a dust extraction system by way of a standard 35 mm connector.

10-hole system

The MAFELL orbital sander conforms with the standardized 10-hole quick-fit (grip) system.

Technical data and accessories.



UVA 115 E

Technical data

Sanding disk area	115 x 230 mm
Sanding stroke	2,6 mm
Nominal No. of strokes – no load	2000 – 12000 1/min
Nominal power input	450 W
Extraction connection diameter	35 mm
Weight	2,7 kg
Vibration	< 2,5 m/s ²
Universal motor	230 V/50 Hz

Ref. No.

917401 | Orbital sander UVA 115 E in T-MAX

Delivery scope includes

- 1 Universal filter bag UFB-1
- 1 Sanding pad Delta 105 for quick-fit sanding paper
- 1 Set of Abranet® abrasive mesh strips:
 - 1 x P 60/P 80/P 100/P 120/P 150/P 180/P 240/P 320
 - 1 Sheet of abrasive mesh Abranet® Delta 105, P 120
 - 1 Interface pad UVA-SA 10 (10 x holes), 115 x 230 mm
 - 1 Interface pad UVA-SA Delta 105
- 1 Allen Key 5 mm
- 1 Mains cable 4 m



Interface pad

UVA-SA 10
(10 x perforated)
115 x 230 mm

Ref. No. **093420**



Abranet®* abrasive mesh

Set Delta 105
3 x P 80 / 3 x P 120 / 3 x P 180
Ref. No. **093418**



Interface pad

UVA-SA D Delta 105

Ref. No. **093421**



Universal filter bags

UFB-1
5 bags

Ref. No. **205570**



Abranet®* abrasive mesh

hook and loop, 115 x 230 mm
with interface pad in every pack

HD P 60, 20 Sheets	Ref. No. 093410
P 80, 35 Sheets	Ref. No. 093411
P 100, 40 Sheets	Ref. No. 093412
P 120, 40 Sheets	Ref. No. 093413
P 150, 40 Sheets	Ref. No. 093414
P 180, 40 Sheets	Ref. No. 093415
P 240, 40 Sheets	Ref. No. 093416
P 320, 40 Sheets	Ref. No. 093417

In order to develop a better tool for carpenters, we at MAFELL often take a special approach: We change our point of view and completely reconceive the tool in essential parts. At the same time, we always keep in mind the future requirements of the woodworking trade.

From this way of thinking, paired with an outstanding material and processing quality, amazing solutions emerge again and again. For example, in terms of functionality and ease of use. It is our claim that you no longer have to think about your tools when doing your work. Simply because we at MAFELL have already done so extensively. After all, we have a common goal: the perfect job. Or in brief:

creating excellence

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