

ROBA Profi Disc

Surface sanding machine

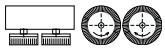
Constructed on modular basis the customer is able to decide between different configurations:



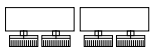
Profi Disc System



Double brush – Profi Disc System



Profi Disc System – Double brush



Profi Disc System – Profi Disc System

As option a cleaning aggregate at machine exit



Special solution: Back side sanding of furniture parts in through feed process

Operation areas

The ROBA Profi Disc principle is used for sanding of flat and profiled surfaces. Constructed for the following operation areas:

- Intermediate lacquer sanding
- White wood sanding
- MDF sanding

Sanding method

Many optional combinations allow the user to configure a ROBA Profi Disc for his specific demands.

The starting point is a double brush working clockwise followed by counterclockwise sanding: Only this procedure guarantees that in every case protruding wood fibers are cut off, regardless of the grain direction of the material, both wood or MDF.

The double brush is followed by a Profi Disc system that sands the workpiece in all details. This is made possible by the 3-axis disc system

which is a special MB design: four rotating 200mm disc tools are mounted on three rotating master discs. Additionally the entire unit oscillates back and forth. All axes movements can be regulated separately. Due to this, the sanding pattern can be visibly influenced. The kinematic is based on the sanding process of an eccentric sander and guarantees a uniform surface.

New is the reinforced disc unit, which can be used for light structuring and calibration work. For this purpose the unit is placed at the inlet of the machine and adapted by the use of special disc tools: Discs with steel wires are used for texturing, being able to perform regardless of the grain direction of the wood. The plane Micron discs are used to sand flat surfaces and create a chaotic sanding pattern that is invisible after the topcoat coverage. Chamfered discs make it easier to sand part edges and V-shaped grooves, since the inclined sanding brushes can reach the milled contours better.

An optional cleaning unit at the machine end includes a specially manufactured cleaning brush, an Ionization Bar and Air Knife.

In the basic configuration the encapsulated

ROBA Profi Disc

Your move to perfection



ROBA PROFI DISC IN ACTION
Simply scan and watch the video!

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machine has a pressure roller hold-down system. For small work pieces the machine can be equipped with a vacuum transport, further with a motoric height adjustment of the aggregates.



Disc tool

Advantages of the ROBA Profi Disc principle

- 1. The sanding method copies the procedure of orbital hand sanding.
- 2. Invisible sanding pattern.
- 3. Workpieces are sanded in all details.
- 4. Tool less change of the discs.
- 5. Various machine configurations possible.
- 6. Abrasive configuration is freely selectable from the MB Flex system .



Conical discs with inclined sanding brushes



Micron Discs used to sand plane surfaces



Texturing Disc

ROBA Profi Disc with two disc aggregates