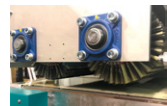




The Profi Disc as optional aggregate at machine inlet or outrun



Double brush as optional aggregate at machine outrun



Conical discs with inclined sanding brushes



Micron Discs used to sand plane surfaces

Operation areas

The patented ROBA Tech principle is used for the sanding of flat and profile surfaced

The rotational brush belt sanding system for optimal processing in the areas of:

- Intermediate lacquer sanding
- White wood sanding
- MDF sanding

Due to its innovative sanding method the ROBA Tech offers for all these areas optimal prerequisites for best surface quality.

Sanding method

The main idea of the ROBA Tech principle is to avoid the main disadvantage of all today known drum-based brush sanding machines: Those who work with sanding drum with a diameter of about 310mm are only in a very small area of 30mm in touch with the work piece. Only in the vertex of the tool circumference a sanding process is possible.

The innovative and patented ROBA Tech is equipped with a totally new developed sanding belt. It is containing 174 sanding strips and provides a sanding area of approx. 1,300 x 1,500mm (52" x 59") in touch with the workpiece and more than 250 meters of sanding material on all aggregates. This is unique on the market of brush sanding machines.

A 360° rotation of the sanding aggregate over the workpiece makes sure that all edges and corners are uniformly sanded.

New is the reinforced disc unit, which now can also be used for light structuring and plane surface sanding. For this purpose it is placed at the inlet of the machine and adapted to the needed task by the use of special disc tools: Discs with steel wires are used for texturing, being able to brush the workpiece regardless of the wood grain direction. The plane Micron Discs are used to sand flat surfaces and create a chaotic sanding pattern that can be easily covered by a topcoat.

Chamfered discs make it easier to sand part edges and V-shaped grooves, allowing the sanding tool a better adaptation to the milled contours.

In order to use Micron or chamfered discs, it makes sense to install the disc unit at the

machine inlet. The subsequent efficient ROBA Tech sanding belt takes over the final fine work. Many by PLC adjustable sanding options help the operator to set the machine to his special sanding requirements.



ROBA Tech brush belt for a perfect surface sanding in all areas



Brush belt with easy to replace sanding strips



ROBA Tech Vertical, integrated into an overhead conveyor system of a door manufacturer

Advantages of the ROBA Tech principle summarized:

1. Large abrasives quantities in touch with the workpiece for optimal results
2. The 360° rotational sanding head with a large sanding area ensures a consistent sanding in all workpiece details
3. Free PLC programmable sanding parameter to optimize results.
4. A perfect vacuum system guarantees secure parts hold down, even of drawers
5. The low sanding speed guarantees long abrasive life span as the sanding brushes do not hit the workpiece edges hard
6. Optional aggregates that use Micron, chamfered discs or a double brush optimize the results
7. Abrasive configuration is freely selectable from the MB Flex system.



ROBA Tech
Your move to perfection



ROBA TECH IN ACTION
Simply scan and watch the video!