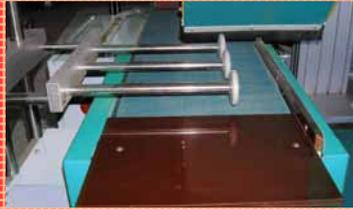


ROBA-Belt

Moulding sanding machine



Transport width
200 und 300 mm with Super
High-Grip-belt



DB
Double brush aggregate can be
swivelled for side processing



Linear guided oscillation and
height setting at the
aggregate tripod

Roba-Belt ... operation areas

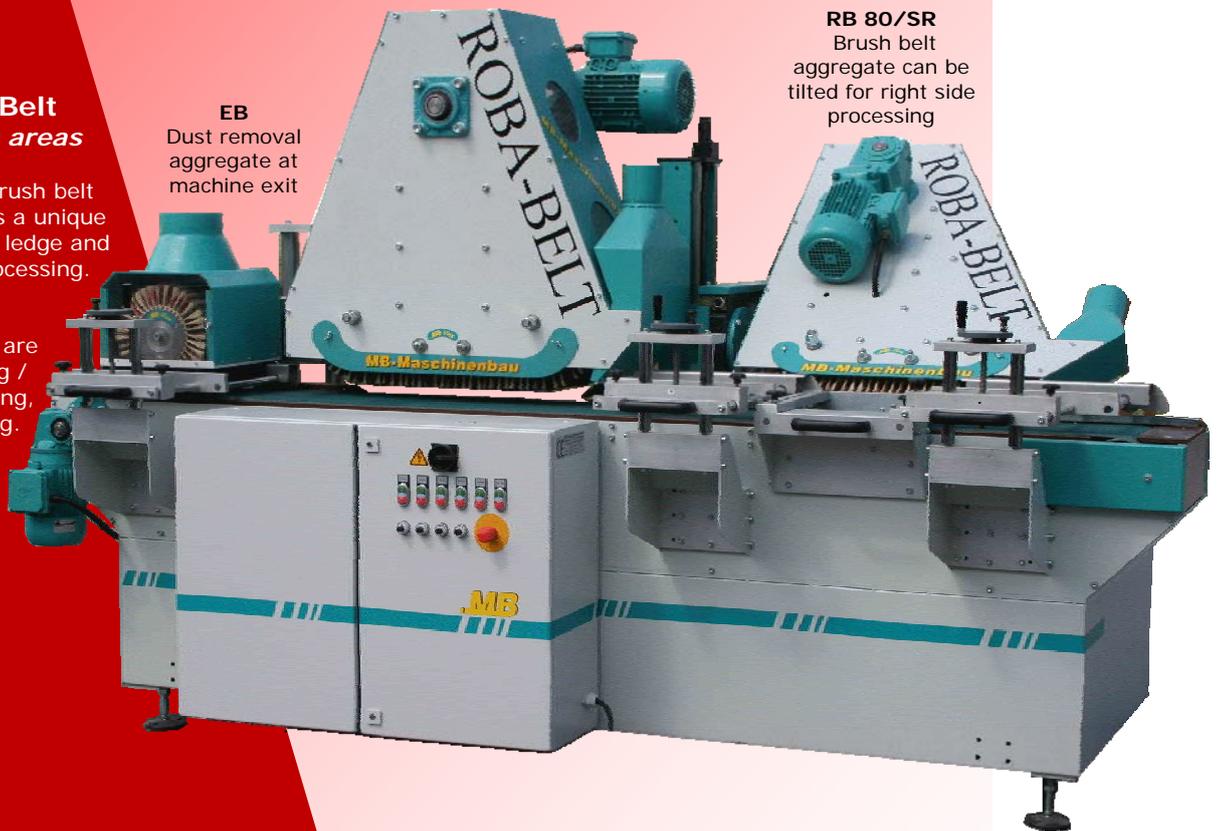
The **Roba-Belt** brush belt sanding system is a unique development of MB for ledge and panel processing.

Operational areas are solid wood sanding / MDF und veneer sanding, as well as sealer sanding.

RB 300
Brush belt aggregate for
top processing with
oscillation

EB
Dust removal
aggregate at
machine exit

RB 80/SR
Brush belt
aggregate can be
tilted for right side
processing



Roba-Belt

„A convincing system!“

Roba-Belt ... sanding method

The main idea of the **Roba-Belt** principle is to avoid the main disadvantage of all today known rotational brush sanding machines: Those who work normally with sanding rolls and a diameter of about 350 mm are only in a very small area in touch with the work piece, about 30 mm. Only in the vertex of the radius of the tool a sanding process is possible. To compensate the very small sanding area normal sanding systems have to increase their rotation speed to a high degree. Only this way they have a chance to get the needed effectiveness. But this results a "hard touch" of the sanding paper which leads to an aggressive behavior on the edges, high temperatures and wavy optic of the material. Hurt edges and totally denibbed surfaces are often the result. The

innovative and patented Roba Belt is equipped with a totally new developed sanding belt containing 138 sanding strips and provides a sanding area of approx. 700 x 300 mm in touch with the work piece and more than 70 meters of sanding material on the aggregates. This is unique in the market of brush sanding machines for profiled mouldings. The **Roba-Belt** machine in all its configurations is build for sanding mouldings found in various furniture, window and joinery companies. Solid, veneered or lacquered. Especially in the flooring industry this machine is often used, due to the very high feed speeds necessary.

Due to the modular construction of the **Roba-Belt** line, the machine can be configured to every customer demand, even for a four sided sanding layout. In the main configuration the **Roba-Belt** achine contains one RB300 sanding head and a pressure roll system. Configured in this way it is a solid basic layout for those customers who wish an optimized price-performance ratio.

Equipped with the MB Flex brush system the machine is very easy and fast maintained and set up for a new profile. Divergently to the known systems based on sanding belts the Roba Belt brush system forgives a not strictly exact setting of the aggregates. Centralized set up for the side guides and the top pressure device makes sure that even not experienced personnel is able to maintain such a machine. In only a couple of minutes a **Roba-Belt** is ready to proceed. Further on this machine type is used for intermediate lacquer sanding. For that often feed speeds up to 100 m/min. are necessary and often required by the customers. The standard working breadth is 300mm, as an option 500 mm is also available.



Customized version with two RB300 aggregates sanding clock- and counter clockwise.
Side aggregates in double brush configuration.

The advantages of the Roba Belt principle summarized

1. Large amounts of sanding paper allow high feed speeds while being highly effective.
2. Pressure rolls feed parts from 1100 mm length safely. Feeding back-to-back of shorter parts is also possible.
3. Centralized set up for the side guides and top pressure system.
4. Very easy maintenance and set up.
5. A "pulling" sanding avoids wavy surfaces and penetrates deeply into the milled grooves.
6. Infinite variable set up of the head rotations and feed speed.
7. High feed speeds are technical possible.
8. Modular construction meets every customer demand without complicating the machine.
9. Abrasive configuration is freely eligible from the **MB-Flex** system.

