

ROBA Belt

Molding sanding machine



RB300 aggregate with motorized height setting and oscillation

Operation areas

The ROBA Belt brush belt sanding system is a unique development of MB for molding and panel processing.

Operational areas are solid wood, MDF, veneer, as well as lacquer sanding.

unique in the market of brush sanding machines for moldings and combines the effectiveness of an endless sanding belt with the easy setting of a brush.

Programmable and motorized aggregate positioning, spring loaded top pressure roller system and centralized side stop set-up result in fast and easy profile changes.



Calibration and finish endless belt sanding aggregate BA300

Sanding method

The ROBA Belt machine is built to sand moldings found in furniture, window and joinery companies. Solid, MDF, veneered or lacquered.

The main idea of the ROBA Belt principle is to avoid the main disadvantage of all today known drum-based brush sanding machines: Those who work with sanding drums touch the workpiece only in a very small area. Only in the vertex of the tool a sanding process is possible what results in poor sanding quality.

The innovative ROBA Belt is equipped with a new developed sanding belt containing 122 brush sanding strips providing a sanding area of approx. 750 x 300 mm in touch with the workpiece. This is

The standard configuration of the ROBA Belt machine line is right-top, but the modular construction allows to customize it exactly to application needs.

This type of machine is very often used for base coat sanding. For this purpose, many customers place it in painting lines, which often require feed speeds of up to 150 m/min.

Fine tuning of the sanding result will be done with the help of the MB Flex brush system that is produced at MB exactly to customer needs.

All ROBA Belt users can rely on the easy set-up of a brush sander, without the need to take any quality disadvantages into account.

ROBA Belt

Your move to perfection



ROBA BELT IN ACTION
Simply scan and watch the video!

ROBA Belt

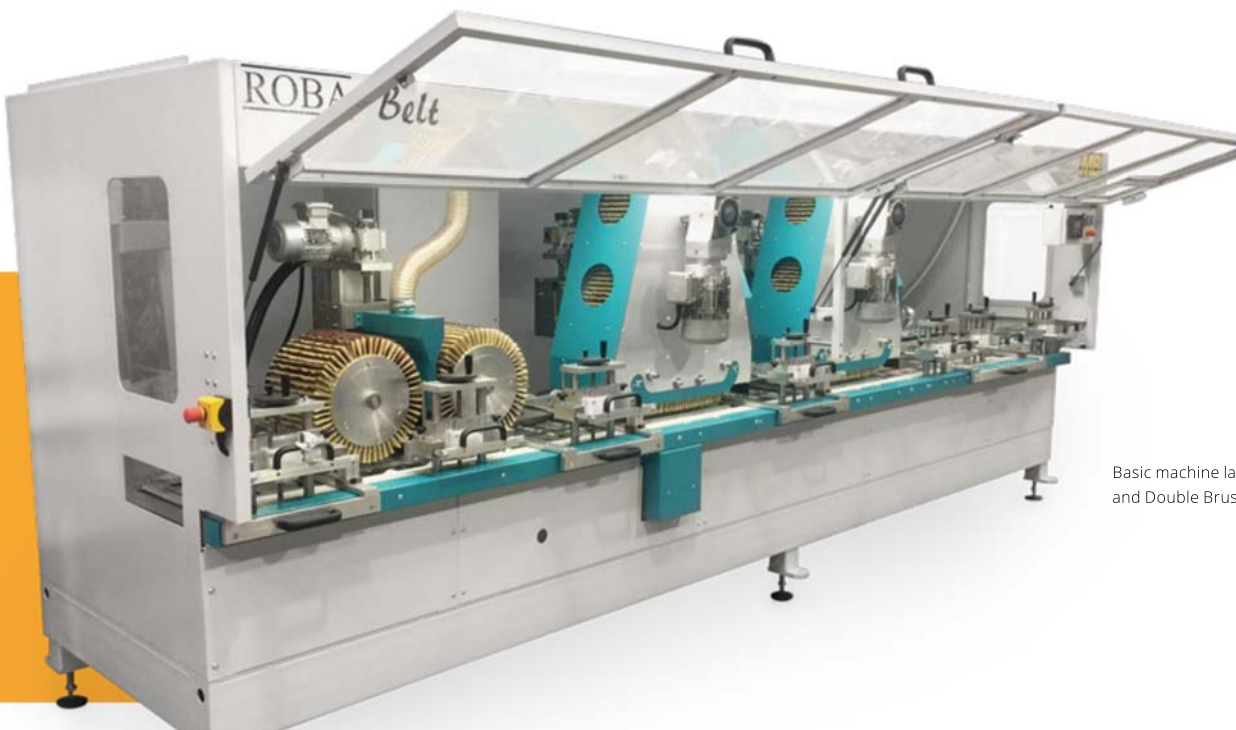
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Advantages of the ROBA Belt principle summarized

1. Large brush quantities and large sanding area are highly effective.
2. Pressure roller feed parts from 1,100 mm length safely. Feeding back-to-back of shorter parts is also possible.
3. Centralized set-up for the side stops and top pressure system.
4. Oscillation of the sanding aggregates for better utilization of the abrasives.
5. Infinite variable set-up of the head rotations and feed speed.
6. High feed speeds are technical possible without compromising sanding quality.
7. Modular construction meets every customer demand without complicating the machine.
8. Abrasive configuration is freely selectable from the MB Flex system.



ROBA Belt configuration to process floor moldings using a BA300 belt sanding aggregate. The PLC activated and motor driven oscillation movement of all aggregates takes into account, beside the sanding belt grit, also the molding width. This ensures that the abrasives are always utilized completely.



Basic machine layout with RB300 and Double Brush aggregate