

TECHNICAL SPECIFICATIONS RO	800 1/T	1300 1/T
Working useful width	880 mm	1300 mm
Working lenght	infinity	infinity
Max height of workpiece	100 mm	100 mm
Brush speeds	380-1200 rpm	380-1200 rpm
Carrousel speeds	3-16 rpm	3-16 rpm
Throughfeed speed of the pieces	2-12 rpm	2-12 rpm
Brush lenght	290 mm	500 mm
Number of QN+QD discs	25/12	42/21
Total number of QN+QD discs	100/48	168/84
Brush motor	2,2 kW	3 kW
Carrousel motor	0,55 kW	0,75 kW
Conveyor motor	0,55 kW	0,75 kW
Basic dimensions	1650 x 1200	2250 x 1715
Height	1850 mm	2050 mm
Net weight	800 Kg	1400 Kg



RO 800-1300

Brushing machine with rotating technology, with a strong steel frame for continuous and industrial use. The size and the advantageous price make it the best selling of the QuickWood range.

For perfect sanding and brushing.



APPLICATIONS

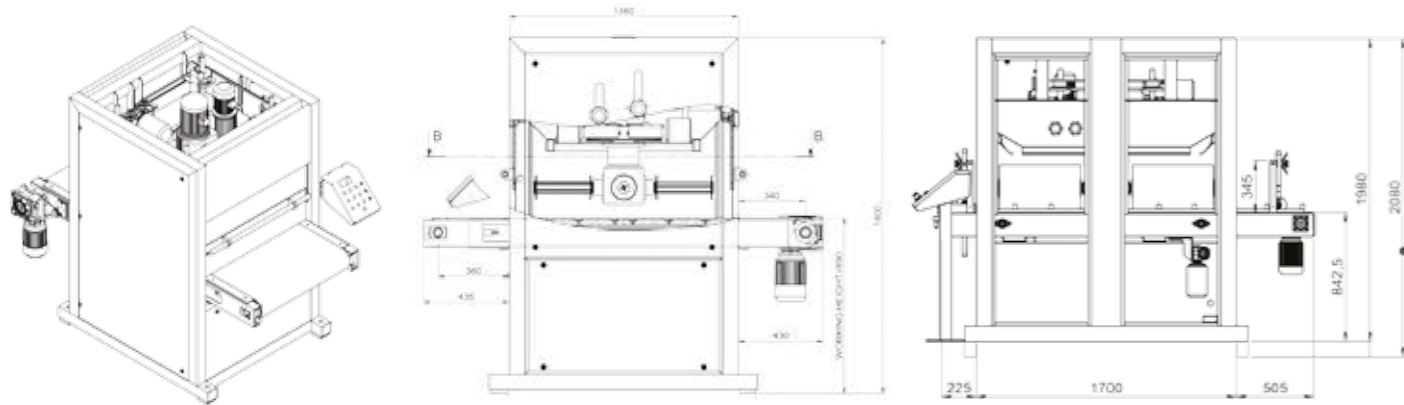
- Wood: Sanding and sealer sanding of kitchen furniture, doors and panels in general
- Metal: deburring After laser cutting, surface glazing

CHARACTERISTICS

- Rotation of the 4 brushes
- Electric rise and fall of the working head
- Speed adjustment: Brushes, carousel, carpet
- RO machines are available with three different parts feeding systems:
 - Standard, with full-width grip faced conveyor or vacuum conveyor
 - Adjustable conveyor belts and side fence electrically adjustable width
 - Vacuum pump housing in the machine body

ADVANTAGES

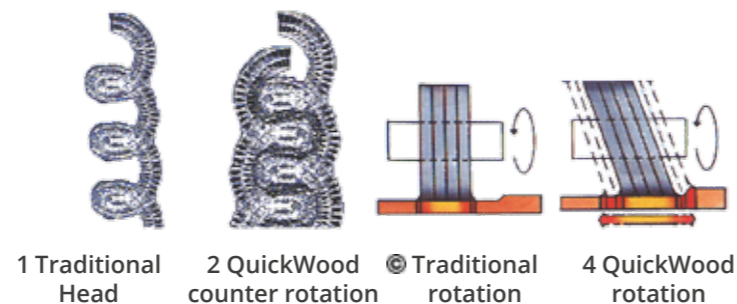
- Eliminates 100% of the sanding fibres
- Reduce sealer sanding considerably
- Smoothing of the corners and good blending effect
- High efficiency due to the 4 left and right rotating sanding shafts



A NEW REVOLUTIONARY TREATMENT OF SURFACES AND SURFACE FINISHING

Surface finishing, Sanding and sealer sanding has been revolutionized by QuickWood, by using specialized tools and machines, equipped with QuickWood's unique brushing and sanding system. Manual sanding is slow and repetitive, QuickWood tools and machines

can improve production by 10 times. The heart of the system is the abrasive, and QuickWood has developed numerous heads, from polishing high gloss, rustic to sealer sanding.



A NEW RANGE OF AUTOMATIC MACHINES FOR SANDING AND SEALER SANDING

QuickWood has manufactured a range of rotating brushing machines with 4 counter rotating brushes RO 800/1 and RO 1300/1 to provide an efficient and 100% symmetrical finishing.

Each edge, profile, or surface will be sanded evenly, which gives QuickWood a large advantage over its competitors.

In photo 1 and 2 computer simulation, you can see the effects of single-headed brushing 1) and rotating heads 2). This is not only due to the rotating head system with 4 counter-clockwise axes, but also to the QUICK Disc-QN brush and disc drive system that gives you extraordinarily revolutionary results. In fact, at each brush stroke, the QUICK Disc-QN will not only touch a few millimeters of the brush contact surface (as much as the depth of the lamella).

Instead the QUICK Disc-QN will move in the first half lap

axially to the right of 60 mm. And in the second half lap of 60 mm. To the left.

This axial movement will be repeated with adjustable speeds up to 1200 rpm.

The free fibers and hairs on the surface will not withstand this constant and persistent abrading from the right and left and will be removed. The QUICK Disc-QN will have the same positive effect when it has to bend the edges. In fact, instead of limiting to passing on the edge according to a straight trajectory, the QUICK Disc will perform an oscillatory motion on the edge in an even pattern.

To achieve this, the range of RO 800 / 1- RO 1300/1 automatic machines is equipped with at least 4 work parameters changeable by the operator according to your choice and according to the requirement of the product.

NEW TECHNOLOGY SIMPLICITY AND EXTREME EFFICIENCY

The structure of RO machines, designed specifically for brushing function, is made of welded, heat-treated, powder coated steel sections.

4-axis brush heads are high-strength dry "Glyson" helical gears to allow heavy brushes such as QN Steel. Large volumetric vacuum pumps are housed in the base of the machine and are relatively silent.

The air in circulation is removed from the pump through the ducts in the machine walls leading upward.

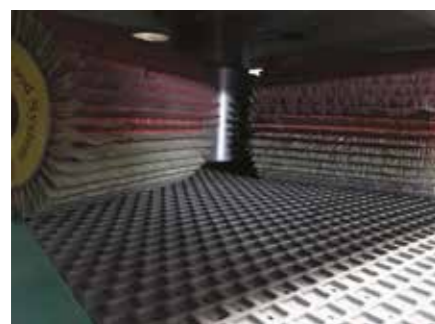
Dust removal is also done through the ducts in the head of the machine, leading upwards where they will then be connected with the hoses to the main extraction pipe.

All RO machines can also be equipped on request with various accessories such as:

- Vertical brushes in the exit or in the entry machine for brushing the long edges;
- Manual adjustment guides;
- Horizontal adjustable brushes and suction hood, fixed or oscillating type;
- electronic gears rather than electromechanical;
- displacement rollers and service rollers;
- "Vactronic", intelligent vacuum system that concentrates the depression only on the pieces as they advance on the carpet conveyor;
- Digital height display with brushes with zero resettable;
- Customized solutions at customer's request.



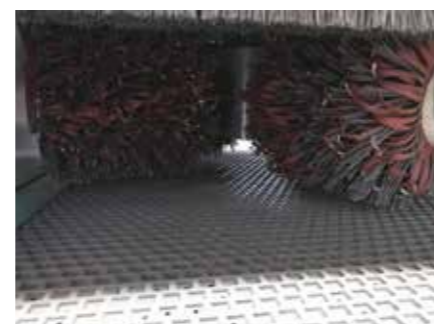
Single-headed RO models deriving from the more RO double-head models that repeat all performance in terms of finish quality but with lower production speeds. They are equipped with the same features: Counter-rotation of the 4 brushes, electric head lifting, vacuum feeding, electrically adjustable narrow belt conveyor or standard belt conveyor, brush, carousel, carpet speed adjustment, equipped with all available accessories for double head RO.



RO carousel with Quick Flex brushes



Control by PLC



RO carousel with QN+QD brushes

