

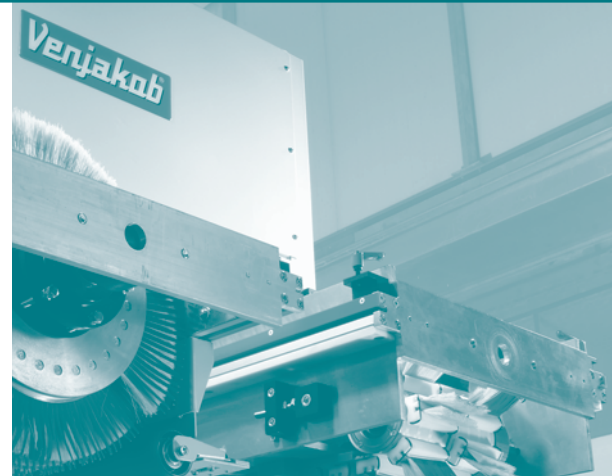


**Venjakob®**

SYSTEMATIC  
BRUSHING | SANDING | SMOOTHING

VEN BRUSH

**Venjakob®**



## PERFECTION FROM THE START

Professional pre-treatment plays a significant role in the quality of the later finished surface result. VEN BRUSH achieves the required surface texture in brushing, sanding, smoothing and wiping of oiled sections, polishing of waxed sections or the targeted texturing of materials. It is only after the optimal machining of surfaces and edges that the correct conditions exist to ensure a convincing surface in the subsequent production process.

The existing market conditions in all industry sectors demand quick response and consequently adaptable production processes. The innovative VEN BRUSH system technology provides this high level of flexibility. The multilayered range of services of the tried and tested technology guarantees the high-quality machining of individual work pieces. The modular design structure makes a simple extension of the plant, if necessary, and the optimal handling of machinery during replacement possible.

## SAFETY

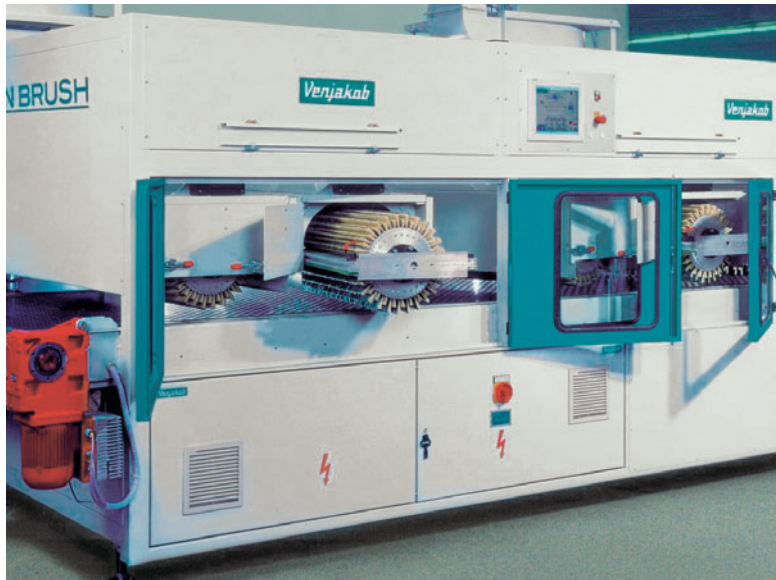


### VACUUM BELT AND HEIGHT ADJUSTMENT:

The powerful vacuum conveyor belt takes care of the safe conveying of items and keeps both small and large work pieces steady. An optional extra is the automatic height adjustment, combined with a light barrier.



**MAINTENANCE:** Complementary to the presented broad range of services, the functional system features of the VEN BRUSH plant technology offer compelling arguments in terms of re-tooling and maintenance. A built-in molleton roller ensures permanent cleaning of the belts.



■ The quick-change brush unit by means of slide-in system and coupling ensures short setup time.



**PRODUCTION PROCESS:** The powerful system technology can be operated easily and directly via an operating or touch panel. The layout of the controls is coordinated with client-specific user comfort requirements and the respective plant concept.

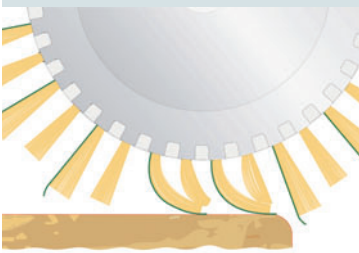
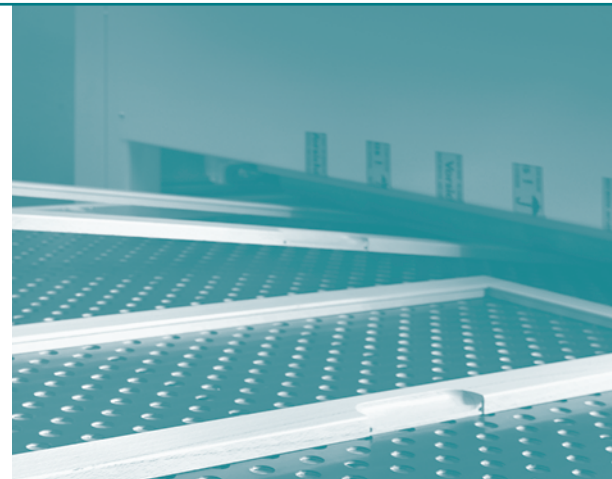


**PRODUCTION LINE:** VEN BRUSH is the answer, as single solution, as component of a Venjakob production line or integrated into an existing production line. The layout of the controls takes all interfaces right through to higher-level operation and monitoring into account.

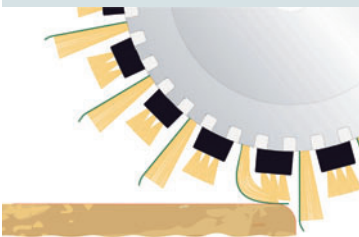
CONTROL SYSTEM



Venjakob®



Round brushes with narrow support brushes



Round brushes with broad support brushes

### MODULAR DESIGN OFFERS HIGH FLEXIBILITY

The planning and conception of the plant layout are based on client-specific production requirements. Large round brush units with narrow or broad support brushes, cross-brush units or special texture and disc brush units are available for individual equipping. VEN BRUSH always provides the perfect solution with up to five unit positions. The absolutely even finishing during brushing or smoothing of surfaces and edges is impressive.

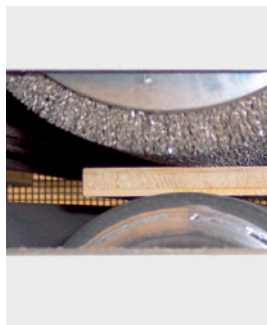
The VEN BRUSH system technology is based on high pressure at low speed. Special support brushes with broad or narrow brushes in the finishing of profiled work pieces provide the necessary pressure. The motorised height adjustment of each individual unit and the infinitely variable rotational speed adjustment ensure the highest level of perfection and flexibility in the pre-treatment of work pieces with deviating shapes or strongly varying component sizes.

#### CROSS-BRUSH UNIT

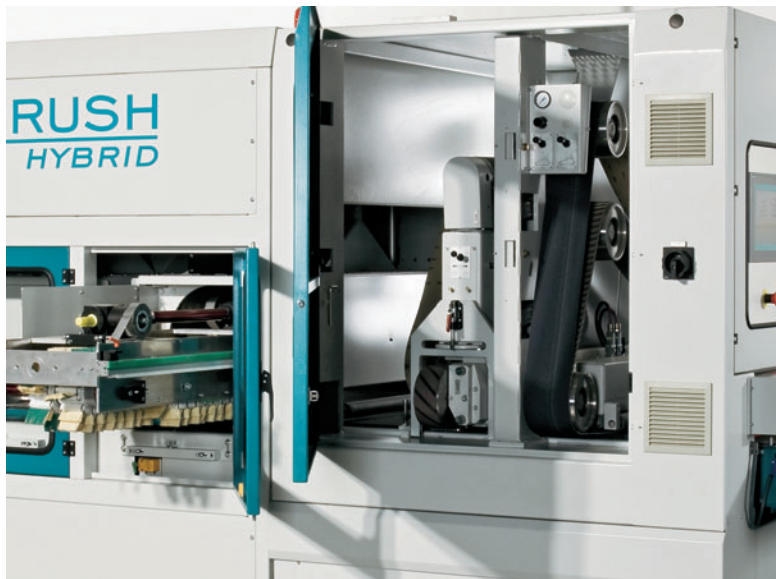


**FLEXIBLE:** The quick replacement of a cross-brush unit by a round brush unit in a matter of only a few minutes brings a high level of operating comfort. The optional infinitely variable tilt of the round brushes guarantees perfect edge finishing.

#### TEXTURE BRUSH UNIT



**EFFECTIVE:** The use of these units offers possibilities for very special surface finishing. The special texture brush applies texture to furniture sections, hard and soft woods, flooring or antique look up to a depth of 1 mm and a pass of 10 m/min.



■ VEN BRUSH *HYBRID* achieves surface results through additional longitudinal belt sanding and cross belt sanding units.



**CROSS-SANDING UNIT:** The cross belt with sanding pads optimises the surface quality. The subsequent fine sanding with the broad belt is done by the sanding with the short fibres. Even the final polishing of painted surfaces is possible with these smooth and consistent results.



**LONGITUDINAL SANDING UNIT:** The even sanding pressure on edges and flat surfaces is achieved by the use of pressure pads securely fixed to the sanding elements. To avoid oscillating marks during sanding a cross-running pressure segment belt can be used.

**VEN BRUSH**  
*HYBRID*

**Venjakob®**

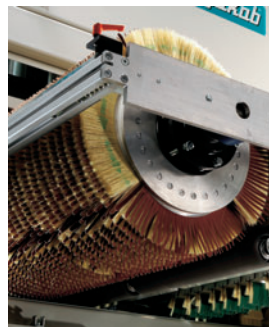


### INDIVIDUALITY CHARACTERISES SYSTEM SOLUTION

The unit variety provides for a broad range of services. A high level of effectiveness complements its flexibility. As a single unit in a Venjakob production line or as added plant components in an existing production line, the standard is set by VEN BRUSH system technology. We are committed to take special requirements into account or to produce industrial applications such as the brushing or sanding of mouldings (borders) or dust extraction.

With much attention to quality and detail we design and produce individual plant solutions. Our responsibility for the high level of technological accessibility stretches beyond client satisfaction after successful installation, initial operation and training of all employees. As a competent contact person, we guide in-situ extensions or modifications. To be a powerful partner for all our customers worldwide drives our daily activities.

#### PROFILE SANDING

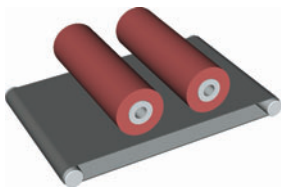


**ROUND BRUSH UNIT:** The production process has always placed special demands on the brushing and smoothing of profiles. VEN BRUSH ensures the safe conveying of narrow work pieces/profiles and executes extreme edge finishing with impressive quality.

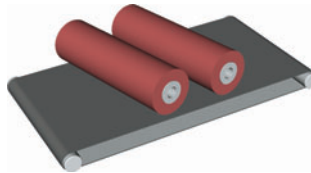


**DISC BRUSH UNIT:** Disc brush units are especially suited for the finishing of longitudinal profiles. They offer the optimal possibility to reduce the height difference of the wood structure. This results in a homogeneous painted surface.

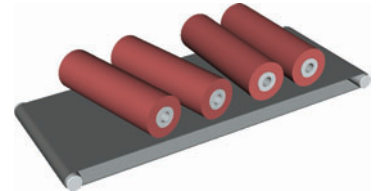
System examples for potential working widths of 600-3500 mm and working lengths of 2000-5500 mm.



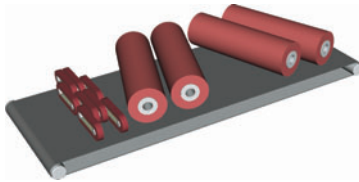
Standard equipment  
Machine with 2 unit spaces  
Equipped with  
2 round brushes (straight adjustment)



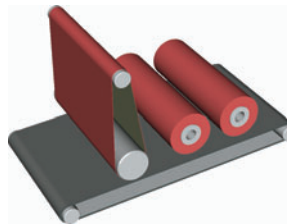
Optional  
Machine with 2 unit spaces  
Equipped with  
2 round brushes (angular adjustment)



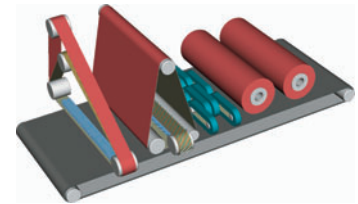
Independent  
Machine with 4 unit spaces  
Equipped with  
4 round brushes (2 straight and 2 angular)



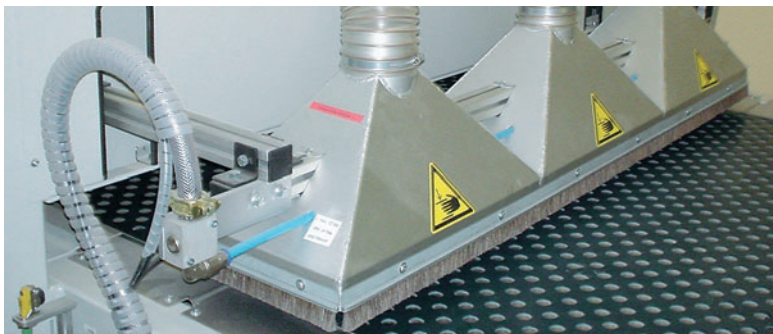
Independent  
Machine with 5 unit spaces  
Equipped with  
1 cross brush and 4 round brushes  
(4 angular)



Independent  
Machine with 3 unit spaces  
Equipped with  
1 belt-sanding unit, 2 round brushes  
(straight adjustment)



Independent  
Machine with 5 unit spaces  
Equipped with  
2 belt-sanding units (crosswise + lengthwise)  
1 cross brush, 2 round brushes (straight)



## DUST EXTRACTION

**THOROUGH:** If needed, VEN BRUSH can be extended by the addition of a combined dust extraction unit with rotating blow nozzles and ionisation. For high quality demands, this added function ensures the optimal cleanliness of work pieces after brushing and sanding.

# Venjakob®



## SURFACE COMPETENCE WITH KNOW-HOW

As an internationally renowned system manufacturer Venjakob has been designing innovative surface coating machines for more than 40 years. Individual machine line solutions, optimisation of production processes as well as development of innovative system technologies are devised and realised on the basis of many years of experience and the profound expert knowledge of our employees. Our daily work is characterised by individuality, close dialog with our partners in the various lines of industry and a concept-referenced way of thinking and acting.



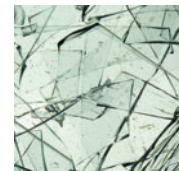
Wood



Plastic



Metal



Glass

**VEN BRUSH**  
BRUSHING | SANDING

**VEN CLEAN**  
CLEANING

**VEN MOVE**  
HANDLING

**VEN TRANS**  
CONVEYOR TECHNIQUE

**VEN SPRAY**  
COATING

**VEN DRY**  
DRYING

**VEN CLEAN AIR**  
EXHAUST AIR PURIFICATION

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