



Perfect Edge Finishing of Structured Surfaces



**UTILITY MODELS
PATENT PROTECTED**

Spraying systems and chemical products **made in Germany**

The Market

Structured surfaces are growing in popularity

In recent years, the trend towards more deeply structured, coated particle board has continued. This embossing up to a depth of 1 mm creates a very attractive effect with a natural look and feel.

With these high-quality surfaces, it is also important to perfectly finish the edge. Some challenges therefore have to be overcome in automated, industrial processing:

The Challenge

Tools:

Profile cutters, trimming cutters and scrapers cannot precisely follow the contour of a surface within the structure. A rough, unacceptable finish of the edge is the result.

Glue residue:

Remaining adhesive residue and protrusions of the edge banding significantly limit the possibility of cleaning the furniture board.

Result:

The overall appearance is inadequate as a whole.



The Solution



(1) Structuring brush unit (2) Horizontal brush unit

RIEPE® structure processing

A perfect edge finish can be achieved with minimal effort through the use of the new structuring brush unit in conjunction with special structuring and polishing brushes. Abrasive bristles follow the contour of the structure of the workpiece surface and remove the protruding edges and glue residue. The result: The edge now corresponds to the structure of the workpiece surface at every point.

Technical Structure

Structuring brush unit

By using an abrasive special brush after profile milling, the remaining protruding edges are removed precisely in such a way that the edge corresponds to the structure contour.

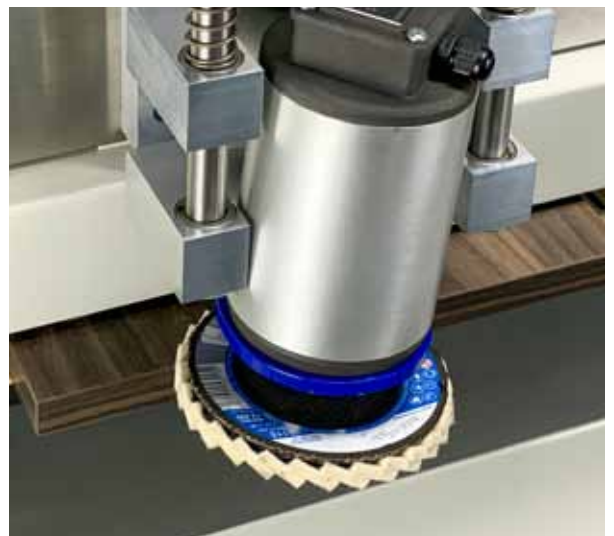
The edge banding now ends flush with the surface of the furniture boards at every point along the workpiece.



Horizontal brush unit

In the further course of processing, the edge banding surface is levelled with a horizontal polishing brush.

The brush works against the grain direction of the furniture board and is inclined vertically towards the edge banding. Optimal contact pressure is always achieved thanks to the spring-loaded mounting.

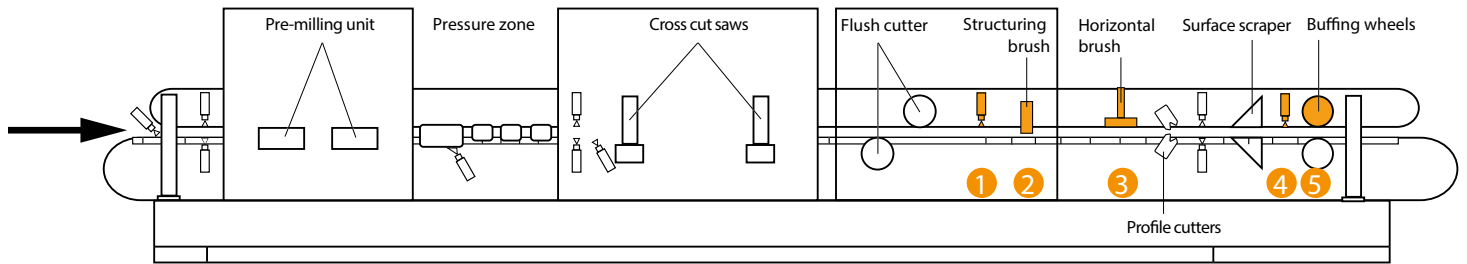


Electronics

A frequency converter is a part of the complete system and serves to set the optimum rotational speed depending on the application.



Technology in Detail



Component	Position	Description
1	Cleaning agent spraying system LP163/93 After the profile cutters Before the structuring brush	Prevents the structuring brush from becoming clogged with glue residue
2	Structuring brush unit After the profile cutters	Aligned at a right angle to the workpiece Revolution approx. 6,000 min ⁻¹
3	Horizontal brush unit Before the profile scraper	Inclined vertically towards the edge banding Revolution approx. 1,400 min ⁻¹ against the running direction
4	Cleaning agent spraying system LP163/93 Before the sisal finned brush unit	Prevents the sisal finned brush from becoming clogged with glue residue
5	Sisal finned brush unit	Creates a final, perfect finish

Why RIEPE®?

Why should you choose RIEPE® products?

RIEPE® has perfected edge finishing in finish quality through many years of research and development.

Release agents, antistatic coolants and cleaning agents are specially developed for the RIEPE® spraying systems and the specific application.

Our products are made of high-quality raw materials and undergo in-house quality control.

RIEPE® products are available in more than 80 countries and are distributed through a large network of dealers. Thanks to our professional service team, we react flexibly and reliably to international markets and can fulfil individual customer requests.

We always adapt our products to the latest requirements of the market in very close collaboration with the leading machine, edge banding and adhesive manufacturers. Continuous progress and innovative ideas are the result of this exchange of knowledge.

With the original RIEPE® products, your production will cost-effectively rise to a new elevated state of the art in manufacturing.

In particular, the use of the spraying systems in conjunction with the special RIEPE® release, antistatic cooling and cleaning agents ensures effective and maintenance-free work processes.

We are happy to advise and assist you when it comes to achieving finish quality.

We offer you not only the right products, but also technical know-how.

Our customers worldwide place their trust in us and our products.

You too can decide to use original RIEPE® products in your production!



Leading machine manufacturers recommend and work with **original RIEPE® products!**



Made in Germany

For more than 35 years, the company RIEPE[®] in Bünde has been developing and producing electronically-controlled spraying systems and the associated chemical products for the wood processing industry.

Furthermore, the product range includes various buffing discs and lamellar wheels, wax feeding units and other useful products for your production.

From the beginning, we have focused on quality products made of high-quality raw materials and on professional service. Many years of research and development have produced intelligent and patented solutions for various edge finishing processes.

We therefore supply our products to the leading manufacturers of wood processing machines, among others.

Customer-focused and personalised advice are two other important factors that have made us a global market leader.

You too can benefit from our experience and our know-how in the area of edge finishing and finish quality.



**Original RIEPE® products
are available worldwide**



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