

# Electronically Controlled Spraying Systems for quality edge processing



Spraying units  
and chemical products  
for the woodworking industry



**stiles**

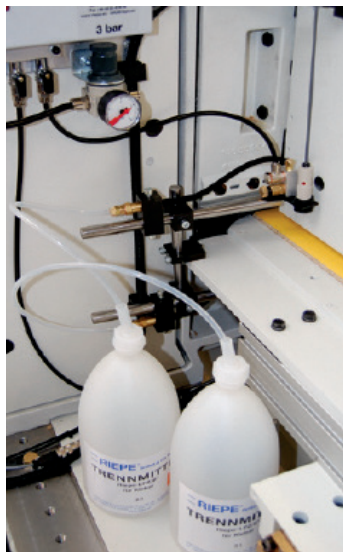
# Electronically controlled release and cleaning agent units

Avoid undesired glue residue on the top and bottom surfaces of edgebanded workpieces

Glue residue squeezed out after the application of plastic or veneer edging material spoils the appearance of edgebanded products. This glue residue quickly adheres to the workpiece and its removal requires time-consuming manual work. The attachment of RIEPE® release and cleaning agent spraying units guarantees an edge which is absolutely free of glue.

## Overview of Release Agent Spraying Systems

An electronically controlled release agent spraying unit applies an ultra-fine coat of LPZ/II® to the top and bottom edge surface prior to edgebanding. This prevents squeezed out glue residue from adhering.



Release Agents

The electronically-controlled release agent spraying unit only requires a three bar compressed air connection and a 230V or 24V power connection. The fine nozzles are not sensitive to dust and can therefore be fitted directly in front of the tooling. For postforming or softforming machines, the high heat resistant release agent TH97® may be used. This special release agent can pass through hot zones easily without losing its effectiveness.

## Appropriate Release Agents

### Release Agent LPZ/II®

Area of application: machine infeed  
Container: 30 liter, 200 liter, 1000 liter  
Color: transparent

### Release Agent TH97® -highly heat resistant

Area of application: machine infeed  
Example: postforming, softforming, hot zones  
Container: 30 liter, 200 liter, 1000 liter  
Color: transparent

## Electronically controlled release agent roller application

For special requirements, such as machines without formatting, the roller application unit operates upstream of the edge infeed on the machine. The release agent application roller is misted through a fine nozzle with a special RIEPE® release agent. The roller applies the release agent precisely to the workpiece edge.

As a result, the release agent does not come into contact with the unfinished edge to hinder the bonding process.



Roller Application Unit

## Incorporating a cleaning agent

The spraying unit is used to spray the cleaning agent LP163/93® on the top and bottom surface of the board edge, as well as the edgeband. The cleaning agent and subsequent buffing serve to remove loose glue residue and the liquid cools the glue joint from the heat generated during buffing. A cleaner joint results since there is no smearing of glue.

The edgebanding radius is then wet buffed with the special cleaning agent LP1634/93® which reduces heating of the thermoplastic material and prevents the plastic from smearing. The radius is polished to match the surface sheen, and glue residue no longer adheres to the buffing wheels. You have an absolutely clean board edge!

Consumption per fine nozzle: under 1 liter for 5000 running meters. The electronically controlled cleaning agent spraying unit requires a compressed air connection of 3 bar and a 230V or 24V power connection.

## Appropriate Cleaning Agent

### Cleaning Agent LP163/93®

Area of application: before buffing wheels  
Container: 30 liter, 200 liter, 1000 liter  
Color: red

## Positioning of the Spraying Units on an Edgebanding Machine

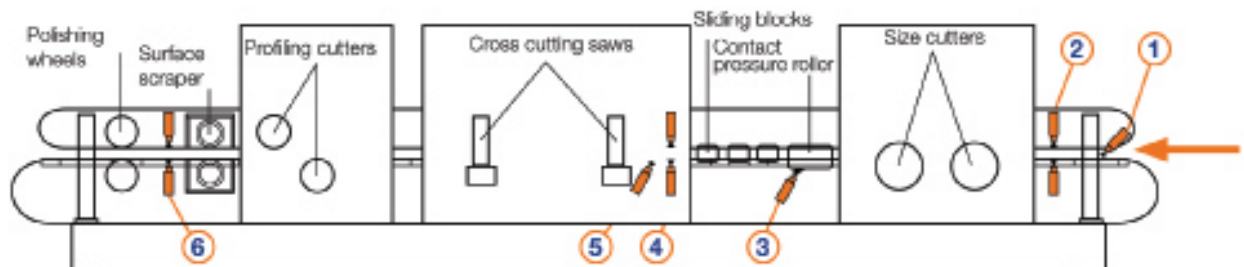


Diagram depicts the different positions for the individual RIEPE® spraying units which are all electronically controlled.

- ① Release agent spraying unit for leading and trailing edge. (Edging of corners).
- ② Release agent spraying unit.
- ③ Spraying unit for pressure rollers and anti-friction shoes.
- ④ Anti-static coolant spraying unit.
- ⑤ Spraying unit for edgeband acrylic/aluminium and protective film.
- ⑥ Cleaning agent spraying unit.

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