Plywood Lay-up Line R3

ECONOMICAL AND AFFORDABLE LAY-UP LINE WITH A CLEVER DESIGN

PLYWOOD LAY-UP LINE R3 – COST EFFICIENT SOLUTION FOR ALL YOUR NEEDS

Raute Plywood Lay-up Line R3 is a lay-up line with a low installed power need. The one-sided liquid extruder gluing method (LEG) is gentle and does not break thinner sheets. It enables paired ply numbers giving you the possibility to use thicker sheets inside the plywood structure, reducing the need for gluing and thus bringing savings in glue consumption.

Both manual and automatic feeding options are available depending on your requirement. Proper sheet alignment is handled by operators.

Raute is the largest manufacturer of one-sided gluing lay-up lines with the largest installed base – utilize our expertise also for designing a tailored lay-up line for your specific needs!

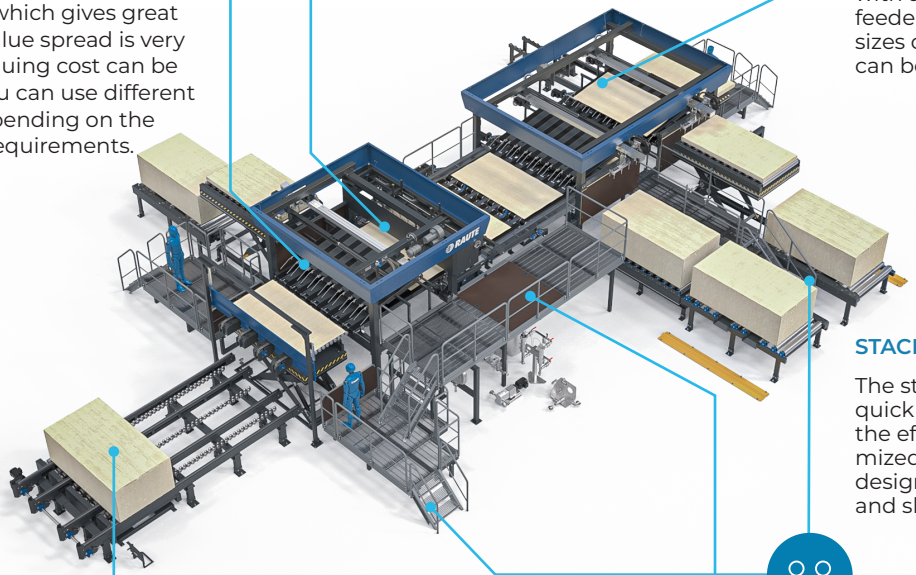
LIQUID EXTRUDER GLUING METHOD

Glue spread is by extruder gluing that does not touch the veneers at all which gives great benefits. The glue spread is very even so that gluing cost can be minimized. You can use different glue types depending on the end product requirements.

CAPACITY UP TO 7600 SHEETS/8H

AUTOMATIC OR MANUAL VENEER FEEDING

Layup line can be equipped with automatic veneer feeders for different veneer sizes or the veneer feeding can be handled by operator.



STACK HANDLING

The stack handling is quick and easy so that the efficiency is maximized. Stack handling is designed for both long and short veneers.

AUTOMATIC VENEER FEEDERS. LINE RUN BY 2-3 OPERATORS.

SEMI-AUTOMATIC LAY-UP STATION

EQUIPPED WITH ONE SIDE GLUING

R3 -Series plywood lay-up line is always equipped with one side gluing which is the most efficient and profitable gluing method for plywood manufacturing.

CLEVER CONTROLS

Raute plywood lay-up lines are equipped with clever controls that maximizes the products quality and production efficiency. Veneer feeding control is automatic based on recipes so the operator does not need to count the veneer order in the panel.

EASY MAINTENANCE

The maintenance is very easy. The gluing system has build in washing system so that operator does not need to wash it manually.

- 7500 — CAPACITY UP TO 7500 VENEER SHEETS PER 8H WORK SHIFT
- -20% — SAVE UP TO 20% IN GLUE CONSUMPTION
- \+ — PAIRED PLY NUMBERS THAT SUIT YOUR END-PRODUCT NEEDS
- LOW INSTALLED POWER NEED

ONE SIDE GLUING BENEFITS

- The veneer thickness does not have an effect to the glue spread – you can freely select the veneer thickness
- The veneer grain direction does not have an effect to the glue spread – you can freely select the grain direction for each ply number
- You can make long face grain and short face grain panels with the same layup line if you want
- The veneer thickness variation does not have an effect to the glue spread – the glue spread is the same even if there is thickness variation in the veneers
- The veneer roughness does not have an effect to the glue spread – the glue spread is the same even if there is roughness in the veneers
- The glue line is always on the top side of the veneer so you can very easily and accurately visually make sure that the glue spread is good
- You can use phenolic (boil proof) and urea formaldehyde (interior panels) resins
- Does not touch ▸ break veneers

LINE DESIGN BENEFITS

- Ergonomic is good because the veneers are
moved by conveyors
- You can select automatic veneer feeding for
each veneer if you want
- The capacity can be easily adjusted to different needs
- The line can be designed for different veneer sizes
- You can make thin and thick panel without any problems or additional adjustments
- The line has very intuitive and informal HMI so it is easy to learn and gives you visual information about the line operation
- Veneer feeding control is automatic based on recipes so the operator does not need to count the veneer order in the panel
- The maintenance need is minimum, even the gluing system can washed without manual work