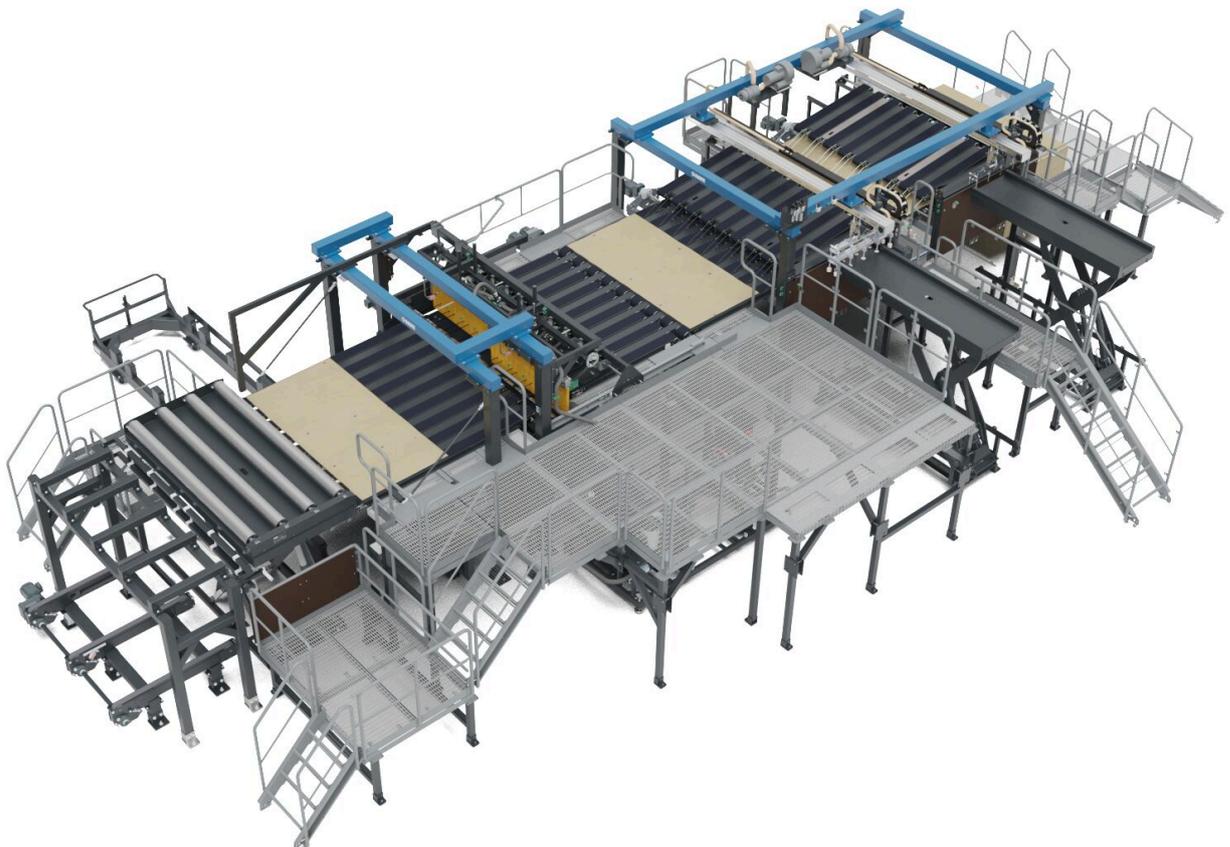


Plywood Lay-up Line R3

**ECONOMICAL AND AFFORDABLE
LAY-UP LINE WITH A CLEVER
DESIGN**



Plywood Lay-up Line R3 - cost-efficient 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) decreases glue consumption up to 20% compared to traditional roller gluing. It is also gentle and does not break thinner sheets.

Paired ply numbers give you the possibility to use thicker sheets inside the plywood structure, reducing the need for gluing and thus bringing savings in glue consumption. The line enables making both uneven and even ply panel constructions.

The line utilizes automatic feeding and proper sheet alignment is handled by operators. The line runs typically with three operators and is easy to maintain.

Raute has delivered the most one-sided gluing lay-up lines in the world for over 20 years - utilize our expertise also for designing a tailored lay-up line for your specific needs!



Key benefits

7200

CAPACITY UP TO 7 200
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



References



CHINA

Guangxi Guoxu Spring Woodbased Panel Co., Ltd.

Raute has delivered modern, high technology veneer production lines with high-quality analyzers to Guoxu Spring Woodbased Panel Co., Ltd in South China.



[Read more](#)

Images and videos

BENEFITS OF ONE-SIDED GLUING

-25% One-sided gluing saves up to 25% in glue consumption compared to traditional roller gluing.

CURTAIN COATING (CC) LIQUID EXTRUDED COATING (LEC)

IMPROVED OVERALL QUALITY
No mechanical contact with glue application, increasing the life of the blade, especially with high solids content. Reduces manual solvent handling. Easy speed control. Veneer thickness variation and wood grain cut for some gluing systems, reducing the risk of panel delamination.

The machines are automatically washed regularly for a better work environment and lower maintenance needs. The reduction in chemical use makes the process and end product more environmentally and cost-effective.

RAUTE VIDEO

R3 SERIES NEW KID ON THE BLOCK

[Link to video content](#)

RAUTE VIDEO

PLYWOOD LAY-UP LINE R3

[Link to video content](#)

RAUTE VIDEO

COST-EFFICIENT FOR ALL YOUR NEEDS

[Link to video content](#)

Downloadable material



WHAT IS R3 SERIES ALL ABOUT?
THE RAUTE R3 SERIES IS ALL ABOUT EASYNSS WITH HIGHEST QUALITY.

Say hello to the new kids on the block – The Raute R3 Series. The R3 Series' machines and lines are most suitable for you when you are starting the industrial veneer production, or you have basic production requirements. And what's more, they all are compact-sized needing only a little floor space.

The lighter-and R3s are of utmost high-quality, destined to have the job done. The lines are plug-and-play, so the commissioning takes only a short time. We deliver the machines with affordable investment price and quick, order-oriented, delivery time.

The R3 lines are the premium Raute-quality machines to have the job done. The beginning has never been easier until now. We made it easy for you.

These R3-series lines are the first of many to come. We are constantly developing new machinery and solutions for our customers' changing needs. We are going to introduce new lines and machines to the R3 series continually.



[Download PDF](#)

Technical specifications

Operators on the Line	3
Gluing Method	Liquid Extruder
Hybrid Veneer feeding	<input checked="" type="checkbox"/>
Plywood sizes	4x8, 5x5
Capacity up to (sheets/8h)	7200

Plywood lay-up

Plywood lay-up with optimized glue consumption

In lay-up, face veneers, long core veneers and cross core veneers are combined into plywood, and fed to the lay-up table in the correct order for each cross-ply construction. Glue is spread evenly between every layer to make the sheets stay together.

With 50 deliveries of plywood lay-up lines, Raute is the number one provider of one-sided gluing solutions in the world. Raute Plywood Lay-up solutions bring up to 25% savings in glue consumption compared to traditional roller gluing. The machines are automatically washed regularly for a better work environment and lower maintenance need, and the wash water is re-used in mixing glue. The reduction in chemical use makes the process and end-product more environmentally and end-user friendly.

The right fit for your needs depends on your capacity expectations and desired number of operators. Fast changing of glue spreading systems from Liquid Extruder Gluing (LEG) to Curtain Coating (CC) brings flexibility to your production, making the use of different glue mixtures possible. Even gluing quality brings savings in hot pressing through less waste.

Start your production or add capacity easily with our R3-Series. When you want a proven, widely-known workhorse of the industry, the R5-Series is your solution. Put automation and machine vision in full use with our flexible R7-Series and master your productivity with high speed and maximum capacity.



raute.com

Making Wood Matter