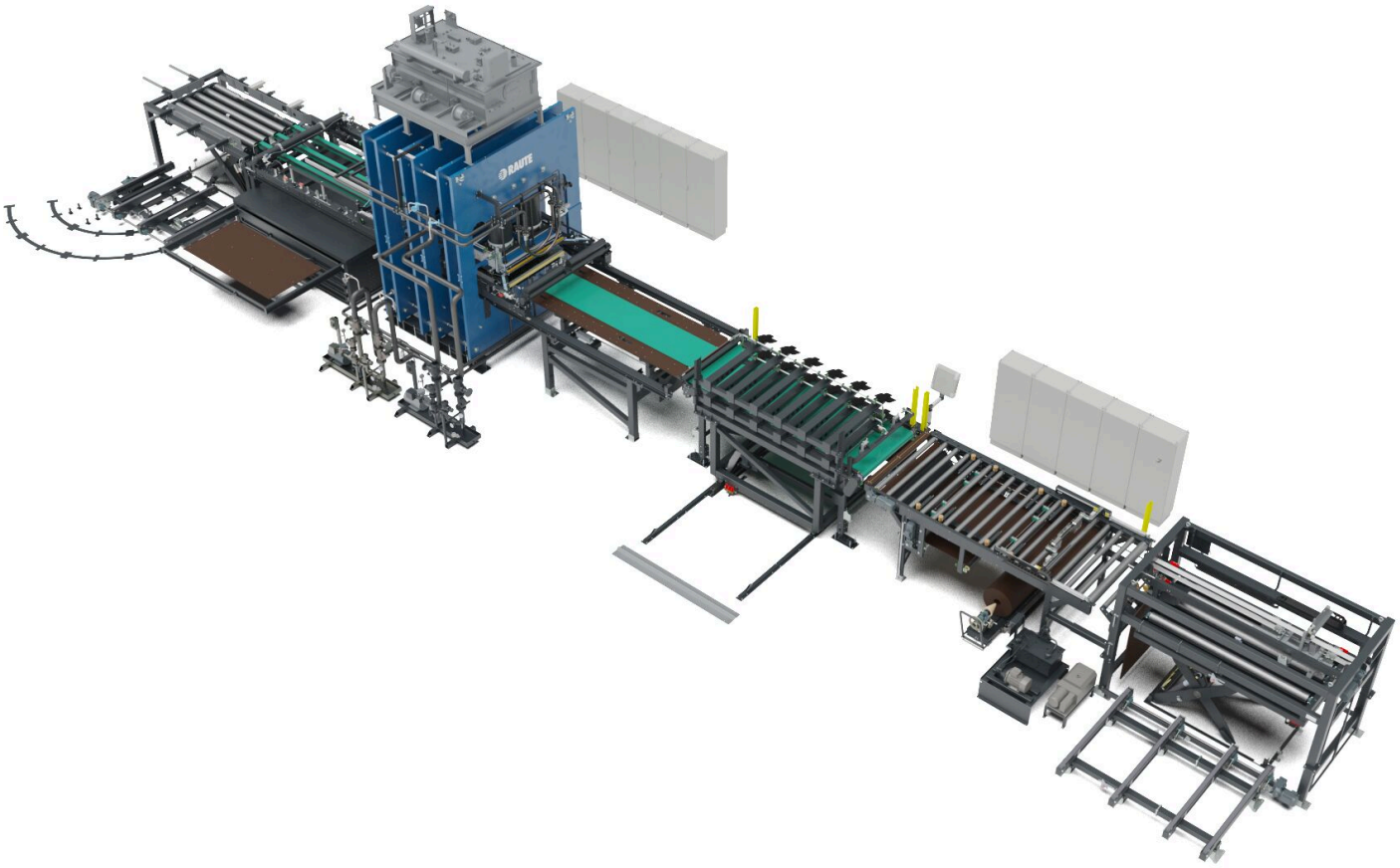
Short Cycle Panel Overlaying Line R5

COST-EFFICIENT PLYWOOD OVERLAYING FOR VARIED PANEL SURFACES



Short Cycle Panel Overlaying Line R5 - cost-efficiency for versatile end-product needs

When you are looking for an efficient plywood overlaying line for versatile production needs, Raute Short Cycle Panel Overlaying Line R5 is your solution. Its modern features boost coating capacity, while the fully automatic control of the overlaying press ensures the best possible end-product quality.

The short cycle R5 line has a medium capacity film overlaying unit with up to 2 carriages for film rolls. Depending on the desired number of operators, you can select between manual or automatic panel feeding to the overlaying unit, where the film is manually overlaid on the panel.

The panels are automatically charged to the press. The press open time is minimized to ensure a smooth and even panel surface. You can also use the charger for caul plate changing, making it more efficient to create various surface patterns in overlaying.

Automatic discharging from the overlaying press and automatic stacking and base plate handling solutions further boost your operational efficiency.

When you want to increase capacity and minimize trim waste, you can upgrade the line into a fully automated Raute Short Cycle Panel Overlaying Line R7. If your capacity requirements decrease, the R5 short cycle line is also suitable for producing plywood. Connect your line to MillSIGHTS to help keep track of usage rates and capacities.

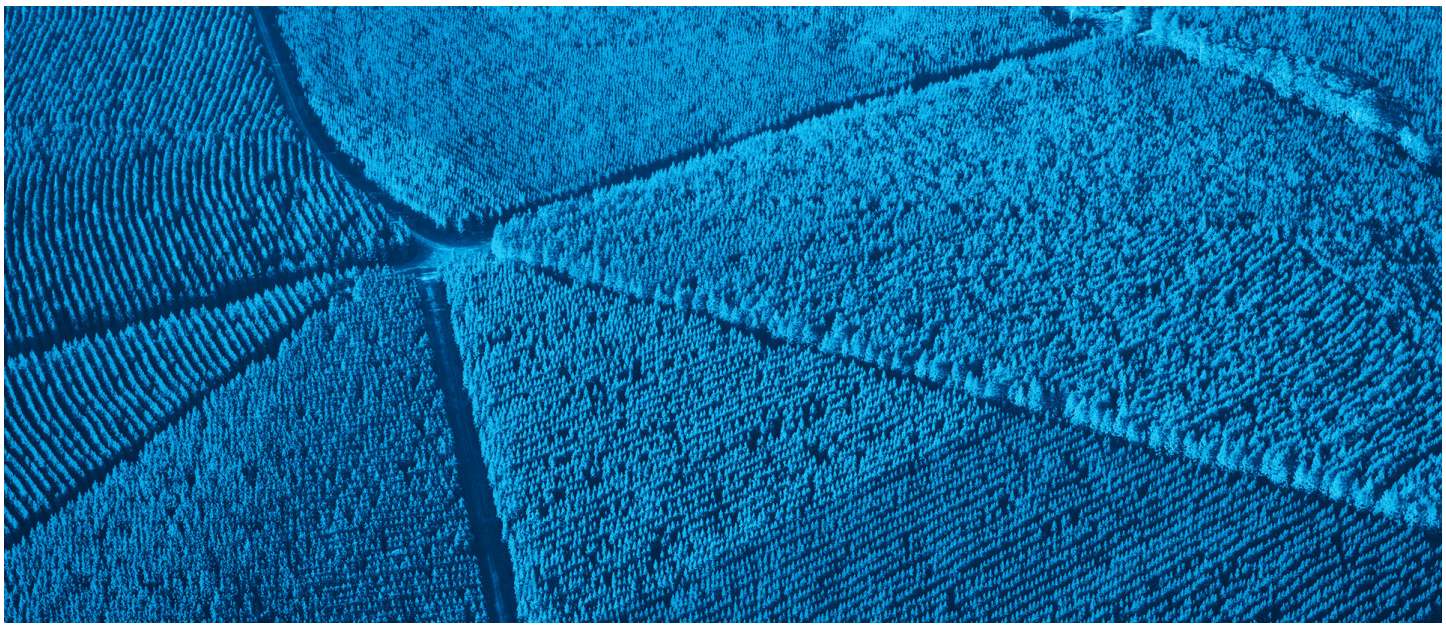
Key benefits

GOOD CAPACITY WITH SHORT PRESS CYCLE TIME - PRESS OPEN TIME LESS THAN 15 SECONDS

USE PHENOLIC, MELAMINE, MDO ETC. OVERLAY FILMS IN ROLL OR SHEET FORM

SUITABLE FOR ALL PANEL AND FILM SIZES

STANDARDIZED PARTS ENSURE SPARE PART AVAILABILITY, MAINTENANCE AND SUPPORT AVAILABLE 24/7



Technical specifications

Operators on the Line	1-2
Installed power (kW)	140
Daylight No. (max)	1
Product Thickness Range (mm)	6.5-40
Press open-time (s)	9-15
Panel feeding	Automatic/Manual

Panel overlaying

Accurate panel overlaying minimizes trim waste and maximizes panel profit

Plywood and particle board panels can be coated with different overlay materials, like phenolic or melamine, to improve their physical properties and usability. Coated plywood panels are used, for example, in concrete formwork and transport vehicle constructions.

Panel overlaying can improve panel strength, abrasion and water absorption resistance, as well as resistance against liquids, chemicals, humidity, weather, and heat. It can also improve re-usability, anti-slip characteristics, visual appearance, and ease of cleaning.

Panel overlaying is done in the final stages of plywood manufacturing. Once the panels have been trimmed and sanded, they are coated with roll film or film sheets that give the end product its desired characteristics and decorative finishes. The panels are then pressed between hot platens, after which the sides and ends are trimmed and the panels stacked for delivery.

Overlaying is a delicate process. Its success starts with a high-quality panel, on which the film has to be well-positioned and quickly pressed to ensure a smooth surface and a high-quality outcome. With accurate overlaying, you minimize panel trim waste and maximize the profit of manufactured panels.

Raute panel overlaying technology has been used and developed at plywood mills across the world for decades, and the lines are proven to last up to 30 years in operation. All Raute multi-daylight and short cycle lines are integrated with safety equipment and easy-to-use operator interfaces for effortless everyday use.

The lines' modernizability and recyclability ensure a sustainable fit for your needs, while construction from standard parts ensures spare part availability. Should your demand or raw material quality change, our overlaying lines can also be used for plywood pressing. Connecting the lines to MillSIGHTS allows you to improve overlaying process performance and optimize manufacturing.