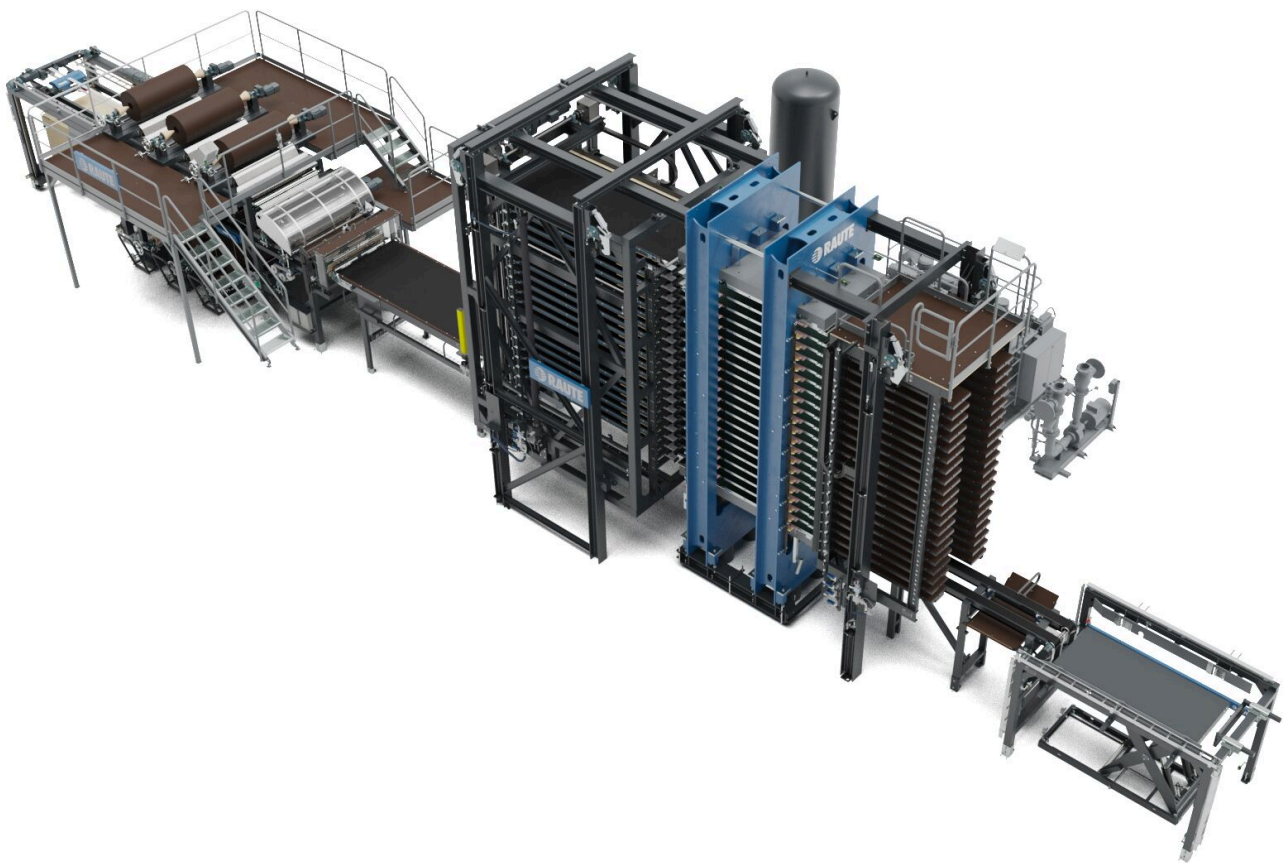




Multi-Daylight Panel Overlaying Line R7

**MAXIMIZED PRODUCTIVITY FOR
HIGH-QUALITY PLYWOOD
OVERLAYING**



Multi-Daylight Panel Overlaying Line R7 – maximized productivity for high-quality production

When you want to maximize coating productivity while minimizing trim waste, Raute Multi-Daylight Panel Overlaying Line R7 is your solution. Its fully automated features maximize panel overlaying quality and capacity resulting in up to 25% more end-product than a semi-automatic line.

The multi-daylight R7 line has a high-capacity film overlaying unit with up to 6 carriages for film rolls. Automatic panel feeding ensures reliable operation, preventing double panel infeed and allowing automatic panel size change. The line can also be equipped with cleaning mechanisms to ensure a clean panel surface before coating.

The overlay material is positioned and attached to the panel with precision, which minimizes trim waste and maximizes end-product quality. Accurate clipping of the films minimizes excess film on corners, saving film material and minimizing trash down the line.

To maximize overlaying capacity, equip your line with our fully Automatic Film Overlaying Unit R7. This eliminates the need for manual film adjustments, as electric film positioning and automated overlay tightness control help minimize film breakages and enhance overlaying performance. With this setup, one operator can monitor the quality of two lines simultaneously, boosting overall process efficiency.

The number of openings in the overlaying press matches your capacity goals. The shortest possible press open time ensures a smooth and even panel surface.

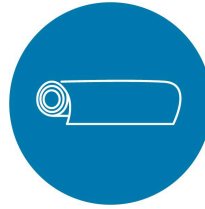
Automatic charging and discharging to the overlaying press, as well as automatic stacking and base plate handling solutions, minimize the need for manual work. You can also use the charger for caul plate changing in the press, making it more efficient to create various surface patterns in production.

When you want to upgrade your line with the latest features, our experts will assist in making use of the latest technology. If your capacity needs decrease, the R7-Series multi-daylight line is also suitable for producing plywood. Connecting to MillSIGHTS helps you keep track of usage rates and capacities.

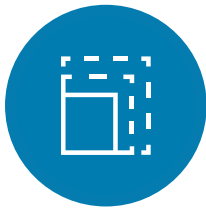
Key benefits



HIGHEST CAPACITY
WITH SHORT PRESS
CYCLE TIME - PRESS
OPEN TIME LESS THAN
60 SECONDS



USE PHENOLIC,
MELAMINE, MDO ETC.
OVERLAY FILMS IN
ROLL OR SHEET FORM,
UP TO 3 FILMS ON THE
TOP AND BOTTOM
SURFACE



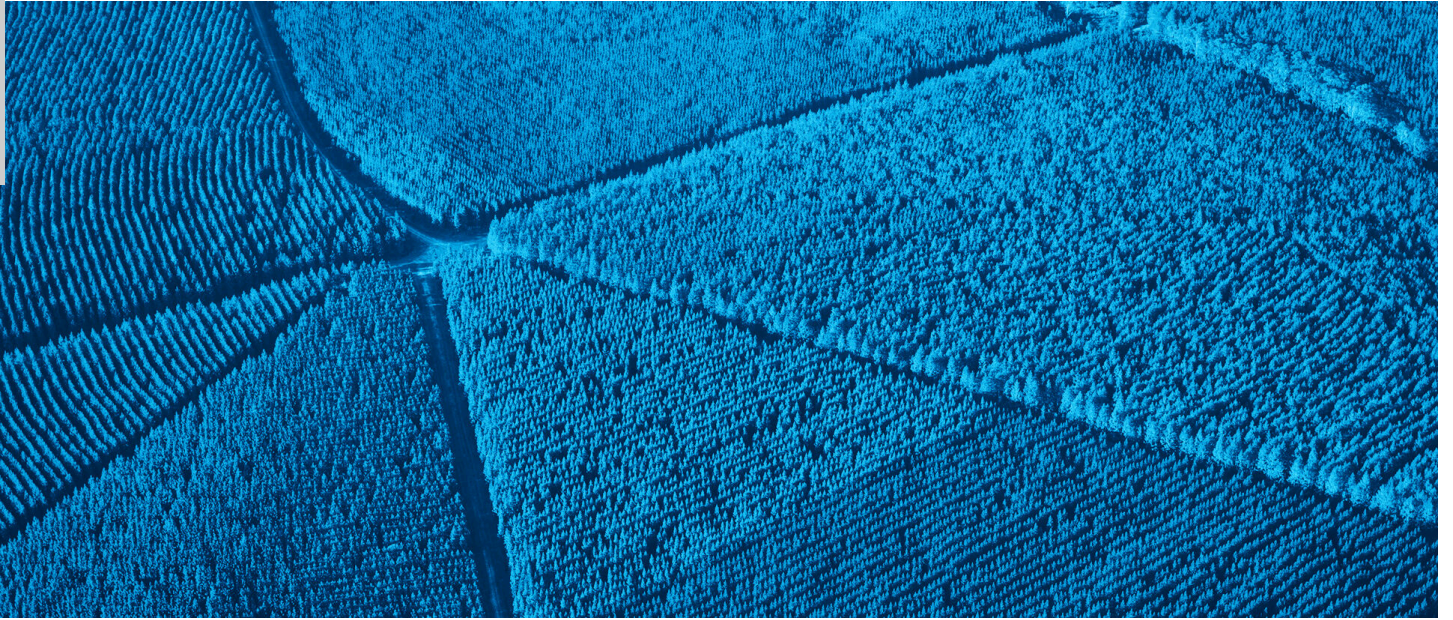
SUITABLE FOR ALL
PANEL AND FILM
SIZES



ONLY ONE OPERATOR
NEEDED



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



Technical specifications

Operators on the Line	1
Installed power (kW)	210
Daylight No. (max)	20
Product Thickness Range (mm)	4-50
Press open-time (s)	45-60
Panel feeding	Automatic

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.



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Making Wood Matter