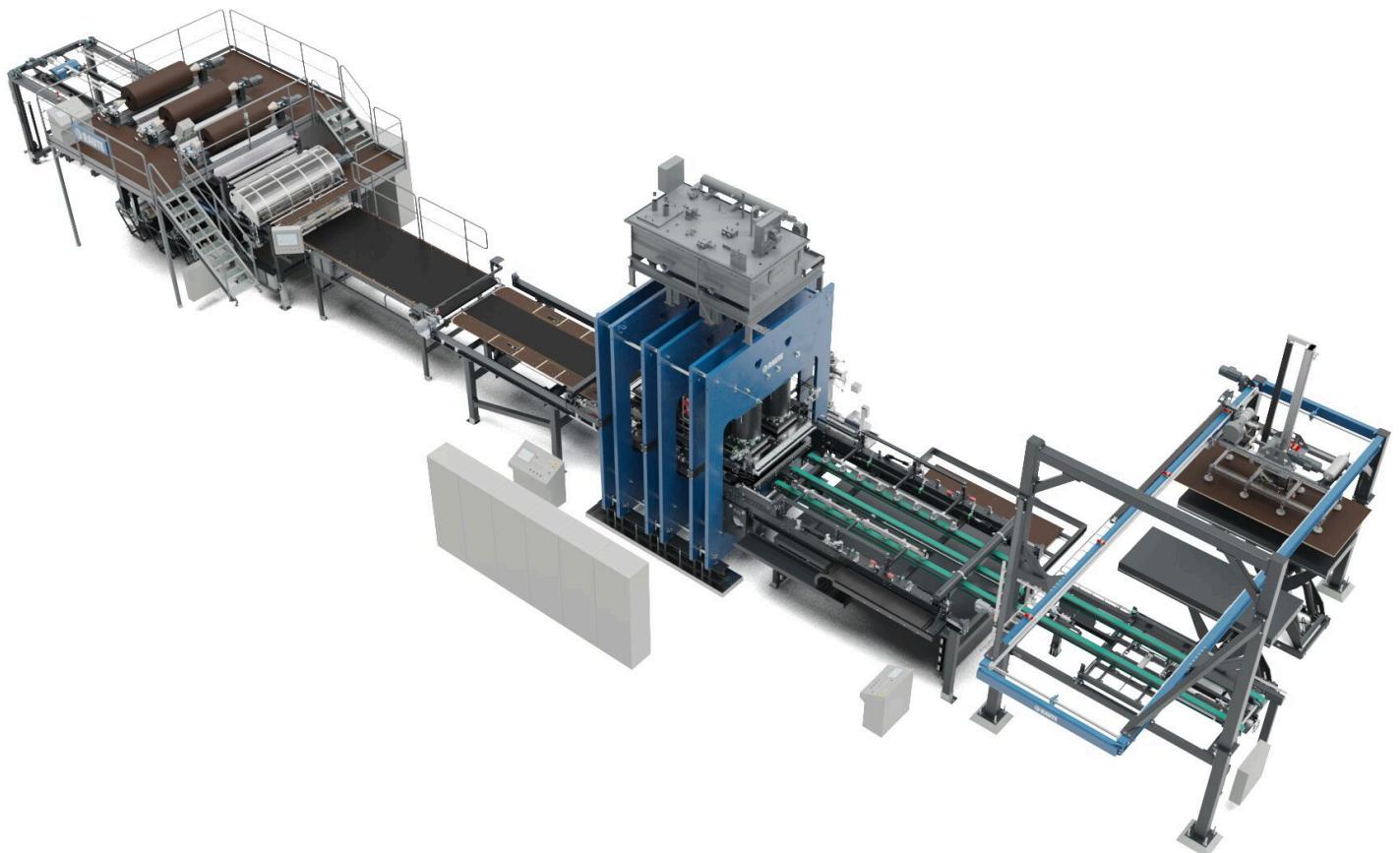




# Short Cycle Panel Overlaying Line

## R7

**HIGH-QUALITY PLYWOOD  
OVERLAYING FOR VARIED COATING  
NEEDS**



# Short Cycle Panel Overlaying Line R7 - quality and productivity for coating

When you want to produce panels with different coatings and demand the highest capacity and quality in your operations, Raute Short Cycle Panel Overlaying Line R7 is the one you need. Its fully automated features maximize panel overlaying quality, while accurate film positioning saves film material and minimizes trim waste.

The short cycle R7 line's high-capacity film overlaying unit can be equipped with up to 6 carriages for film rolls. Reliable operation is guaranteed with automatic panel feeding that prevents double panel infeed and allows for automatic panel size change. Accurate clipping of the films on all sides of the panel minimizes excess film on corners, saving film material and minimizing trash down the line.

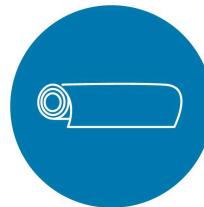
To maximize overlaying capacity, equip your line with our fully Automatic Film Overlaying Unit R7. This eliminates the need for manual film adjustments, as electric film positioning and automated overlay tightness control help minimize film breakages and enhance overlaying performance. With this setup,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

Minimal press open time ensures a smooth and even panel surface. Automated press operation follows your product recipe and ensures the highest possible end-product quality.

The line minimizes the need for manual work with automatic charging and discharging to the overlaying press and automatic stacking and base plate handling solutions. Using the charger for caul plate changing in the press makes it more efficient to create various surface patterns in production.

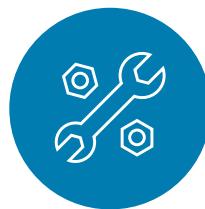
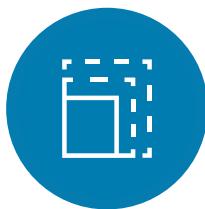
When you want to upgrade your line with the latest features, our experts will assist in making use of the latest technology. If your capacity needs decrease, the R7-Series short cycle line is also suitable for producing plywood. Connecting to MillSIGHTS helps you keep track of usage rates and capacities.

## Key benefits



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

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



UP TO 6 CARRIAGES  
FOR FILM ROLLS,  
WITH UP TO 3 FILMS  
ON THE TOP AND  
BOTTOM SURFACES

SUITABLE FOR ALL  
PANEL AND FILM  
SIZES, AND COATING  
PARTICLE BOARD

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



## Technical specifications

Operators on the Line	1
Installed power (kW)	150
Daylight No. (max)	1
Product Thickness Range (mm)	6.5-40
Press open-time (s)	9-15
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.



[raute.com](http://raute.com)

Making Wood Matter