RAUTE

Veneer Stacker R7

ACCURATE VACUUM BELT STACKER FOR EVEN VENEER STACKS

Veneer Stacker R7 - for maximized stacking speed and accuracy

When you want the best possible stacking speed and accuracy for a variety of veneer sizes and thicknesses, Raute Veneer Stacker R7 is your solution. It has a patented vacuum box structure that minimizes the suction system's installed power need and therefore its energy consumption.

The optimized vacuum box system is automatically adjusted to fit the veneer size, thickness and moisture class of each sheet. The suction power and box position are controlled for optimal transport. This ensures that veneer sheets are not moving on top of the stack, and they can be kicked off with minimal force to minimize breakages. The platforms can be kept as close to the conveyor belt as possible to minimize drop heights and maximize stacking speed.

With minimal sliding and optimal stacking positioning, the veneer stacks are as even as possible, helping you minimize waste in stacking. Stack quality is further enhanced with stack squaring plate systems. Integrated service platforms with all maintainable parts visible make installation and service safe, quick and easy.

Raute Veneer Stacker R7 has a flexible construction that is suitable for automated stacking in veneer peeling, drying, patching and composing lines and can also handle randoms efficiently. It can be integrated into all Raute and competing brands' processing lines.

Key benefits

-30%

UP TO 30% LESS ELECTRICITY CONSUMPTION PER STACKED M³ THAN OLDER RAUTE STACKERS

SMALLER DUST STATIONS DUE TO LESS AIR FLOW

CAN HANDLE ALMOST UNLIMITED NUMBER OF SHEET CATEGORIES

Technical specifications

Veneer thickness (mm)	up to 10
Installed power (kW)	1,5-15 / section
Stacker total length up to	For one stacker 32m
Veneer sheet length (ft)	4-11
Veneer sheet width (ft)	4-14
Stacking of random sheets	●
Speed up to	330 m/min
Kicker arm material	Plywood or fiber
Suction system	Fit to veneer size
Movable vacuum boxes (variable ft)	●
Trash handling (trash gate)	●
Dust filtration	●

Veneer stackers

Even veneer stacks are a sign of efficient sheet handling

In peeling, drying, composing and patching lines, veneer sheets are categorized into stacks to be delivered to the next processing phase. Good stack quality allows the sheets to be automatically processed and helps minimize waste through less breakages.

Optimal stacking considers each sheet's characteristics and adjusts the whole handling process accordingly. The categorization is done based on sheet length, width, quality, thickness and moisture content. The sheets can be stacked into 1-6 or even more stacks depending on their end use, and even randoms can be handled efficiently.

In vacuum belt stacking, the sheets are transported using vacuum gaps: Suction lifts the sheets to the conveyor belt. When the sheet is above the right stacking platform, a kicker arm releases the sheet from the belt and the sheet is stacked accurately onto the platform. The closer you can lift the platforms to the conveyor belt, the shorter the drop will be and the faster and more evenly you are able to stack.

You want to use as little suction as possible to minimize the installed power of the suction system, but also minimize the sheet drop height without sheets being sucked back onto the conveyor. From the environmental side, the less suction you use the quieter the stacker is, and the less sawdust will circle in the air.

Raute stacker solutions have a flexible structure and can be used from simple stacking needs to multiple stacks for wet or dry, composed or patched veneer. Work safety is top of the line with integrated service platforms. All maintainable parts are visible making the service quick and easy.

Our new stackers have a reduced power consumption of up to 30% per stacked m^3 compared to our older models. Raute Stacker R7 has a patented vacuum box structure that allows you to optimize suction need, suction box position and dropping height, making even stacks from varied sheet sizes in high-capacity lines. Raute Stacker R3 has a compact modular structure with electric operation that is perfect for small capacity lines.