RAUTE

Veneer Drying Line R3

COST EFFICIENT SOLUTION TO YOUR NEED

AGILE PRODUCTION WITH CLEVER DESIGN OF THE R3 SERIES DRYING LINE
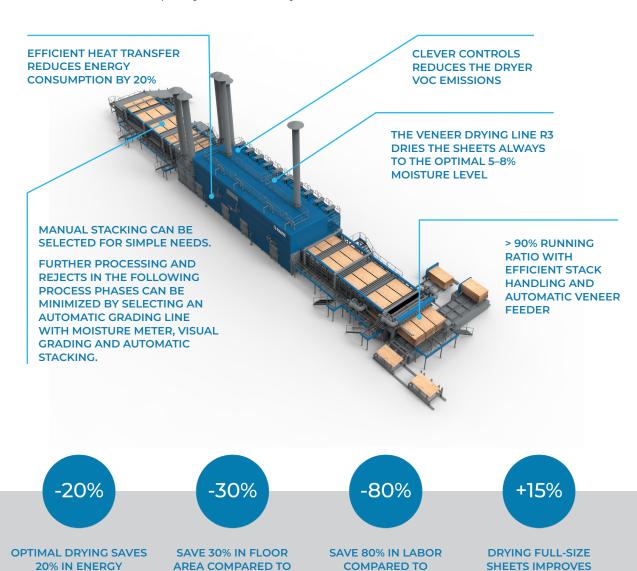
Raute is the globally leading maker of machinery for high-quality veneer, plywood and LVL panels and beams.

Easy to install practically anywhere. Only four people needed to fully operate the line.

The Raute Drying Line R3 can dry all hardwoods and softwoods when producing veneer sheets. The line is easily installed on a plain flat floor on rails giving significant space savings since no special foundations are needed.

The R3-series dryer is highly customizable based on every production requirement. It is available in the form of the traditional four decks and six decks options for different needs. Its completely insulated shell not only saves in heating energy but evenly dries everything from the top to the bottom decks. Another unique feature is the high humidity drying, which lowers energy and electricity consumption compared to typical industrial veneer dryers.

The Veneer Drying Line R3 can also be integrated with additional veneer grading lines to achieve maximum quality and efficiency.

EFFICIENT HEAT TRANSFER REDUCES ENERGY CONSUMPTION BY 20%

CLEVER CONTROLS REDUCES THE DRYER VOC EMISSIONS

THE VENEER DRYING LINE R3 DRIES THE SHEETS ALWAYS TO THE OPTIMAL 5–8% MOISTURE LEVEL

MANUAL STACKING CAN BE SELECTED FOR SIMPLE NEEDS.

FURTHER PROCESSING AND REJECTS IN THE FOLLOWING PROCESS PHASES CAN BE MINIMIZED BY SELECTING AN AUTOMATIC GRADING LINE WITH MOISTURE METER, VISUAL GRADING AND AUTOMATIC STACKING.

> 90% RUNNING RATIO WITH EFFICIENT STACK HANDLING AND AUTOMATIC VENEER FEEDER

-20%
OPTIMAL DRYING SAVES 20% IN ENERGY

-30%
SAVE 30% IN FLOOR AREA COMPARED TO TRADITIONAL 4-DECK DRYER

-80%
SAVE 80% IN LABOR COMPARED TO NATURAL VENEER DRYING

+15%
DRYING FULL-SIZE SHEETS IMPROVES RECOVERY BY 15%

FEATURES

· Automatic or semi-automatic veneer feeder

· 4-deck 6.2 wide or 6-deck 4.8 m wide dryer. Capacity based on the needs by selecting the amount of hot cells and cooling cells

· Steam or thermal oil heating

· Automatic and semi automatic controls

· Manual, semi-automatic (rotary table or pull conveyor) or automatic stacking

· Optional automatic grading line with moisture meter, visual grading and automatic stacking

BENEFITS

· Optimized and agile production for different veneer sizes and thicknesses

· High quality veneer quality due to intelligent controls

· Minimum energy consumption due to efficient heat transfer (air flow, jet boxes, radiators, high air humidity inside dryer)

· Less VOC emissions due to clever controls

· Minimized labor consumption due to automatic feeder and automatic grading line

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Making wood matter