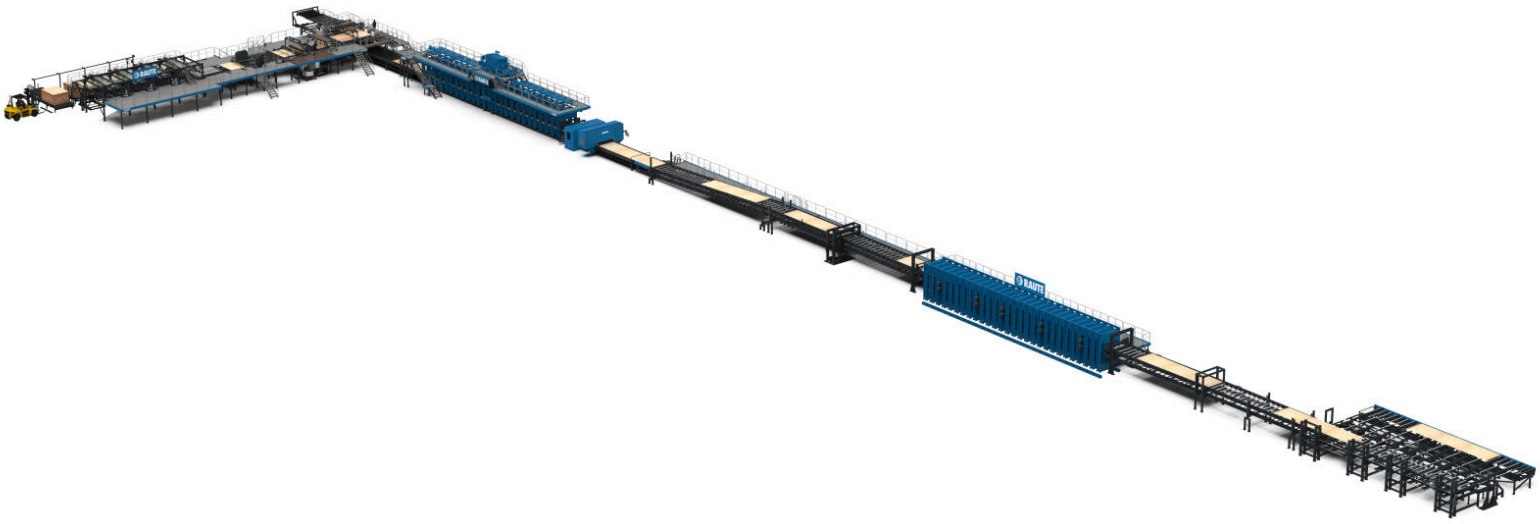
LVL Lay-up and Pressing Line R5

STANDARDIZED SOLUTION



LVL Lay-up and Pressing Line R5 is the standardized solution for LVL production

We have answered the increasing demand for production profit optimization globally with a standardized easy-start solution for basic LVL production – The LVL Layup and Pressing Line R5. The solution is always delivered with the LVL Billet Handling Line R5.

This solution is perfect for plywood producers seeking a new way to increase profit or for the producers who are planning on entering the LVL market. With the R5 you can produce a wide enough product repertoire that the common markets need.

The lines have been designed with standardized components, so the price tag is smaller, the delivery and commission time is short, and it is easy to operate. Yet, the high quality of the end-products meets the market demand.

LVL Lay-up and Pressing Line R5 uses the same well-proven technology that our R7-series has, but it is designed for lower capacity needs. The R5 produces high-quality LVL with a fixed veneer size of up to 14 meters long. Due to optimized capacity and features, we have been able to reduce the needed floor area by 40% and the line needs only three operators to function in full capacity.

With R5 Series LVL Lay-up and Pressing Line, you can produce parallel ply LVL-P of most common raw materials. Standard solution means ready setup for you to produce a single product with mediocre capacity.

Key benefits

3

ONLY THREE OPERATORS NEEDED

14m

UP TO 14 M LONG LVL PRODUCTS

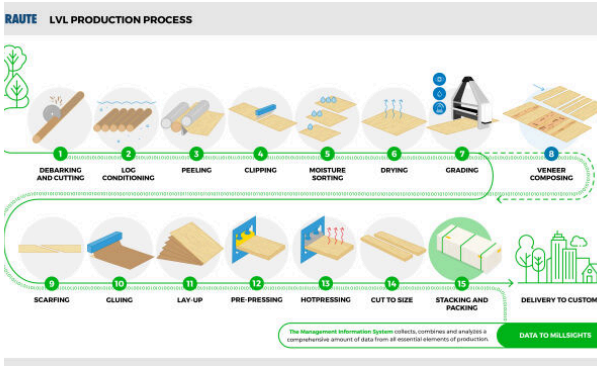
50%

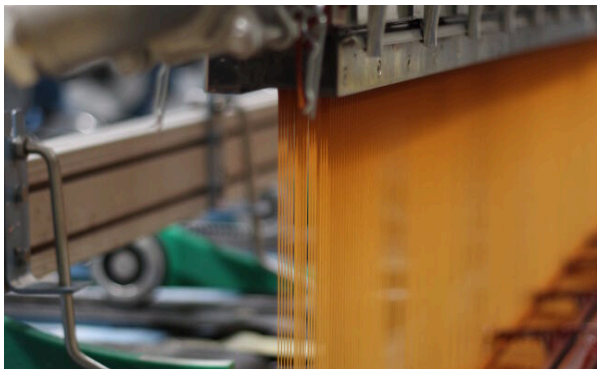
OVER 50% OF LVL GLOBALLY PRODUCED BY RAUTE TECHNOLOGY

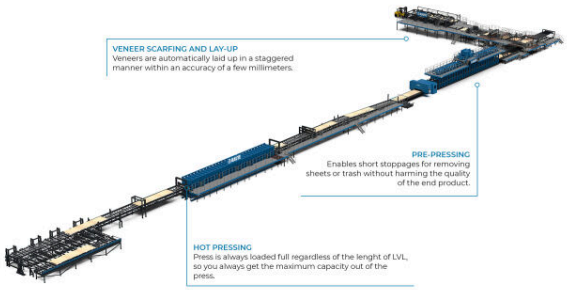
LOW INVESTMENT COSTS

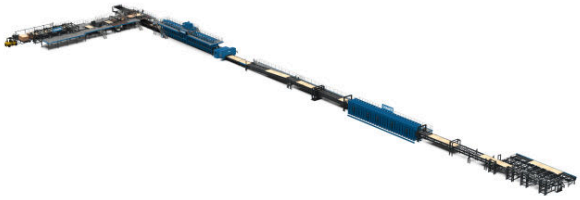
STANDARD SOLUTIONS SECURES FAST MANUFACTURING, COMMISSIONING & RAMP-UP

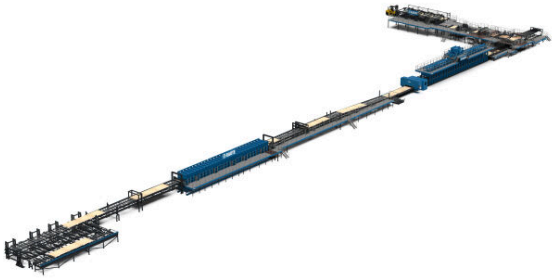
Images and videos



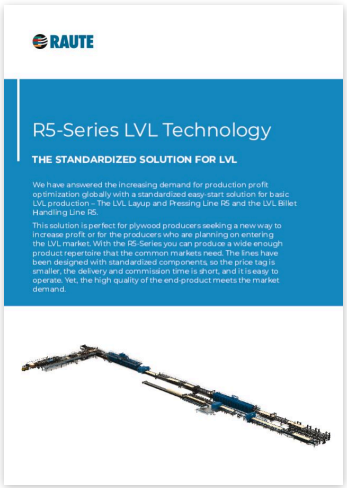








Downloadable material



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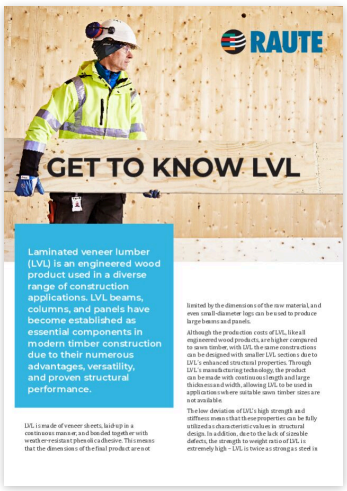

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Technical specifications

Operators on the Line	3
Capacity up to (m3/h)	6
Daylight No. (max)	2
Daylight opening (max)(mm)	150
Product Thickness Range (mm)	15-75
Veneer sizes (ft)	8x4
Line widths available (m)	1.2
LVL length (max)	14
Veneer grades	4
Parallel Ply (LVL-P)	●
Cross Ply (LVL-C)	●
Phenolic resin glue	●
Smart thickness control	●

LVL lay-up and pressing

Good quality graded veneer sheets are the base for good quality LVL

The first steps of the LVL production process start from the lay-up. At this stage, the LVL gets its load-bearing structure, and the pressing line finalizes the product.

On the LVL lay-up line the structurally graded veneers in correct order are scarfed and glued, and after the final quality check laid-up in a continuous manner. Under the supervision of one operator, an endless lay-up is formed and immediately prepressed to secure flawless gluing of veneers. Billets of desired lengths are then cut and transferred to the hot press, where heat and pressure secure waterproof glue bonds.

The veneer sheet goes through a scarfing saw where a joint is cut, and it ensures the correct and secure jointing of consecutive veneers. This increases the durability of the end product. With continuous lay-up, you can produce up to 75 mm thick and up to 24 meters of LVL material according to your needs. With this technology and hot pressing, the measurements stay unchangeable, and you can produce high-quality LVL with high recovery.

Raute, with over 40 years of experience, offers the highest quality and the most sophisticated R7 Series and the new R5 Series LVL lay-up and pressing machinery. The solutions add value to your production with modern and intelligent technology, sustainability, and energy efficiency.