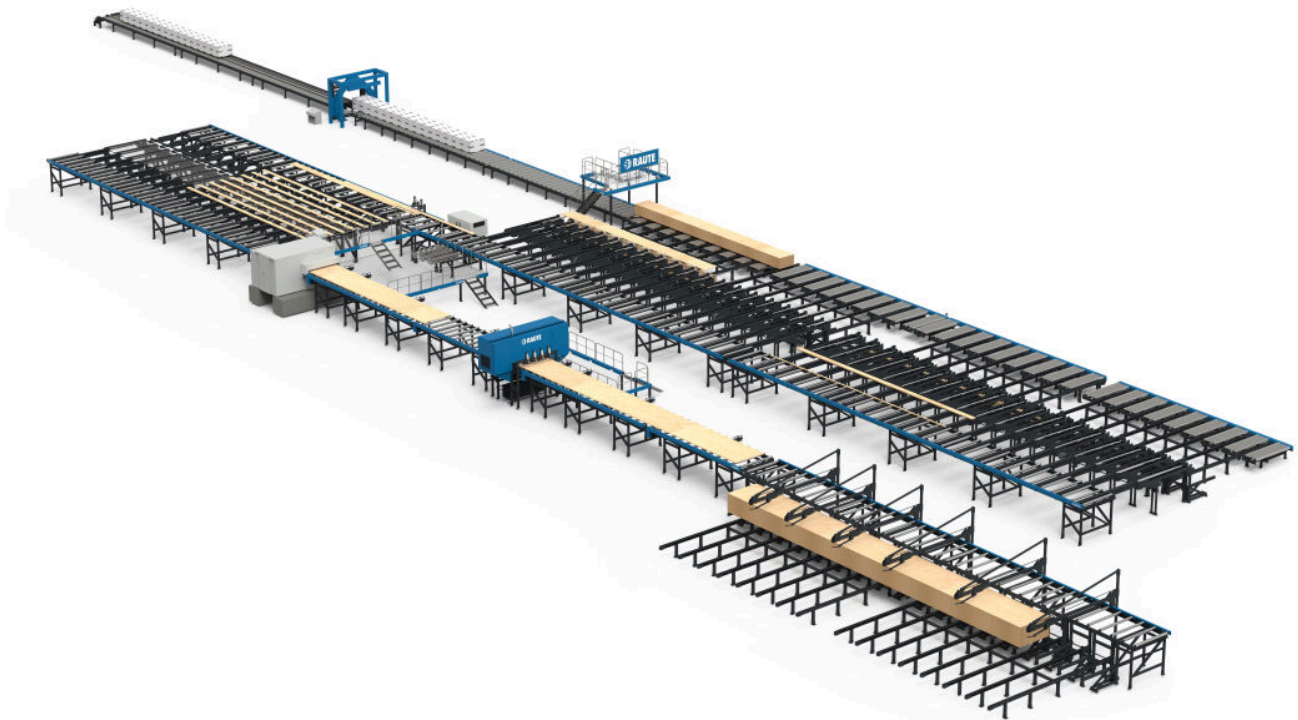


# LVL Billet Handling Line R7

## BILLET HANDLING AND FINISHING MADE TO PERFECTION



## LVL Billet Handling Line R7 seals the perfection

On Raute's Billet handling line R7 you finish your LVL products to desired length and size with weatherproof coating, whichever your customers' needs are. The boards and panels are safely wrapped and covered, they can also be branded and marked with certificate data. After the billet handling, the premium quality LVL products are ready for transport to the customer or working site.

The line requires four operators for the line to function at a maximum capacity of 120,000 m<sup>3</sup>/year but the LVL Billet Handling Line R7's cutting, finishing, stacking, and packaging are automated.

# Key benefits



LENGTH AND SIZE  
VARIATION  
ACCORDING TO END  
USE



WEATHERPROOF  
COATING



BRANDED PACKAGING



HIGHLY AUTOMATED



# References



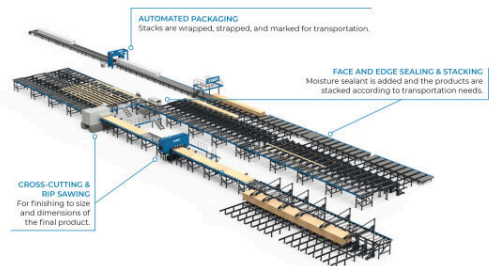
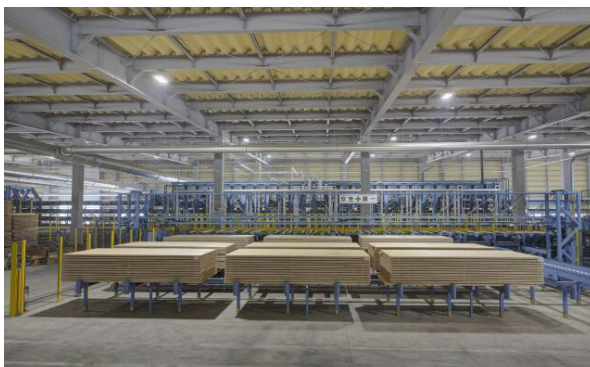
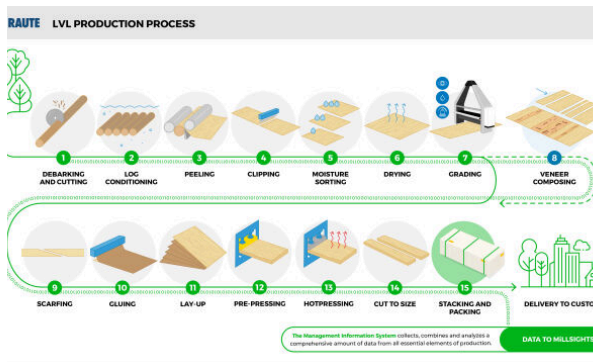
## Driving sustainable construction with Raute's LVL technology

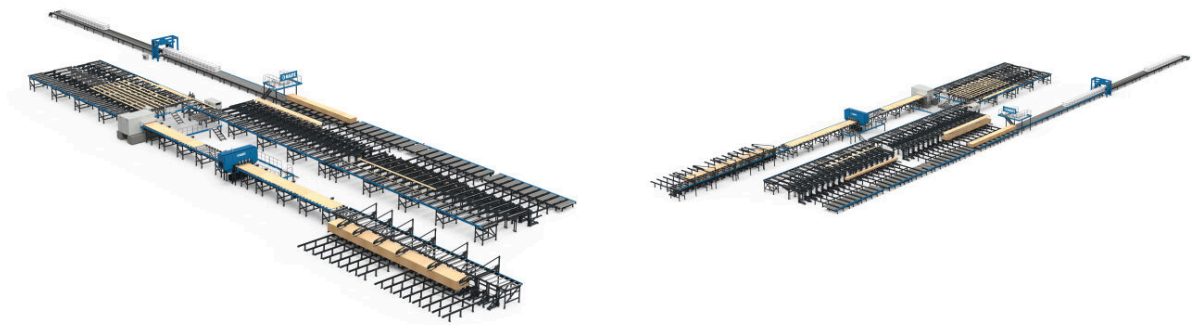
VMG Lignum takes a giant leap towards creating a sustainable home by adding LVL mill.




[Read more](#)

## Images and videos






# Downloadable material




## R7-Series LVL Technology

GREAT QUALITY LVL REQUIRES HIGH-END MACHINERY

To manufacture high-quality LVL efficiently, you need to have the right equipment and optimized process. To get the complete LVL production from veneer to LVL, Raute offers two R7-Series lines: The LVL Lay-up and Pressing Line R7 and LVL Billet Handling Line R7.




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With LVL we don't try to predict the future. WE BUILD IT.

What's driving the move to use more and more engineered wood, such as LVL, in buildings? Taller or low rise structures, residential or commercial, while cost per span effectiveness is usually viewed as the main reason to use LVL in constructions, most building professionals involved in this movement, include the environment, as being part of their inspiration. They are driven by the need to find safe, carbon-neutral, and sustainable alternatives to steel, brick and concrete. LVL allows designers to achieve both of these objectives: higher density at efficient cost and a smaller carbon footprint for their projects.

In addition to its excellent stability, low thermal expansion and low moisture content, LVL is also a very strong material. It is made from high quality veneer, which is then pressed together under heat and pressure to form a solid, uniform product. This process results in a material that is stronger than steel, and has a much smaller carbon footprint than steel. LVL is a sustainable material that is becoming increasingly popular in construction.



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## GET TO KNOW LVL

Laminated veneer lumber (LVL) is an engineered wood product used in a diverse range of construction applications. LVL beams, columns, and panels have become established as essential components in modern timber construction due to their numerous advantages, versatility, and proven structural performance.

Based by the dimensions of the raw material, and even small diameter logs can be used to produce large beams and panels.


Although the production cost of LVL is higher than that of natural wood, the higher component to use in timber with LVL, the same component can be designed with smaller LVL sections due to LVL's enhanced structural properties. Through LVL's manufacturing technology, the product can be made with consistent length and large thickness and width, allowing LVL to be used in applications where variable size timber species are not available.

The low deviation of LVL's high strength and stiffness makes it an excellent choice for structural design. In addition, due to the lack of grain defects, the strength to weight ratio of LVL is extremely high - LVL is twice as strong as steel in

LVL is made of veneer sheets, laid up in a crosswise manner, and bonded together with wood glue under heat and pressure. This process ensures the dimensions of the final product are accurate.



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## LVL Laminated Veneer Lumber Technology




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## Technical specifications

Operators on the Line	4
Capacity up to (m <sup>3</sup> /h)	24
Product Thickness Range (mm)	15 - 90
Line widths available (m)	1.2, 1.8, 2.5
LVL length max (m)	24
Sanding	●
LVL edge easing	●
Face and edge sealing	●
LVL stacker bins	2
Lumber wrap packing	●
Stretch wrap packing	●