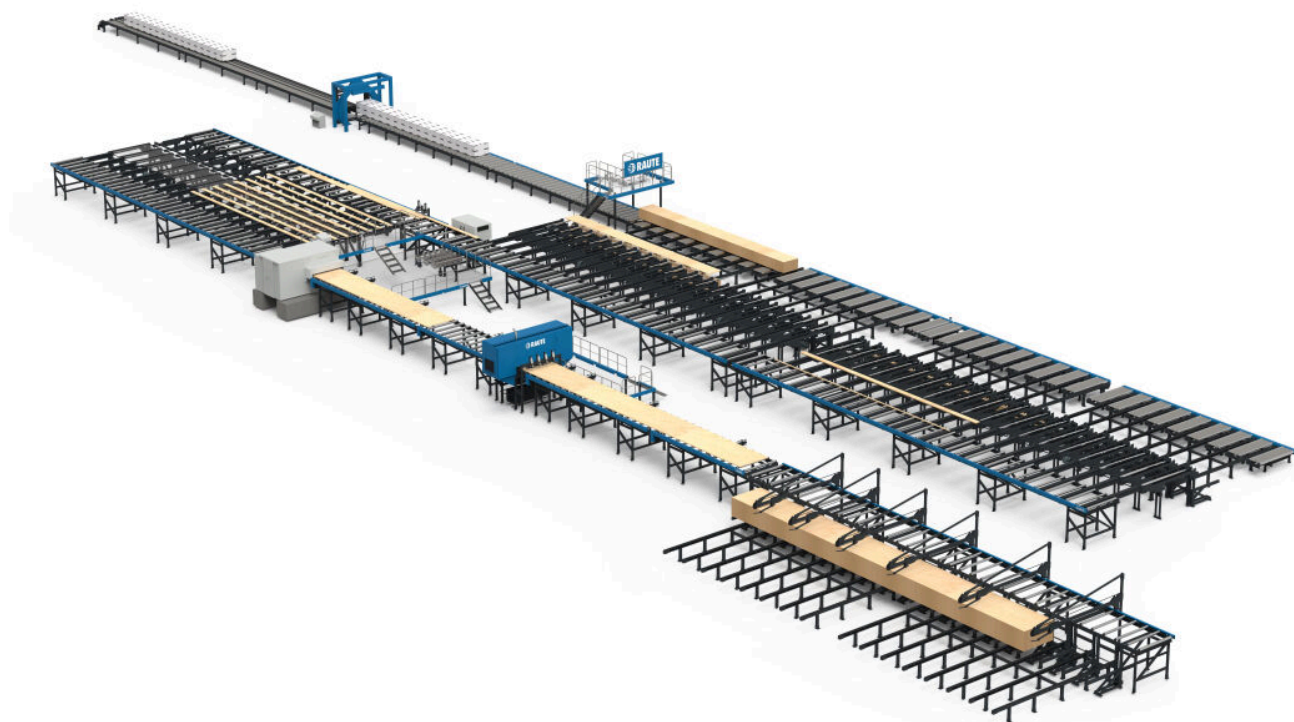


LVL Billet Handling Line R7

BILLET HANDLING AND FINISHING MADE TO PERFECTION



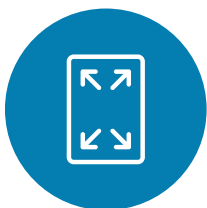
LVL Billet Handling Line R7 seals the perfection

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 m³/year but the LVL Billet Handling Line R7's cutting, finishing, stacking, and packaging are automated.



Key benefits



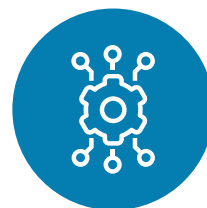
LENGTH AND SIZE
VARIATION
ACCORDING TO END
USE



WEATHERPROOF
COATING



BRANDED PACKAGING



HIGHLY AUTOMATED



References



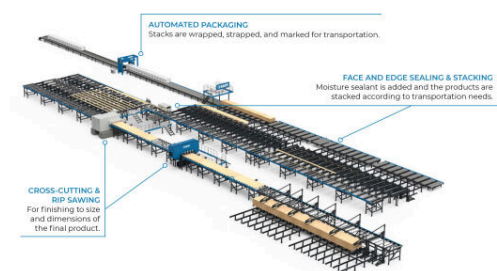
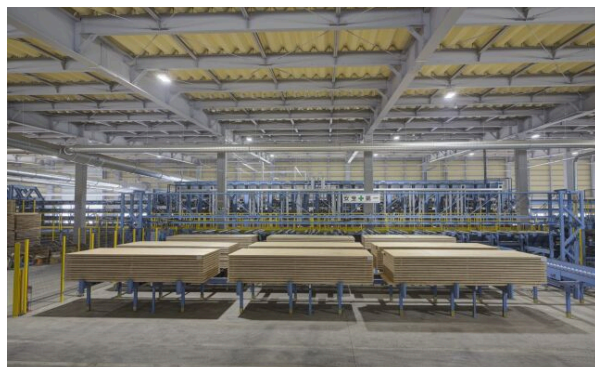
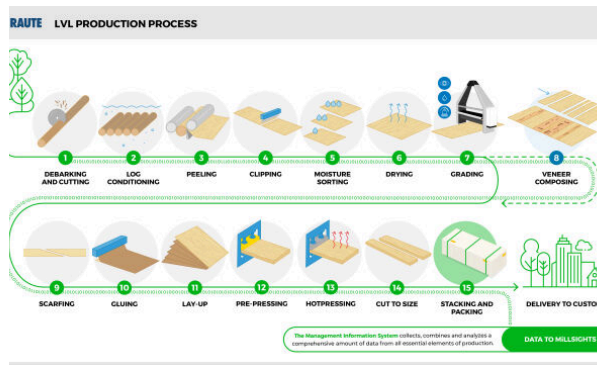
VMG Lignum

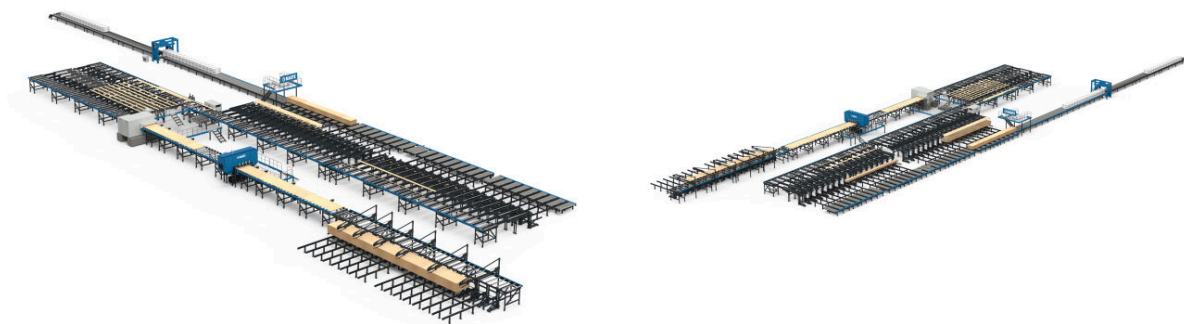
VMG Lignum takes a giant leap towards creating a sustainable home by adding LVL mill.



[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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Beitler AG Head of Business Development Director - EHP Rüdiger Goppert

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 environmental sustainability, new demands regulations in many markets across the world, continue to encourage drive in construction engineered timber, such as LVL, CLT, GLT, and others, compared to brick, steel and steel, due to their lower thermal conductivity. LVL-based timber structures are easier to make more efficiently efficient through increased strength, increased safety and reduced risk of building. This becomes more and more relevant as the cost of energy has risen double-digit price increases by the power companies, pushing many consumers across the world into a fuel poverty.





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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 larger beams and panels.


Although the production costs of LVL, small-scale engineered wood products, are higher compared to more mature with LVL, the same economies 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 continuous length and large thickness and width, allowing LVL to be used in applications where available wood timber sizes are not available.

The new generation of LVL's high strength and stiffness meets the same properties can be fully utilized in characteristic value in structural design. In addition, due to the lack of possible defects, the strength to weight ratio of LVL is extremely high – LVL is twice as strong as steel in

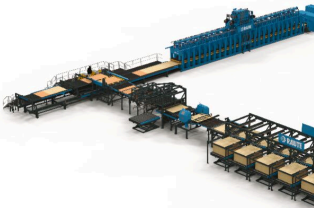
LVL is made of veneer sheets, laid up in a continuous manner, and bonded together with veneer resins in a hot-press operation. This means that the dimensions of the final product are not



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LVL Laminated Veneer Lumber Technology





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Technical specifications

Operators on the Line	4
Capacity up to (m3/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	●

LVL billet handling

Finalizing the products to be shipped for customers

Billet handling finalizes the LVL products to their correct size and measurements with high-quality finishing. The finalized products get sealed and packed with branded and secure packings ready for transportation to customers.

After cooling, the hot-pressed billets are processed to finished LVL boards and panels. Processing may consist of sanding, cross-cutting, and rip sawing. LVL boards may be edge and face sealed against elements and finally examined and packed. Branded LVL packets from the billet handling line are ready to be shipped to end use customers.

On the billet handling line also various surface treatments can be done. The boards and beams can be painted or varnished with a weather-resistant coating which ensures that the LVL products don't mold or swell due to moisture.

Raute's billet handling solutions are always delivered with intelligent management information system MillsIGHTS.



raute.com

Making Wood Matter