



VMG LIGNUM

Synergy between
EFFICIENCY & SUSTAINABILITY



I-JOIST DIRECTLY FROM THE EUROPEAN MANUFACTURER







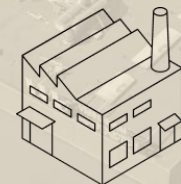
OUR I-JOIST FACTORY IS LOCATED IN EUROPE, IN LITHUANIA.

Total land area where our factory is located:

10 ha

Production and warehouse space:

29 000 m²



Factory:
Ryto g. 4, Menčių km.,
Naujosios Akmenės kaimiškoji sen.,
Akmenės raj., LT-85271, Lithuania

THE TWO LARGEST PORTS OF THE BALTIC STATES ARE NEARBY

To the port of Klaipėda: **160 km**

To the port of Riga: **140 km**

BALTIC SEA



WE DELIVER OUR I-JOIST PRODUCTS TO OUR CLIENTS TO ALL OF EUROPE

The main countries to which we export our structural particle board are: Norway, Finland, Sweden, Estonia, Denmark, United Kingdom, Poland, Germany, France, Spain, and other countries.



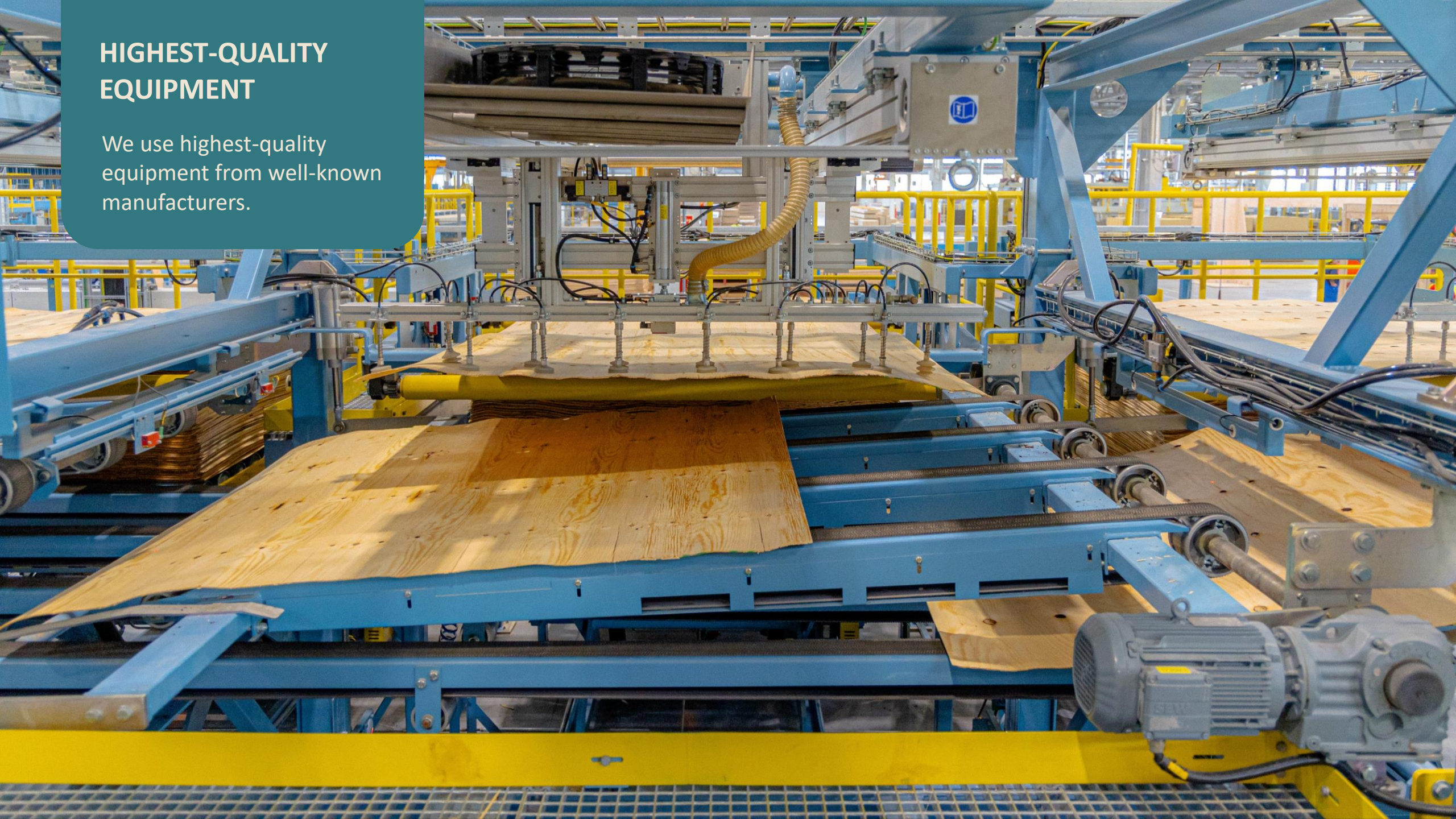


IN-HOUSE MANUFACTURING

We produce extremely large quantities of products quickly.

HIGHEST-QUALITY EQUIPMENT

We use highest-quality
equipment from well-known
manufacturers.





HIGHLY AUTOMATED HIGH-SPEED PRODUCTION LINES

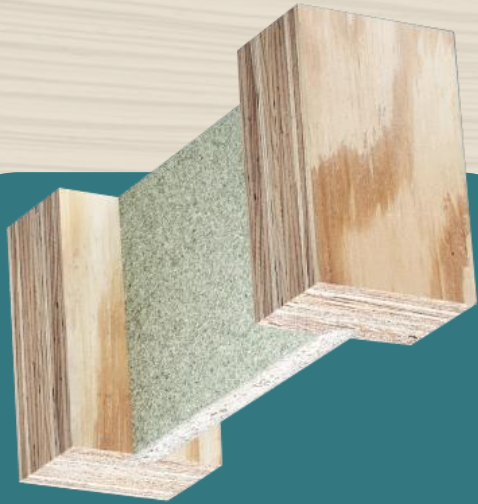
We manufacture products with extremely accurate dimensions and ensure just-in-time production.



STRUCTURAL PARTICLE BOARD FACTORY:
Ryto g. 4, Menčių km.,
Naujosios Akmenės kaimiškoji sen.,
Akmenės raj., LT-85271, Lithuania

LVL AND I-JOIST FACTORY:
Ryto g. 6, Menčių km.,
Naujosios Akmenės kaimiškoji sen.,
Akmenės raj., LT-85271, Lithuania

OUR FACTORY PRODUCTION CAPABILITIES:



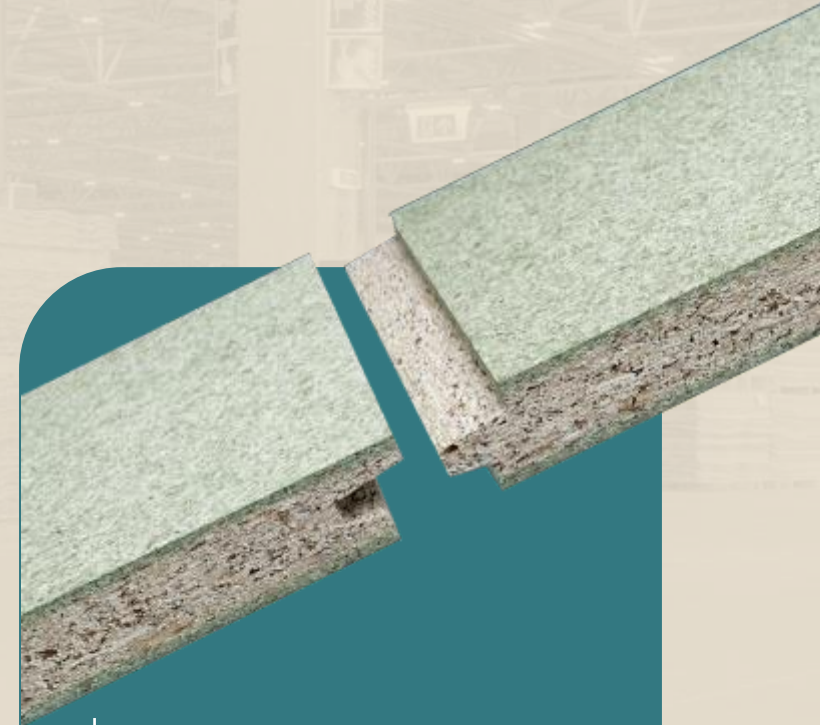
I-JOIST

15 000 000 m/year



LVL

120 000 m³/year



PARTICLE BOARD

200 000 m³/year

Our VMG LIGNUM BOARD
is certified:



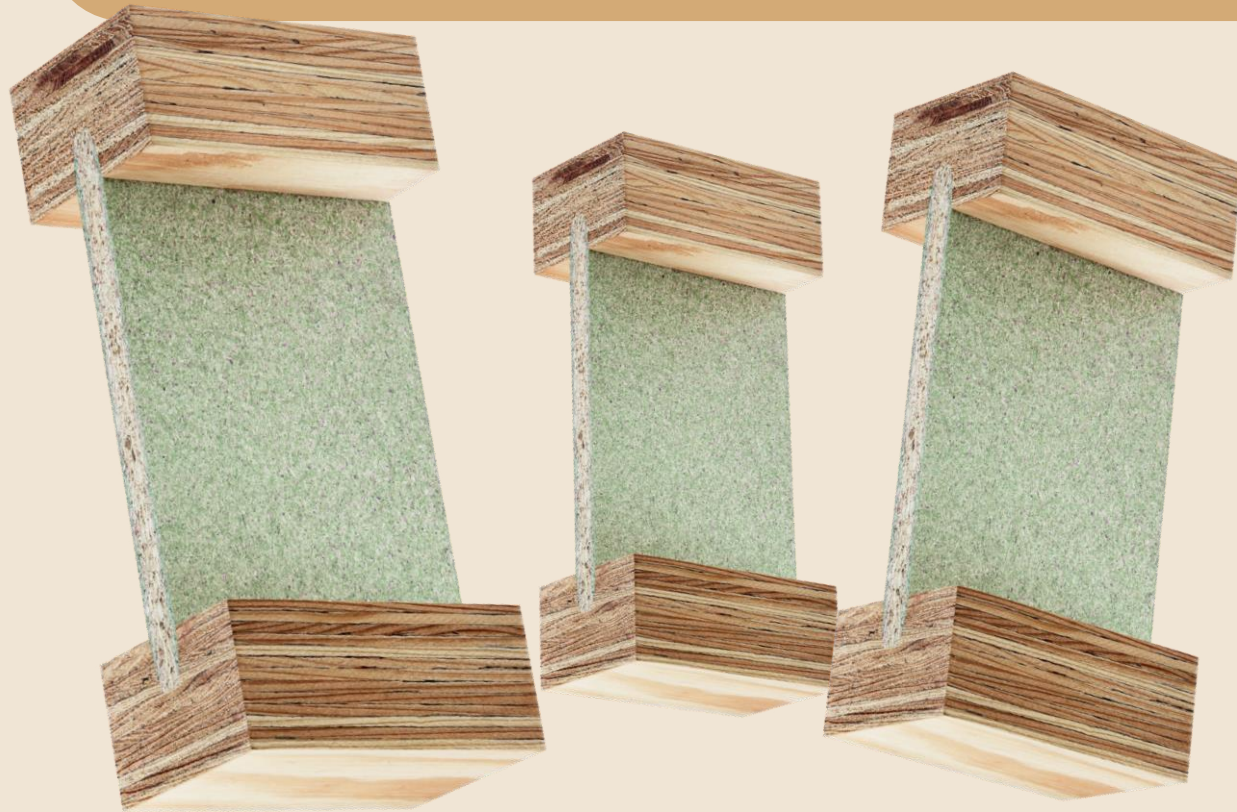
Our VMG LIGNUM LVL
is certified:



All our VMG LIGNUM I-JOIST products are certified and made from sustainably sourced wood.

The wood we use is purchased only from verified suppliers who meet all FSC® requirements. All our wood base products are FSC® certified.

**WE ARE FLEXIBLE IN I-JOIST
PRODUCTS MEASUREMENTS AND
QUANTITIES.**



**OUR I-JOIST CAN BE
PRODUCED IN
DIFFERENT SIZES
DEPENDING ON
WHERE AND HOW IT
WILL BE USED.**

WE MANUFACTURE I-JOIST FROM OUR OWN MADE LVL AND STRUCTURAL PARTICLE BOARD:

Web made from our
own VMG LIGNUM
BOARD P5 (glued
structural particle
board)

Top & bottom flange
made from our own
VMG LIGNUM LVL
(Laminated Veneer
Lumber)



BENEFITS OF VMG LIGNUM I-JOIST:



Available in lengths up to 18 m



Easy to handle and simple to install



Provides the consistent shape and sizes



Lighter, stronger, and straighter than traditional sawn timber



Offers superior dimensional stability, better performance and longer spans



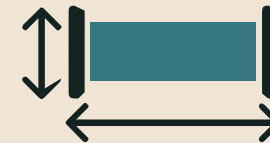
Helps prevent cold bridges more effectively



Adapted to the height of common beams



Has the great advantage of using wood resources efficiently and sustainably



I-JOIST flanges from LVL can be produced in different sizes depending on where and how it will be used



I-JOIST webs from VMG LIGNUM BOARD (glued structural particle board) is tolerant of holes and notches

BENEFITS OF VMG LIGNUM BOARD P5 (GLUED STRUCTURAL PARTICLE BOARD) IN I-JOIST WEB:



Particle board has a much finer fibre structure, and even more so on the surface, which, in contrast to OSB, prevents fibre protrusions to the surface even when the particle board is exposed to moisture



Resistant to loads and moisture (can be used in wet rooms and premises)



Lower thickness swelling when soaking in H₂O – TS: 9-10% (compared to OSB-3: TS up to 15%)



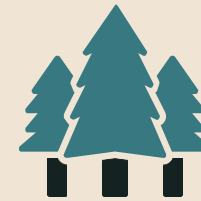
The mechanical resistance of the board is equal both transversely and longitudinally, as, unlike in OSB, the chips face all directions



The particle board for construction is attributable to formaldehyde emission class E1

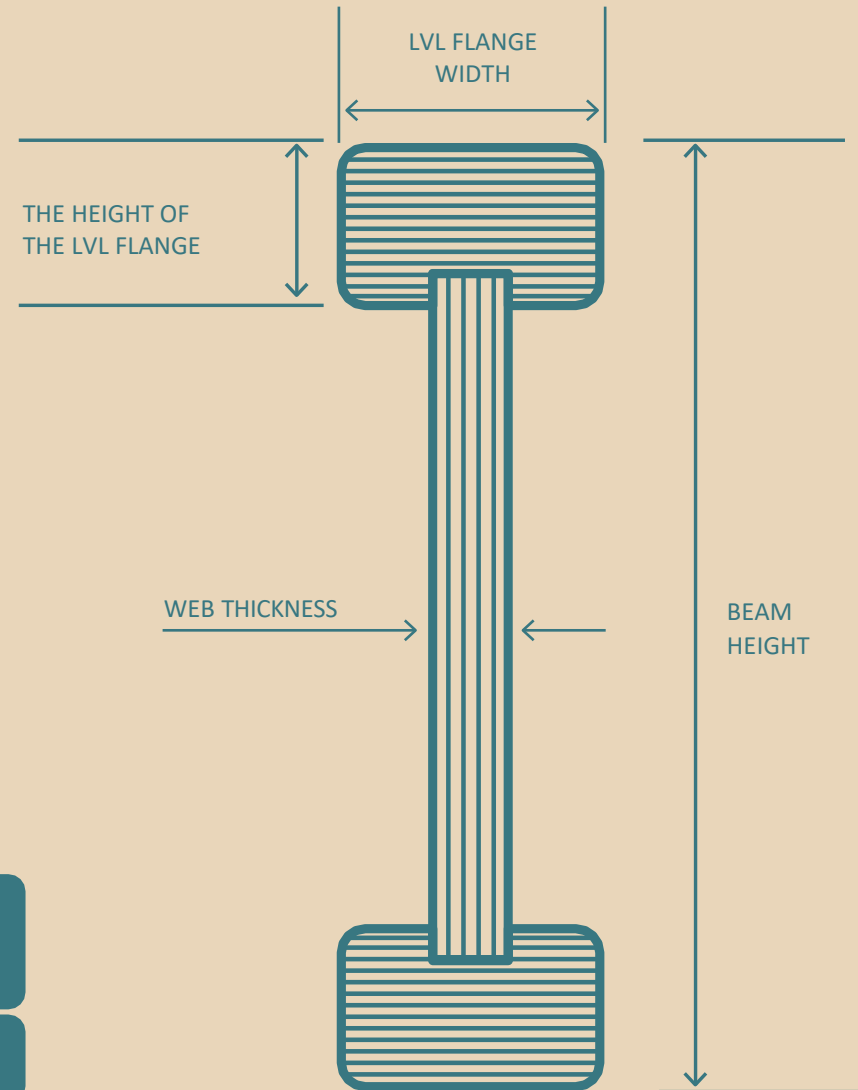


A sustainable product: 100% wood biomass is used during production, as well as the boards can be recycled to produce new ones



The wood for obtaining the biomass for production of the boards is purchased solely from responsibly managed forests, where the sustainable forestry principles are applied

VMG LIGNUM I- JOIST MARGINAL DIMENSIONS:



LVL FLANGE WIDTH	BEAM HEIGHT	THE HEIGHT OF THE LVL FLANGE	WEB THICKNESS	MAXIMUM LENGTH OF THE BEAM
45 – 90 mm	200 - 500 mm	39 mm	8 - 10 mm	18 m

STANDARD VMG LIGNUM I-JOIST DIMENSIONS:



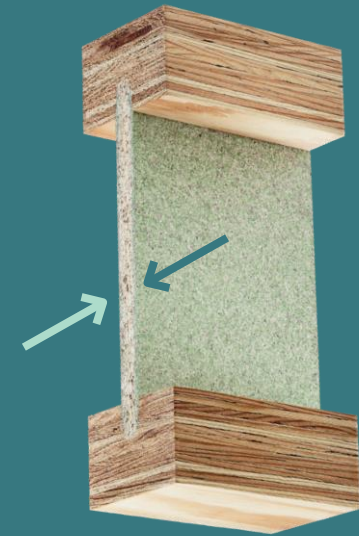
The height of the flange is 39 mm



Flange width
45, 60 or 90 mm

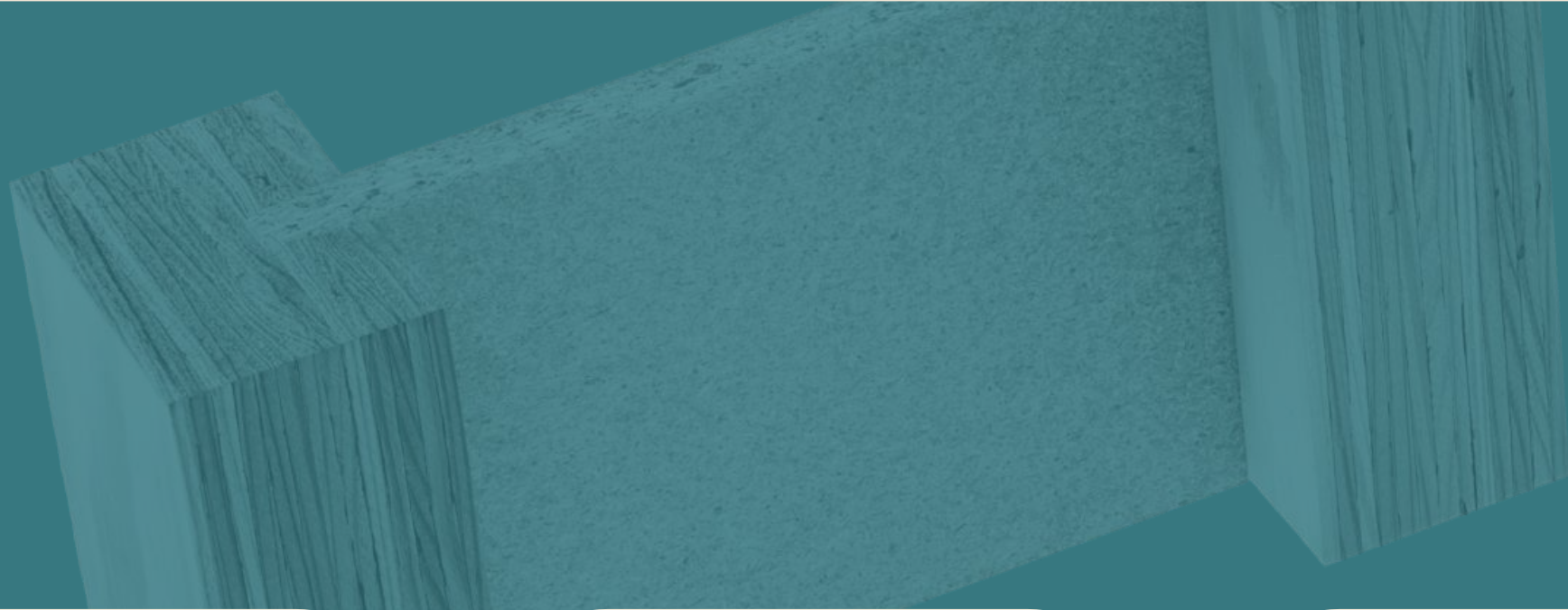


Beam height
220, 240, 250, 300,
360 or 400 mm



Web thickness
8 or 10 mm

MARGINAL VMG LIGNUM I-JOIST DIMENSIONS:

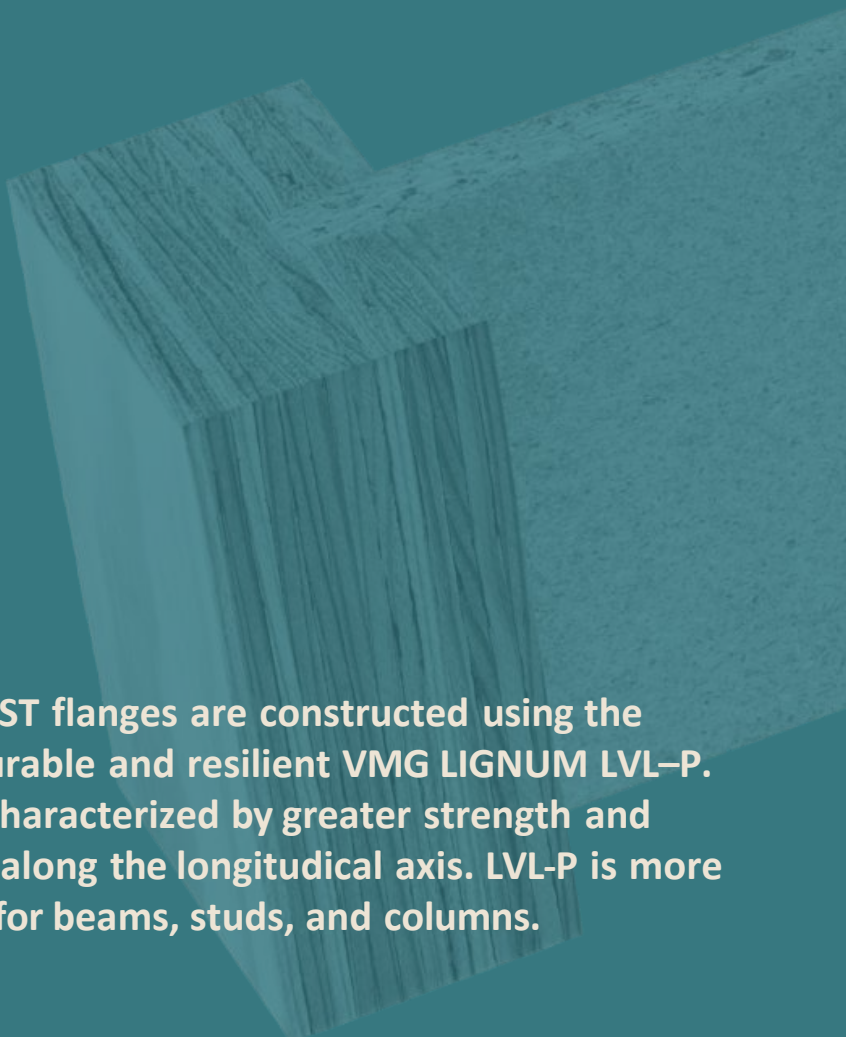


Minimum height of the
beam – 200 mm

Maximum height of the
beam – 500 mm

Maximum length of the
beam – 18 000 mm

LAYERS OF VENEER LUMBER:



Our I-JOIST flanges are constructed using the highly durable and resilient VMG LIGNUM LVL-P. LVL-P is characterized by greater strength and stiffness along the longitudinal axis. LVL-P is more suitable for beams, studs, and columns.

VMG LIGNUM LVL-P LAYERS OF VENEER LUMBER

LVL flange mm	39
Number of veneer	13
Layering	

LVL-P is made of 3 mm veneers

STANDARD VMG LIGNUM I-JOIST PROCESSING:

VMG LIGNUM I-JOIST can be further processed by the customer in various ways according to the intended use and specific customer wishes.

PROCESSING	DESCRIPTION
Impregnation	Not impregnated
Anti-termites' treatment	Only for LVL glue, the surface is untreated
Sanding	Surfaces are sanded, edges are not sanded
CNC cutting	No cutting
Other cuts	Cutting to lengths

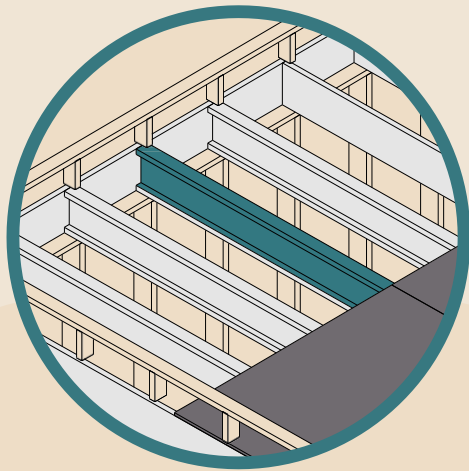
WE ARE SUITABLE FOR LOW, MEDIUM AND LARGE-SCALE PRODUCTION PROJECTS

Our factory production capabilities:

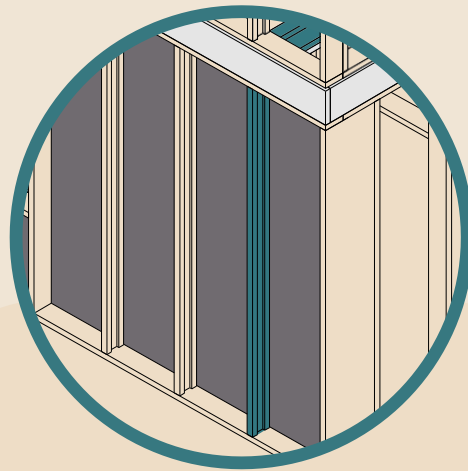
I-JOIST: 15 000 000 m/year



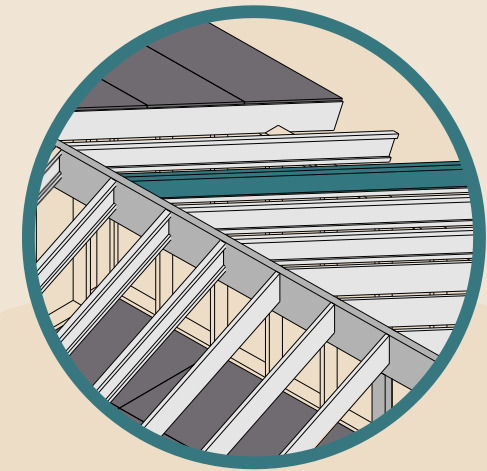
WE ARE MANUFACTURER OF HIGH-QUALITY AND HIGH-STRENGTH I-JOIST FOR RESIDENTIAL CONSTRUCTION PROJECTS:



for floor framing



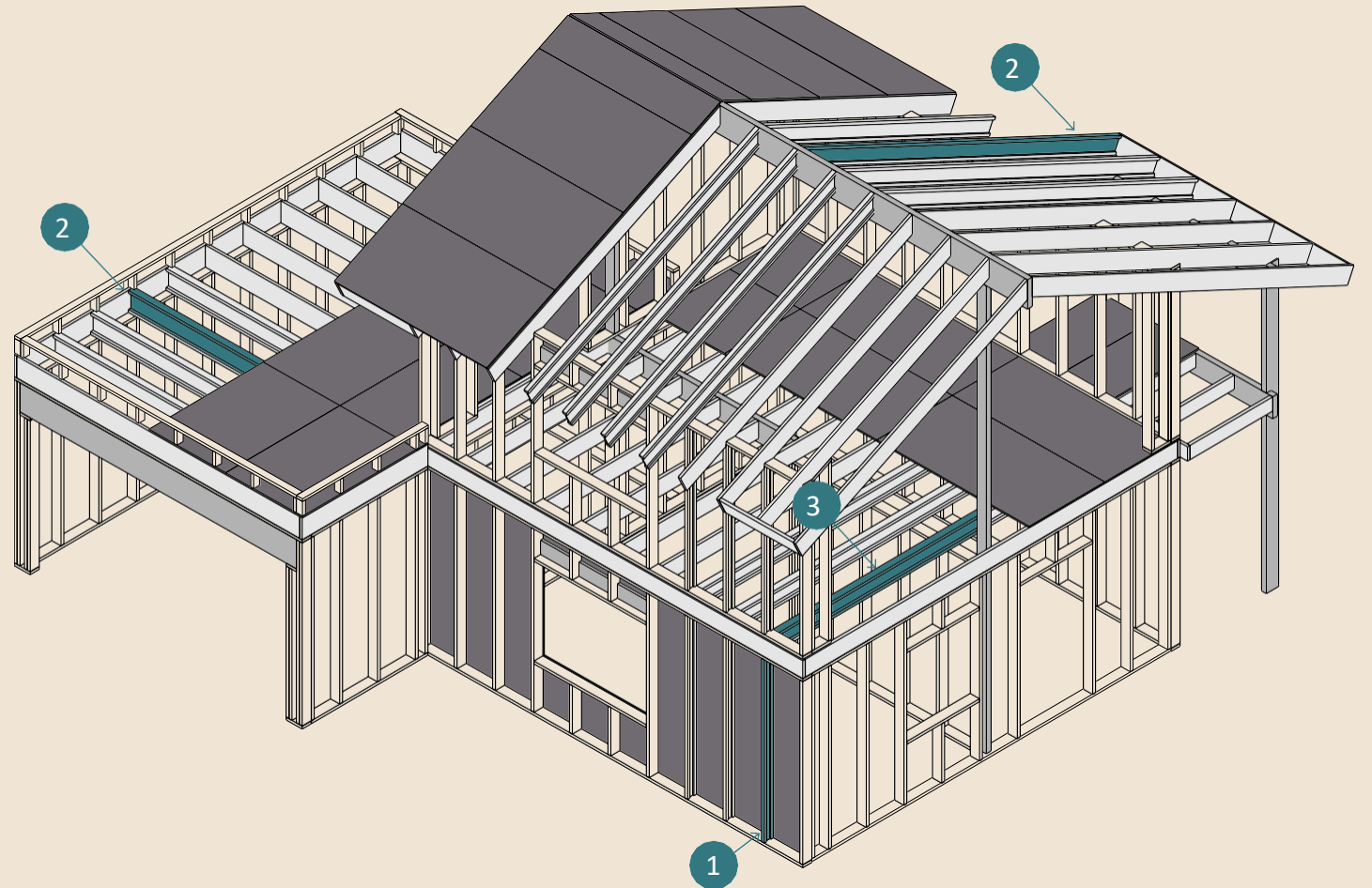
for wall framing



for roof framing

VMG LIGNUM I-JOIST ARE SUITABLE FOR BUILDINGS OF LIGHT STRUCTURES:

- ① wall studs
- ② roof rafters
- ③ ceiling beams



WHAT YOU CAN EXPECT FROM WORKING WITH US:



Quick response to your inquiries

Technical support and guidance across all project phases



Focus on meeting the very toughest your requirements

Manufacturing speed and flexibility



On-time product delivery

Support throughout the entire project lifecycle



WE ALWAYS READY TO WALK THE EXTRA MILE!

**WE KINDLY INVITE YOU TO
CONTACT US WITH ANY
QUESTIONS REGARDING
OUR PRODUCTS OR NEW
PROJECTS.**



LVL and I-JOIST factory:

Ryto g. 6, Menčių km.,
Naujosios Akmenės kaimiškoji sen., Akmenės raj.,
LT-85271, Lithuania

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