



GLUED LAMINATED

# TIMBER



ECO-FRIENDLY BUILDING MATERIAL  
FOR INDIVIDUAL CONSTRUCTION



# COZY HOUSE

What should it be like  
for a comfortable  
Life?

durable  
warm  
eco-friendly  
reliable



made of Russian  
**GLUED  
LAMINATED TIMBER**



# Glued Laminated timber

GLULAM™ International title

GLUED LAMELLAS

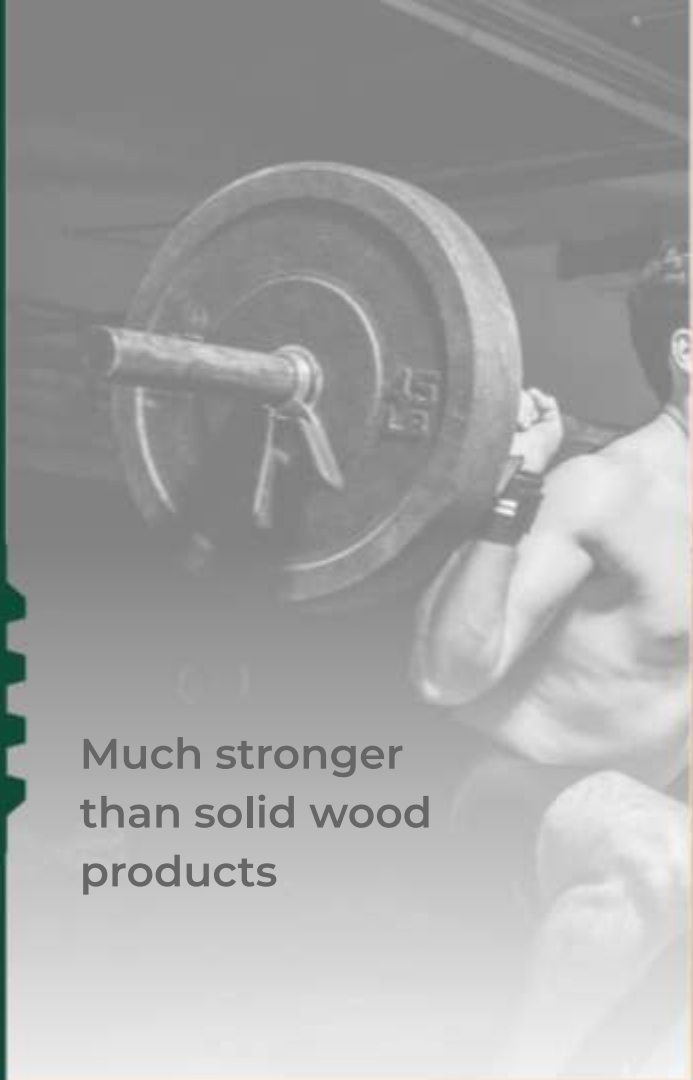
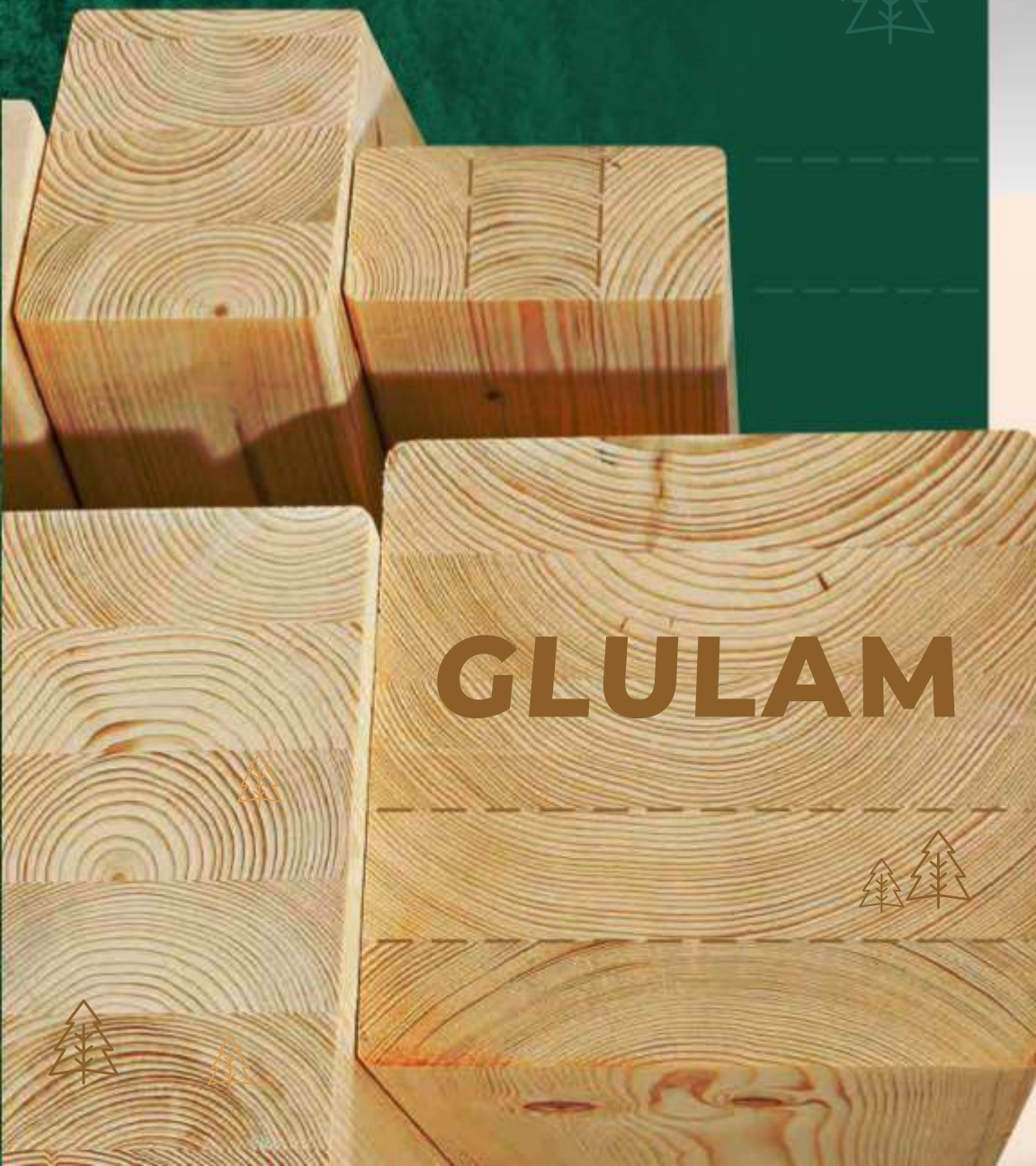
Glulam is a material made of wooden defect-free boards (lamellas) glued together

It began to be produced in Finland, in the 1960's

Glulam is used in wooden house building of varying complexity and scale, as well as in the production of joinery — windows, doors, stairs, railings, window sills, furniture

*Selection of practical homeowners!*

Energy efficient,  
eco-friendly  
and safe



Much stronger  
than solid wood  
products



Excellent heat saving  
and soundproofing  
due to fit tightly  
and spike joints



Spark resistant  
Burns on with direct fire  
influence only (up to ten  
minutes)



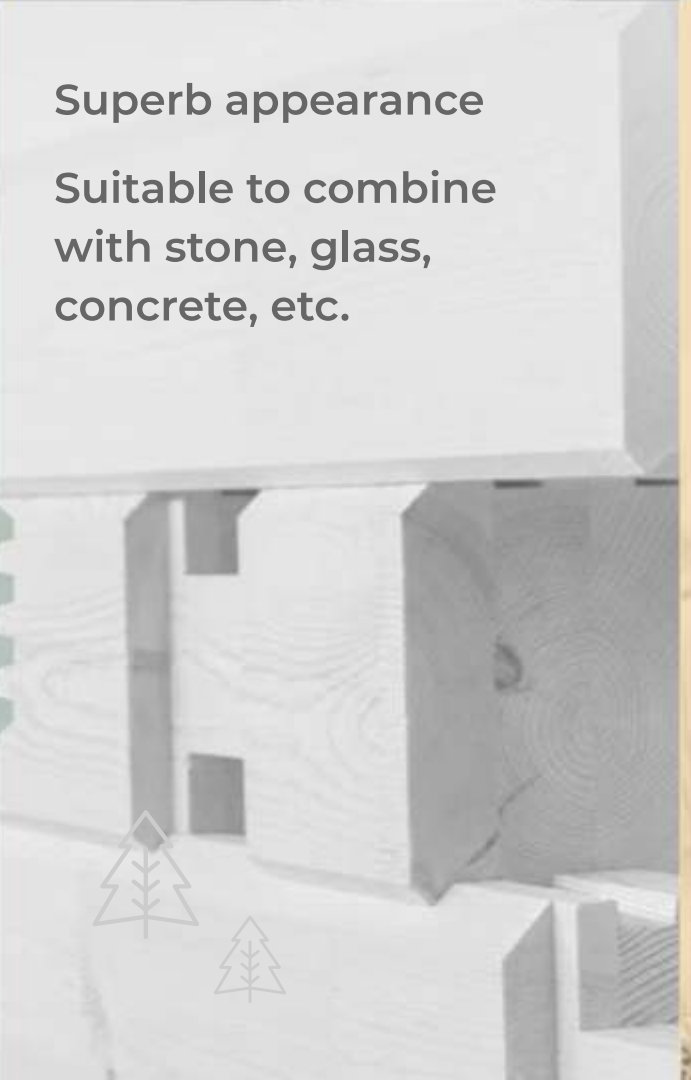
Doesn't require cutting  
down trees near the  
construction area



Retains its shape  
and size over time  
No shrinkage



Waterproof  
and weather-resistant  
Protected from fungus  
and bark beetles



Superb appearance  
Suitable to combine  
with stone, glass,  
concrete, etc.



More architectural  
techniques with  
49 ft (~15 m) long  
boards



## Making of Glued Laminated timber Mouldings for Construction House Building

**5** acres (2 ha)  
of production space

**40** permanent  
staff

**26** yd<sup>3</sup> (20 m<sup>3</sup>)  
of timber per shift

**314** yd<sup>3</sup> (240 m<sup>3</sup>) volume  
of drying kilns

**GLUED LAMINATED TIMBER**

**PLANED BOARD**

floorboard, boarded ceiling

**LINING**

**JOIST**

**SIMULATED TIMBER**

## About us

Woodworking Plant 'Babaevsky' is a major Russian manufacturer of glued laminated timber and houses made of it, as well as components for construction. The plant has been successfully cooperating with raw materials suppliers and building contractors since 2000. It runs on modern German high-precision equipment and produce up to 655 yd<sup>3</sup> (500 m<sup>3</sup>) of glued structures monthly

Only the highest quality Vologda softwood is used in the production

The plant makes products of both standard and individual sizes

We can glue lamellas with a total length of up to 49 ft (~15 m) without additional fastening

There is a strict quality control throughout the production. All products comply with Russian standard GOST for softwood lumber



## Drying complex Mühlböck-Vanicek

Four automatic drying kilns  
Capacity 65, 78 yd<sup>3</sup> (50, 60 m<sup>3</sup>)

24/7 non-stop drying process

288 yd<sup>3</sup> (220 m<sup>3</sup>) boards with a section  
of 2 inches (50 mm) in 6 days

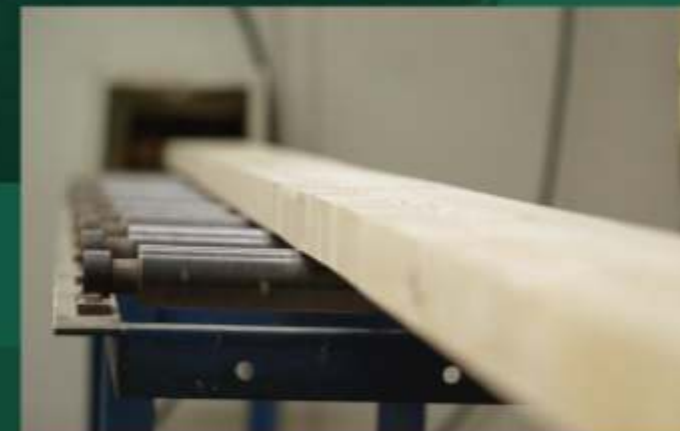


## Planing machine **Weinig Unimat 500** Cutting machine **Weinig OptiCut S 90**



Calibrating all boards sides to uniform size  
and geometry. Eliminating wood defects

Rejection of boards with large cracks



## Spike jointing machine **Weinig Ultra 2**



Double-sided spikes cutting.  
Coating with two-component glue

Lamellas are brought to uniform  
overall dimensions before gluing



## Hydraulic press

Joining lamellas up to 49 ft (~15 m)  
long using a hydraulic press

The compression power is set  
depending on the section  
of the materials to be glued

Max. 12 bar (12,2 kgf/m<sup>2</sup>)

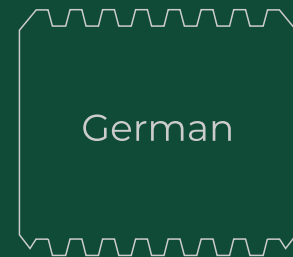




## Milling machine **Weinig Unimat 30 EL**



Standard timber cross-sections:  
min 3 x 3.5 in. (80 x 90 mm)  
max 11.8 x 24 in. (300 x 620 mm)



German



3 spike  
Finnish

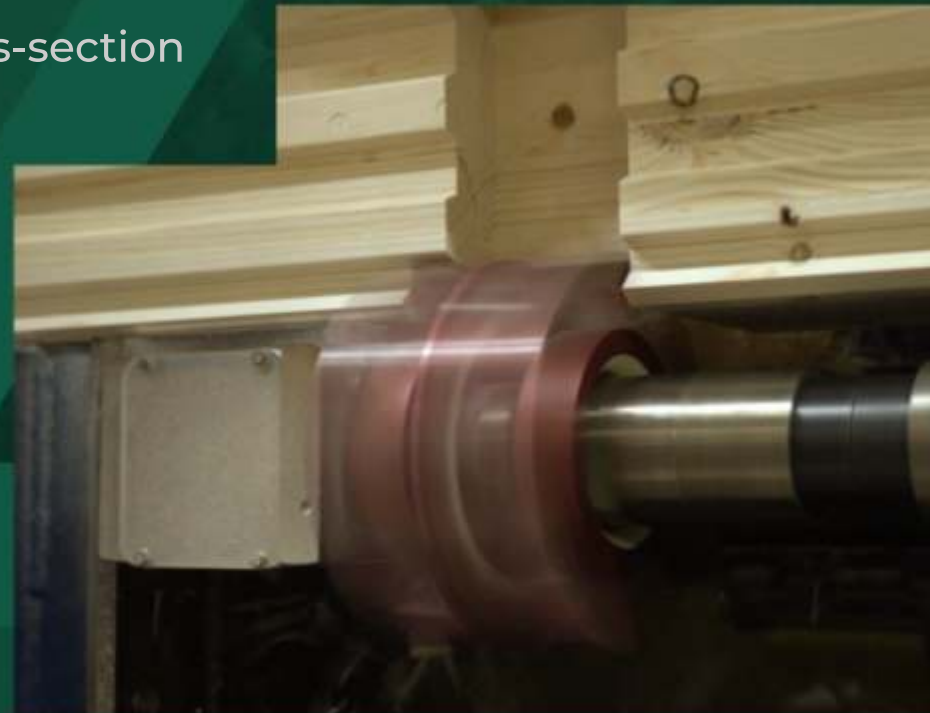


4 spike  
Finnish



Standard  
for use with  
thermal  
insulation

It is possible  
to manufacture profiles  
of non-standard cross-section



## Saddle notch cutting machine **KRUSI C4x4**



The timber is segmented into parts according to the specification. Saddle notches, holes, grooves, corner and assembly joints are cut

A timber with a width of 3-4.7 in. (80-120 mm) is perfect for baths and summer guest houses, more than 6.3 in. (160 mm) for all-season houses

Standard heights: 5.3, 7.3 in. (135, 185 mm)

## Some of the Houses we Built



Look for more projects  
on [babaevodok.com](http://babaevodok.com)

It is possible to build a house from glued timber in a few months and immediately live in it. The house almost no shrinkage and do not require external and internal finishing

You can find out the cost and buy a house kit throughout the year

See the details on the next page to contact us

## Shipment

The plant ships its products under Incoterms

**FCA** Free Carrier

**CPT** Carriage Paid to

**FOB** Free on Board

**CIP** Carriage and Insurance Paid to

**DPU** Delivered Named Place Unloaded

**CIF** Cost Insurance and Freight

**FAS** Free Alongside Ship

**CFR** Cost and Freight

**DAP** Delivered at Place

## Contact us

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 full production cycle

 natural raw material

 a broad size range

 quality control

  
WOODWORKING PLANT  
BABAEOVOK

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