



LEDINEK - ENGINEERED TIMBER - TURNKEY PRODUCTION OF CROSS LAMINATED PANELS

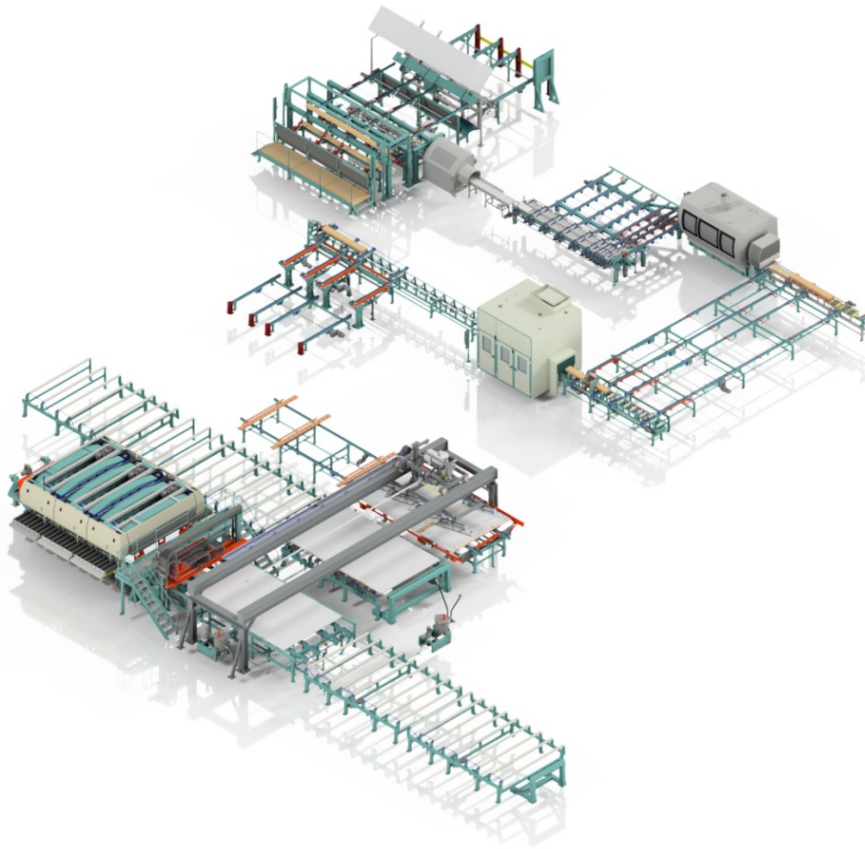
## Turnkey production of cross laminated panels

We are pleased to share the news of a successful cooperation between two outstanding Slovenian companies. LEDINEK, a leading manufacturer of advanced woodworking machinery and technologies, has recently successfully delivered a complete production line for cross-laminated panels (CLT) to Stilles d.o.o., based in Sevnica. This cooperation represents an important milestone in the Slovenian wood processing industry, as it is the first such production line in Slovenia.

Stilles, known for its quality and innovative furniture production, has entered a new era of production with this new acquisition. With the help of the high-tech Ledinek line, Stilles will be able to produce cross-laminated panels of the highest quality, which are a key building material for sustainable and environmentally friendly construction.

The new production line incorporates state-of-the-art technologies that enable the timber to be processed with precision and used to maximum effect. This means not only improved production efficiency, but also reduced waste and a higher level of environmental awareness. With Ledinek's equipment, Stilles will be able to produce robust and aesthetically sophisticated cross-laminated panels that meet the highest standards of modern construction.

Company: **Stilles d.o.o.**  
Location: **Sevnica / Slovenia**  
Timber species: **Spruce**  
Capacity: **7,500 m<sup>3</sup> / per Year**



## AREA A – Finger Jointing Line

1. Tilt table for wood unloading
2. Moisture measurement
3. Manual marking station for defect identification in wood
4. Device for removing boards from the line
5. Cross-cut saw for defect trimming
6. Feeding system for the finger jointing line
7. Eurozink COMPACT 800 – Finger jointing machine with a capacity of up to 6 pieces/min
8. Curing storage – 1 level
9. EUROPLAN 4V+4F-S40 planer for lamellas
10. Stacking device for package formation

## FACTS

- Cross-laminated timber panels: up to 6 m x 3.5 m x 0.36 m
- Production capacity: up to 7,500 m<sup>3</sup>/year

## AREA B – Cross-Laminated Timber Production

11. Manual placement of longitudinal and transverse lamellas
12. Roller conveyor for intermediate storage of longitudinal lamellas (3 layers)
13. Alignment station for the longitudinal layer
14. Cross chain conveyor for intermediate storage of transverse lamellas (2 layers)
15. Alignment station for the transverse layers
16. Vacuum unit for assembling panels for longitudinal and transverse layers
17. LEDINEK PUR (single-component polyurethane) adhesive application system
18. Robust, fast-moving aluminum table with PE coating for CLT panel assembly
19. X-PRESS 6 – Press for cross-laminated timber with pressing pressure up to 0.8 N/mm<sup>2</sup>
20. Unit for longitudinal transport of cross-laminated timber panels with outfeed conveyor

- Production capacity per shift: up to 30 m<sup>3</sup>/shift
- PUR adhesive for high production performance
- High flexibility of the production process

## Video

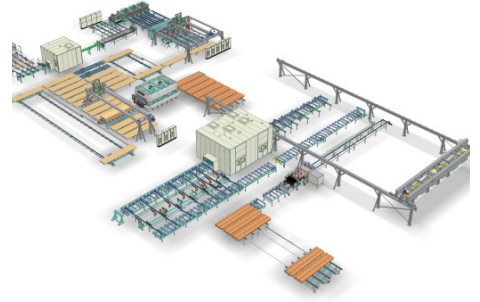
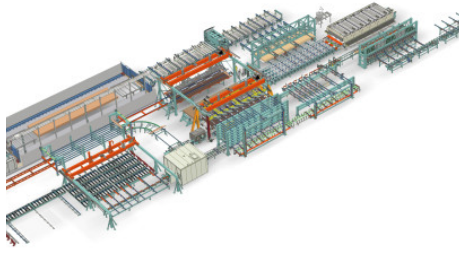
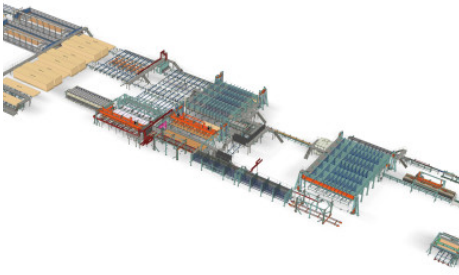
## Photo gallery





 Ledinek X-Press  
Broschüre

## Related products



## ► Volume CLT production line in Sweden

After the first pilot plant for the CLT production, Södra Building Systems made another bolt move and build a big volume plant.

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## ► Arboreal: the only Mass Timber Plant in Uruguay and one of the largest in Latin America

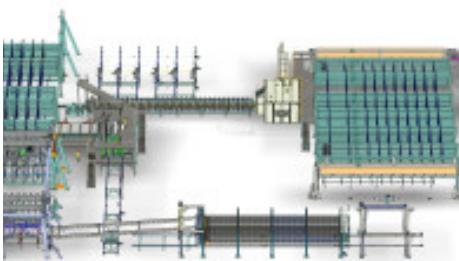
The introduction of the Arboreal project in Uruguay marks a significant milestone in the construction and environmental sectors of Latin America. As of early 2022, Uruguay is home to the region's first large mass timber factory

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## ► Standard cross laminated timber plant in Portugal

The company Arolla Lda invested in a plant for the production of standard CLT elements with widths of 120 and 125 cm and produces mainly for its own projects and for the local market.

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## ► Cross laminated timber plant at Ante in Germany

Another company in the Central European timber industry sets the course for the future. From now on, the ante Group produces CLT elements for walls

and ceilings under the HBS  
Berga brand.

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