



The reliable brand!

# Customer Success Story

CUSTOMER  
**Klaus Timber a.s.**

MATERIAL  
**Residual solid wood  
from pallet, crate and  
lid production**

SHREDDER  
**LR1400 with a rated  
capacity of 2 x 22 kW, a  
45° machine frame and  
2 rows of blades**

THROUGHPUT  
**2 t/h < 30 mm**



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*“We are extremely satisfied with all three of our UNTHA shredders. They have exceeded all our expectations with regard to reliability, performance and longevity and run exactly as they did on their first day. The cooperation with UNTHA and our partner AC Word was flawless throughout, from the planning stage, all the way to the acceptance of the machines on our part.”*

- Mr. Marcel Klaus (CEO)

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## The Customer

Klaus Timber a.s. is among the largest manufacturers of wooden pallets in the Czech Republic and employs around 200 people at its three sites. The largest company premises (3.5 ha) are located in Dvorec and process around 65,000 m<sup>3</sup> of sawn timber for pallet production every year.

## The challenge

Following the expansion of production capacities to include single-use pallets, crates and lids, the company was looking for a high-performance shredding solution to process residual solid wood from their production process. The machine would run in two shifts and shred the residual wood to a fraction size of less than 30 mm. As the machine would be permanently used for residual wood, a throughput of 2,000 kg/h was required.

## Shredding solution

The decision was made in favour of the high-performance LR1400 with a rated capacity of 2 x 22 kW. The shredder was fitted with a second row of blades to achieve the required throughput rate of 2,000 kg/h and is fed via two conveyor belts. To enable loading via a wheel loader, the unit was also fitted with a large hopper. The customer opted for the 45° machine frame to increase the filling volume of the shredder. The wood chips are taken to a bunker via a trough chain conveyor, where they are used for heat production and for operating a drying chamber.

## The purchasing decision

Klaus Timber a.s. is a long-standing UNTHA customer and already operates 2 UNTHA shredders across its sites (LR630-15 kW with more than 19,000 operating hours and LR1000-30 kW), both of them purchased via our Czech sales partner AC Word. Due to the high level of reliability and longevity of the existing machines, it was decided to invest in the high-performance LR1400 as part of the expansion of production capacities.

