

LADENBURGER
Bopfingen Aufhausen / DE

REFERENCE
01.19

5 %
Capacity increase



Together we make your project a
Story of success



1 Mio.
solid m³ logs/year



Gap optimization
increases capacity

Advantages due to chainless system
in combination with dynamic gap control.

HOLTEC

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LADENBURGER

HOLTEC



Courage to leave a gap...

Dynamic gap control increases capacity

Where people are surrounded by wood, there is a pleasant living climate and inspiring moments. We shall respect this like Holzwerke Ladenburger does for more than 75 years now. In Bopfinger-Aufhausen and at four more production sites in Germany, employees of the family business take care that wood in all its rich facets can be experienced by all people. The respectful treatment with the natural material includes a modern machine technology which allows to work on the highest level and which brings out the full charm of the wood.

Holzwerke Ladenburger have made themselves a name at international level by innovative ideas for solid construction timber (KVH) as well as by continuous expansion of possible uses of the multifaceted natural material. The range serves nearly every requirement – the weatherproof terrace board or the wooden ceiling absorbing the noise.

The performance of the company is at first formed by the team of employees and by the latest technology. With a complete production capacity of 800.000 m³, Holzwerke Ladenburger is one of the leading companies in Europe.

Due to the continuous extension of the further processing and the higher demand of timber, Ladenburger decided to do some optimizations in the sawmill. Part of the modification was the junction point of the lines before the sawmill. Malfunction times and the gap between the logs had been examined. After all, the junction point between both infeeds as well as the acceleration area before the sawline were determined as being the bottleneck.

To optimise these points, Holtec received the order in September 2018. The feeding and the gap between the logs had to be adapted to the feed rates. Ladenburger was very convinced of the tried and tested chainless-concept as well as the GapControl.

As the sawing line presents the core of each sawmill, it was more than important to Ladenburger to plan the installation and the procedure exact to the hour. Often, modifications like these, are compared to operations at the open heart.

The optimising of the system begins with the tandem feeder which is driven by cranks with electric motors. Then the logs are transported from the cross transport to the first logrunner. Mr. Häußlein (General manager of Ladenburger Kerkingen) said, that the enormous advantages of the Holtec logrunner are shown at this point. By placing the rollers in a V-form the logs are accelerated as soon as they have the first contact with the rollers. By the low feeding height and the effect that the logs are "caught" in the V, the slipping is reduced to a minimum.

If the logs are accelerated to the demanded speed in the first rollerway, the gap is exactly measured at the transfer to the second rollerway. By the rollers driven in single groups, the gap can be enlarged or reduced. This process can be repeated three times with the given length of the rollerway. At the transfer to the Linck sawing line the gap corresponds nearly to the gap demanded by Linck. This process describes the optimisation made by Holtec – type GapControl.

Thanks to the exact planning and agreement with the whole project team, all targets could be met in time and with regard to the capacity at full satisfaction of Ladenburger. Mr. Häußlein reported that the capacity data show the enormous advantage of the system optimization by Holtec.



” The capacity data show the enormous advantage of the system optimization by Holtec.

Steffen Häußlein
Managing Director Ladenburger Kerkingen “



Proud of the overall result f.l.t.r.
Steffen Häußlein (Managing Director Ladenburger Kerkingen),
Florian Schruff (Project Engineering Holtec),
Daniel Engel (Engineering and Sales Holtec)