

Plane storage system TLF210 Intelligent logistics for powerful saws



Now in **3D**

woodStore 5.0
storage control

Intelligent logistics for powerful saws

Take your benefit from the TLF210, a plane storage system that unites power, speed and innovations. The standard interfaces enable easiest links to HOLZMA saws of the series HPP and result in cutting centres for highest demands.





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TLF210 - and success has a name, yours!

The TLF210 is the „small“ storage of the top class! It unites power, speed and innovations. The TLF210 is logistics of the new generation - well-established BARGSTEDT technology for an unbeatable price.

Ideally combined - as cutting centre with a saw of the HPP series from HOLZMA

The intelligent interfaces of the TLF210 are the ideal solutions in combination with a HOLZMA saw. Whichever HPP saw is linked, the storage increases the capacity of the saw and that every day. So, each combination harmonises perfectly in size, capacity and speed.



We transport without disturbances, no matter which panel

The long lasting experience makes the difference. As every storage system from Bargstedt also the TLF210 is equipped with the well approved monitoring system for a failure-free panel transport. Whether for example MDF raw boards with 3 mm thickness or heavy 250 kg boards - we transport every material and that safe.



Optimization and simple operation from whatever terminal

The high-capacity combinations are perfectly coordinated in communication. Hardware and software speak one language. The results are storage saw combinations that increase the production capacity from the first minute.

You can only benefit!

The performance, speed and capacity for innovation of the new TLF 210 bring tangible benefits which are immediately noticeable! This reliable, fully automatic panel-handling system significantly cuts labour costs and quality costs. And more: the short cycles of the storage system exploit the capacity of the saw to the full, allowing you to increase your production capacity by up to 40% – every day. Thanks to this remarkable potential for optimisation, an investment in the new TLF 210 breaks even in under twelve months!

Your benefits at a glance

- **more flexibility**, due to best possible usage of available storage space
- **a rise in productivity**, because short handling times and higher material throughput achieve a 40% increase in saw utilisation
- **high material yields**, due to maximum utilisation of both new panels and offcuts
- **faster job processing**, due to free choice of storage removal positions in the store
- **significant rationalisation effects**, due to optimised, fully automated production cycles

Reduction of the utilized capital from storing up to sawing

- Material use is coordinated with the ordering system and the order planning
- Low capital commitment by means of stock-keeping as needed
- Low resource consumption by means of automatic offcut management

We optimize the storage area and help you saving useful production space

- Each stack position in the storage can freely be selected as pre-removal position! This results in more space in the storage!
- At ours the scissors co-rotate! Also at 90° rotations the boards can be arranged optimally and be deposited without space loss.

The TLF210 organizes the logistics so that the saw can work optimally

- From the storing position up to the saw is fully automatic stored, sorted and transported
- High current personnel costs are reduced
- Dead times at the saw are omitted by means of the continuous work flow



Benefit from the possibilities that HOMAG Group offers you

- Project planning and service from one source
- Interoperable, standardized interfaces
- Harmonized financing concepts
- Attractive performance classes for all sizes of enterprise

When it is about our customers we play it safe

The work safety of our customers and their employees is as important for us as the guarantee of a safe handling. For this reason our machines are inspected according to the highest safety standards. Each industrial disruption caused by missing safety concepts affects the production and costs money.

Simple, fast and modular - woodStore 5.0

The storage control „woodStore“ sets benchmarks even in the BasicLine of the new version 5.0.

The appealing 3D optics offers even more comfort and make the operation of the storage a child's play.



BARGSTEDT

woodStore 5.0



Storage control with many possibilities and high transparency

Due to the lot of new functions and an easier operation customers now can even simpler control the storage and use the optimisation potentials. Even the standard version contains ist Easy2Work that possesses new and established functionings in a particular user-friendly 3D view. The high compatibility of the software makes the storage control transparent and provides operation there where it is needed.

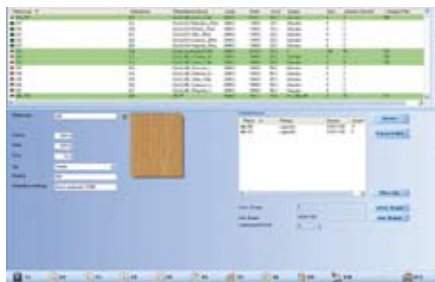
The new surface provides a high degree in safety due to...

- appealing 3D optics for more operational safety
- the convenient decor photo to each panel
- virtual view of all stack positions in the storage
- maximum transparency and control of stock
- intelligent adjustments for panel handling

And much more!

View

- When selecting and entering part numbers or panel codes the matching decor photo is shown for each board

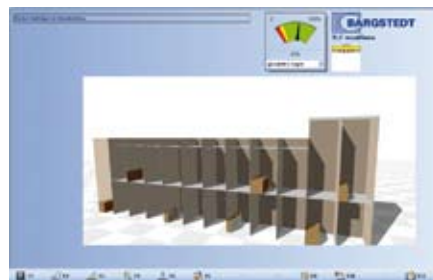
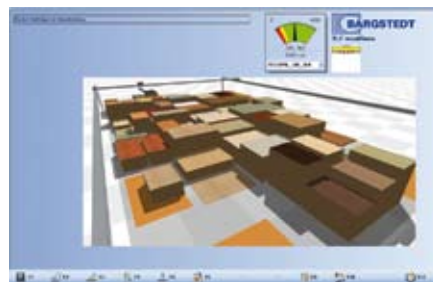


Infeed

- Now, even more overview - each stack is completely shown tridimensionally incl. base board, cover board and fixed edge
- Errors excluded - The entry of stack data is quite simple thanks to the new 3D view

Stack

- The virtual view of all existing stack positions in the storage enables it - „Fly“ virtually through the storage and look at each material stack true-to-life in 3D!
- Maximum transparency and control of the stock

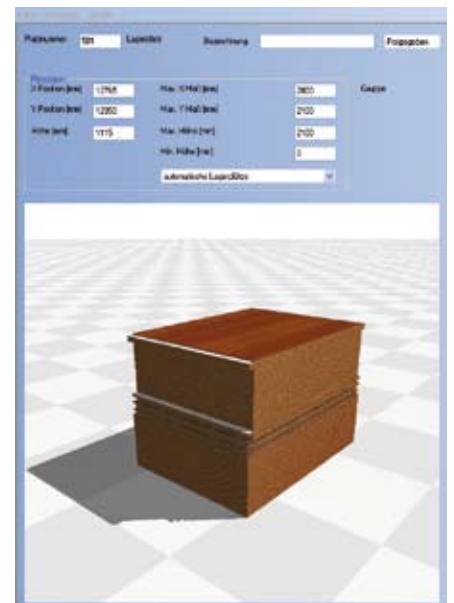


OffCut-Assist

- Optimal material yield from the new part up to offcuts
- Management of manually stored offcuts in realistic display
- Simple creation, display and print of removal lists
- Traffic light for part identification (red: Board already planned; Green: Board available)

Input

Using the new data template enables an easy definition of new boards. Therefore, panel dimensions and material codes have to be entered only once. All other parameters are automatically calculated by the software. The best: Even tolerances of the supplier in the board weight are automatically determined and the ideal adjustments for panel handling independently calculated by the storage system.







A lot of time for the important things

Do you have to deal with tight delivery times to that you are delivering your high quality products? Does the process planning permanently „run outside“ in order to see which material is still existent? Or do your customers change ad hoc the order despite tight delivery times? Then the consequences are far-reaching! Delivery times are hard to keep, working processes are getting restless and countless overtime hours affect the productions costs and the motivation of the employees.

If that sounds familiar it is time for a **storage system TLF210!**

You have the choice. Whether in combination with a HPP saw of the series 2 or a HPP saw of the series 3. You can only benefit! The TLF210 unites all advantages of the decades of experience of BARGSTEDT. With less than one year payback time the TLF210 is well-engineered, intelligent logistics for an especially attractive price. The success can be measured immediately! The capacity of the saw is increased. You will save personnel and quality costs. Your order processing will be more flexible, faster and more economical. The best however: **The TLF210 saves a lot of time for your important things!**

Storage-saw combinations

Ready for integration: HOLZMA saws from S to XXL

For a long time, storage-saw combinations were only available to industry. However, efficiency and optimised processes are playing an increasingly important role in the craft sector, too. Catering to this growing need, BARGSTEDT and HOLZMA are now offering powerful storage-saw combinations at very attractive entry-level conditions – for instance for the smallest, and therefore lowest priced, HOLZMA panel saw, the HPP 230. As for larger systems, there's practically no ceiling. Ask your HOLZMA sales partner; he will be pleased to configure an ideal custom solution for you.



The ideal team - the new BARGSTEDT TLF 210 storage system and the HPP 230 panel saw from HOLZMA

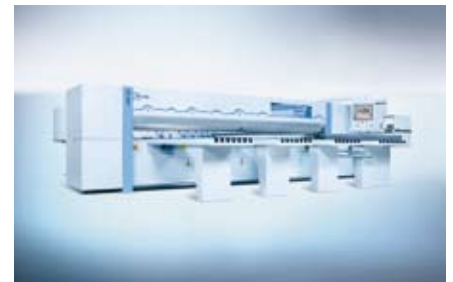
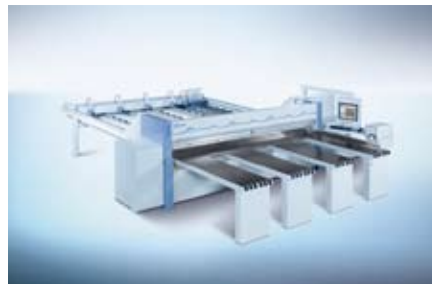
- BARGSTEDT and HOLZMA will be launching this new storage-saw combination at LIGNA 2011.
- The two models harmonise perfectly in terms of size, performance and speed. Hardware and software speak the same language.

Storage-saw combination that...

- reduces costs
- optimises the material flow
- provides up-to-date information on current stock levels
- handles material gently
- is ergonomic, saves time and eliminates errors

ecoPlus: Modernst technology for min. 20% energy savings

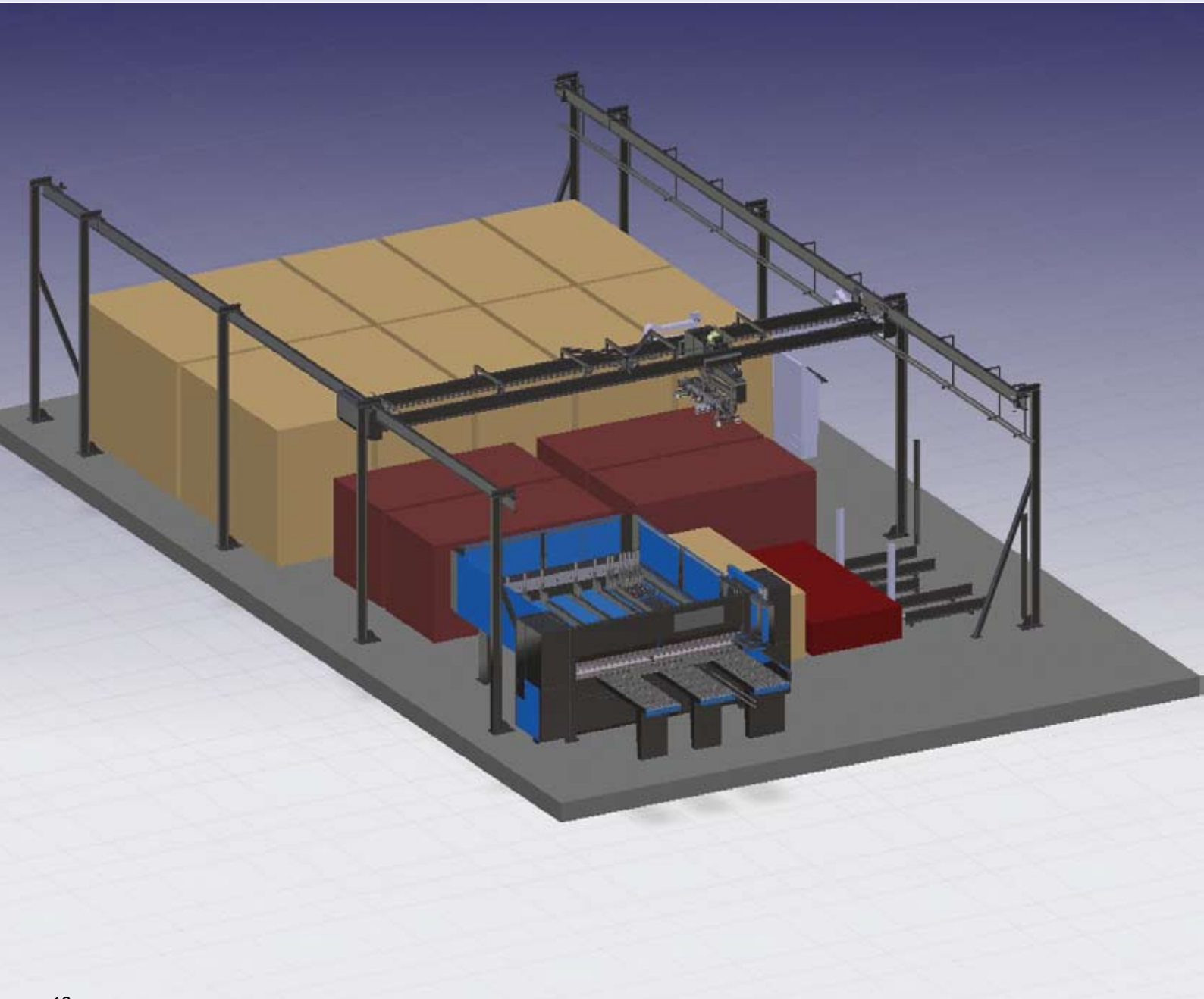
- All models are equipped with energy motor for supervision by customer
- reducing energy need thanks to optimized aspiration
- HOLZMA thin cut saw blades can be obtained optionally



**HOLZMA saws from S to XXL,
HPP saws from series 2 to 4**

Custom-made individual solutions

Size, capacity and equipment: Here are the main data of the plane storage system TLF210 and the HPP saws of the series 2 and 3. You want to get further information? Simply ask your Sales partner.

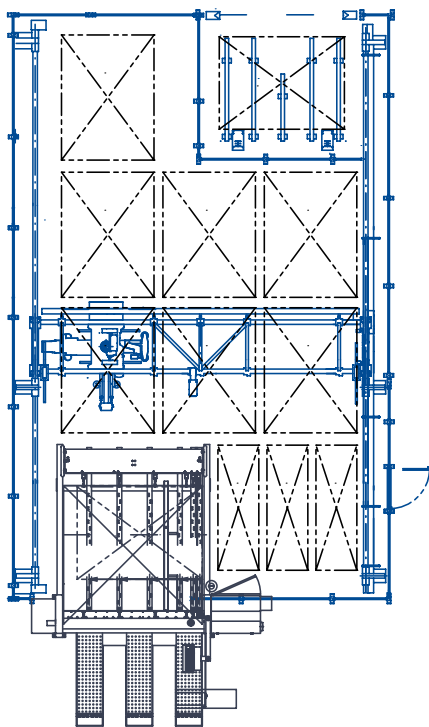


Using a plane storage system optimizes the material flow and enables an efficient use of resources.

An example:

The customer has a saw for boards of various kinds. These boards have to be brought to the saw. For the transport of a board of 2070 x 4100 mm and a weight of approx. 90 kgs are needed two employees and another one for the operation of the saw.

If the customer worked with a BARGSTEDT storage system he would only need one employee for the transport and the cutting. And could, depending on the operating grade of his operating machine, process more boards at the same time with fewer personnel.



Technical data BARGSTEDT TLF	Basic machine	with additional devices
Travel path	10.000 mm	50.000 mm
Range	5.000 mm	12.000 mm
Beam speed	60 m/min.	110 m/min.
Carriage speed	80 m/min.	130 m/min.
Lifting device speed	30 m/min.	45 m/min.
Workpiece length	2.000 - 4.200 mm	1.200 - 4.200 mm
Workpiece width	800 - 2.200 mm	min. 800 mm
Workpiece Thickness boards raw min.	from 12 mm	from 3 mm
Stacking height	2.100 mm	2.100 mm

Technical data HOLZMA HPP *	HPP 230	HPP 250	HPP 350	HPP 380
Saw blade overhang	55 mm	75 mm	80 mm	95 mm
Cutting length, -width	3.100/3.800/4.300 mm	3.200/3.800/4.300 mm	3.200/3.800/4.300 mm	3.200/3.800/4.300 mm
Feed speed program fence	40 m/min.	60 m/min.	90 m/min.	90 m/min.
Feed speed saw carriage	5-60 m/min.	1-100 m/min.	1-150 m/min.	1-150 m/min.
Working height	920 mm	920 mm	920 mm	920 mm
Air cushion tables	3/3/4 x 2.160 mm	3/3/4 x 2.160 mm	3/3/4 x 2.160 mm	3/3/4 x 2.160 mm

* Basic machine



Energy and resource efficiency inclusive

The more efficiently companies deal with resources the higher value creation they will achieve with their products. With the storage systems BARGSTEDT offers its customers logistic solutions which optimize the whole material flow between supply and operating machine, maximize existing resources and use it efficiently.

Increase of the process stability

- Simple and safe handling of the boards with high variety of sorts
- No production interruptions due to missing material
- Quality control - suppliers and goods receipts can clearly be related to the finished product

Optimization of the production process

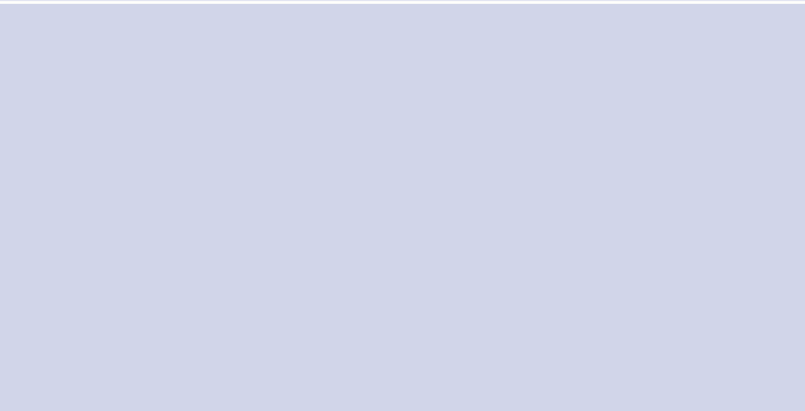
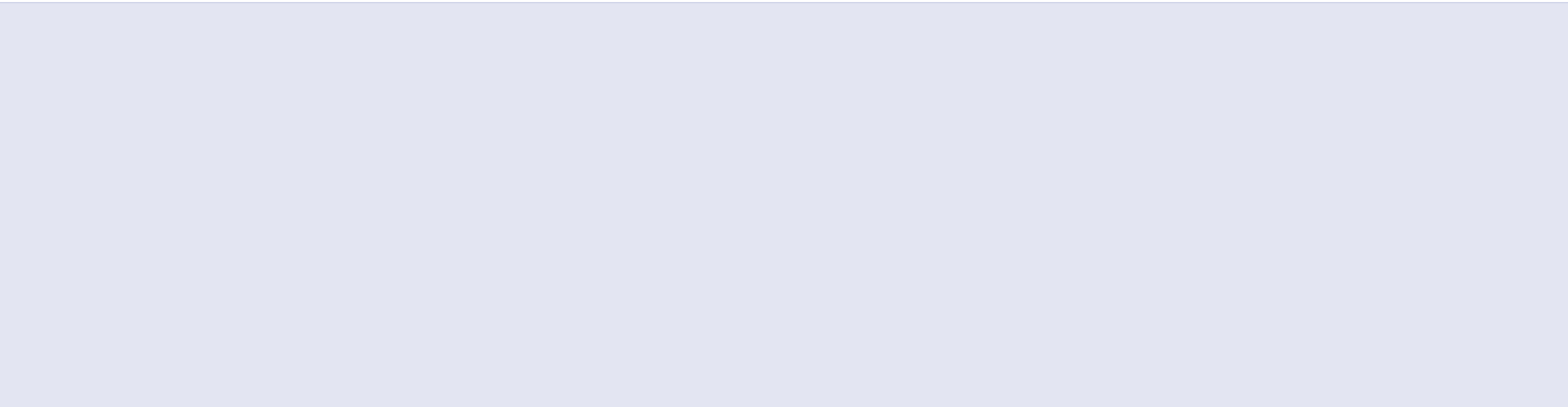
- The material handling will be optimized - only those quantities are stored that are needed within a conceivable time.
- Not needed stocks will be reduced - material consumption is coordinated with the purchasing and the order planning

Closed resource circulations and

- Reduction of delivery times enables a just in time purchase
- An optimum off cut handling reduces the material costs

Infrastructure operation without losses

- Personnel resources are saved -cutting and material provision are decoupled from each other
- Automatized transport provides a high capacity utilization of the operating machines
- The whole material is administrated not only the existing stock



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