



Press News

IntelliStore and the New Holzma 3 Series Saws Deliver Strong ROI

At W10 last October Homag's demonstration of the Bargstedt IntelliStore automated panel storage system, coupled with a new Holzma 3 Series (HPP 380) saw, set minds racing with the level of production efficiencies that can be achieved in a bespoke product environment.

The idea behind IntelliStore is to maximise productivity and minimise downtime in the area of low batch volume production. Small and large companies, who specialise in low batch volumes, using high variants of board types, colours and sizes, find that this system is a real money saver.



Simon Brooks, sales and marketing director for Homag UK takes up the story, "Not only does IntelliStore reduce the floor area that is required for stock, but it also improves the yield from the saw because it is the software that controls the output from the device, rather than having to rely on the operator to keep feeding the machine at the optimum rate.

“The storage and retrieval system was designed by Bargstedt over fifteen years ago as an intelligent stock control system for almost any panel product. It is widely used across Europe already and as production demands change from repetitive volume to small batch order quantities, it is becoming more and more attractive for manufacturers in the UK.

“IntelliStore can be used as a stand alone stock management system. It can be used to automatically create rainbow stacks for delivery to separate factories (a great tool for board suppliers) or alternatively it can be combined with, and completely integrated into, a production cell. This system can be used for sizing panels using a Holzma beam saw or for nesting boards using Homag or Weeke CNC routing systems. IntelliStore can even feed multiple saws and routers in the same cell.



“The heart of the system is Bargstedt’s IntelliStore software. This unique but easy to use software controls the whole system and is used to manage stock control and to replenish and optimise the stock levels. The IntelliStore control registers the complete material stock and calculates the optimal material flow according to daily production requirements.

“Each board type has its own ID number and once this is entered into the system, no manual intervention is required from there on in. Material cutting plans are transferred from the office directly to the Bargstedt system and it automatically picks the required products in the chosen sequence and feeds them to the saw or nesting CNC (or both) at exactly the right time. While the

sizing machine converts the board into the required parts, IntelliStore continues to manage stock. It sources the next job that is required and delivers it to the saw or router before the cutting cycle is completed, providing total efficiency.

“The IntelliStore system is perfect for production companies who work under the constraints of variable batch runs using many different board colours. All the sorting of board materials to optimise the daily work schedule are performed automatically in a much condensed floor space, and no fork trucks or operators are required for moving boards around the factory. IntelliStore can even operate under ‘lights out’ conditions, meaning the system can earn you money whilst you enjoy your free time.

“The really smart thing about IntelliStore is that *it* drives the machine output, not the operator – this significantly increases productivity and efficiency” concludes Simon.

Key benefits of the system are:

- Tight control of material stock levels
- Automatic stock replenishment process
- Much reduced floor space requirements for board storage
- Improved machine efficiencies
(the system drives the saw or CNC output not the operator)
- Reduced manpower levels
- Extreme flexibility
- Efficient and automatic selection of one off products
- Automatic off cut management
- Reduced material damage
- No manual handling – health and safety benefits

The New Holzma Series 3

The new Holzma 3 Series saws integrate perfectly with the IntelliStore system and offer an impressive return on investment. Holzma has further enhanced its 3 Series ecoLine technology, saving around 20% more energy than the previous models. "This is a remarkable feat, considering that the last generation already offered outstanding energy savings," claims Simon Brooks. "To achieve these improvements, the designers focused their attention on the extraction system and all the pneumatic and electrical elements.



"At first glance, this technical redesign is easy to overlook, but is noticeable as soon as you see the speed and cutting quality. The range has an entirely new saw carriage design; the designers, however, have maintained the low working height of the air tables at the ideal ergonomic height of 920 mm - this minimises bending thus protecting the back of the operators.

"Further advances to the integral design of the new 3 Series have resulted in massively increased output. The brand new saw carriage offers significant benefits in processing speeds compared to other saws and provides a maintenance free guiding system. Holzma is convinced that the new 3 Series is the most efficient machine on the market.

“Another great new feature from Holzma is the in line automatic label printing system. This unit sits inside the cut line and automatically labels the panels as they are cut. Advantages include faster application, accurate positioning of the label, less operator intervention and therefore increased efficiency.

“In total, the new 3 series comprises five saws: the HPP 350 and HPP 380 single saws, the HPL 350 and HPL 380 single saws with lift table feeding and the HKL 380 angular system,” summarises Simon.

For more information about how the IntelliStore system and Holzma 3 Series can save your business money and improve efficiency, please contact Homag UK on 01332 856410.

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