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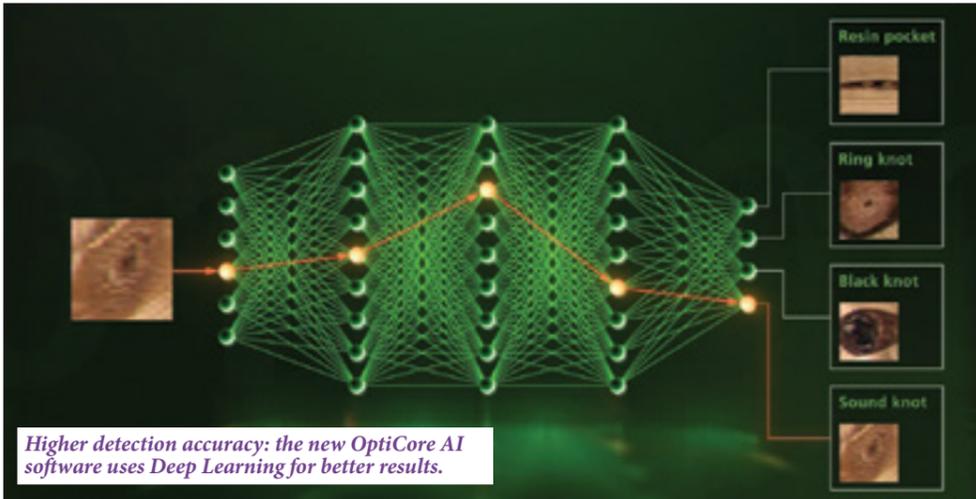
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AUGUST 2019

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## MAXIMISE PRODUCTIVITY & INCREASE OUTPUT



SCANNER technology can significantly maximise productivity and increase output. The new CombiScan Sense series offers tailor-made solutions at a high-performance level.

The Weinig LuxscanLine scanners are known worldwide for their reliability, accuracy and flexibility.

With the new CombiScan Sense the scanner specialist set new benchmarks in four side wood defect detection at LIGNA.

This scanner series is based on a single platform, adapted for all applications in solid wood manufacturing.

By adding various software modules and optional sensors to the base model, you can extend the scanner to the ideal optimizing machine.

The CombiScan Sense can be combined with various Weinig machines for cross-cutting, ripping and sorting.

The new scanner features the powerful OptiCore AI Software. The newest generation of the software uses an image processing method based on Deep Learning, a class of Neural Networks from the field of AI, to automatically analyse and identify wood defects.

This results in a higher detection accuracy, improved detection repeatability with changing wood characteristics and reduced set-up time.

Based on the exact board data obtained during image processing, OptiCore allows programming multiple qualities and zones tailored to your final product requirements.

This means that almost all customer requirements can be taken into account and virtually any type of end product can be manufactured.

The quality of the sensor technology is the key to efficient scanning. Not only does the CombiScan Sense have faster cameras

for better length resolution, but its high-resolution cameras also provide excellent width resolution, which ensures optimal detection of all kinds of wood characteristics, including 3D surface defects.

Weinig's well-known dual scatter solution consisting of one line and one dot laser remains. This enables a highly accurate fibre analysis and ensures an optimal cutting position, as it is required especially in fingerjoint applications.

The CombiScan Sense uses four specially positioned lasers to detect flat, non-vertical cracks. This so-called Angle Crack Module (ACM) provides crucial additional information for the detection of wood defects that are difficult to identify.

The X-ray add-on features a completely redesigned low-power X-ray unit, which means that separate cooling is no longer necessary. The X-ray sensor identifies defects based on density differences.

This option is not only useful for rough, or dirty surfaces, but also for wood species with large colour variations. It can be used for density measurement and strength grading.

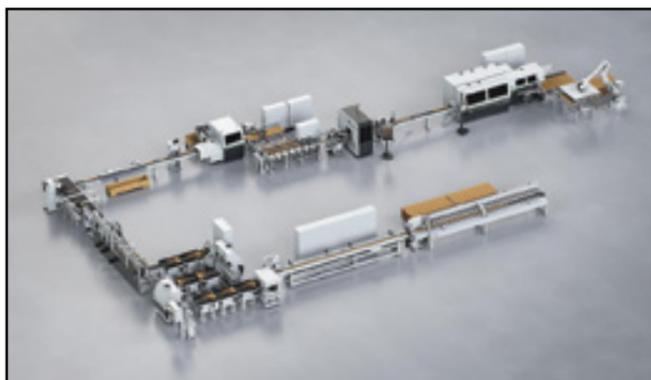
Due to the advanced frame structure of the new CombiScan Sense, both the X-ray sensor and the Roughness+ sensor for unplanned areas can be combined for all-in-one scanning solution.

In addition, the improved random width module can run up to 60 boards/min. The optional, automatic camera positioning ensures maximum quality even in high-end applications and minimises operating errors.

The new CombiScan Sense can be effectively integrated into lines for various wood applications.

The range of applications extends from combining the scanner with a cross-cut saw, or a rip saw to a complex production line with several scanners.

A pre-configured model variant is available for cutting, ripping and sorting. Designed as a modular system, the Weinig LuxscanLine scanner can be adapted to changing requirements at any time by exchanging or adding sensors.



Offering a wide range of applications: the CombiScan Sense can be effectively integrated into complex lines. Here is a Weinig System Solution including a moulder, scanner, cross-cut saw and fingerjointer.

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# CABINET VISION

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# FERWOOD PROVING ITSELF TO BE UP FOR THE CHALLENGE

WHEN sourcing a brand-new machine, you get the benefit of being able to pick the exact specification you want, but what if you could do exactly that with a pre-owned machine for a fraction of the cost that could also be delivered and installed on a much shorter lead time?

Commercial furniture manufacturer and start-up business, Fusion 10 Joinery, challenged Ferwood to source and install a specific machine in just five weeks and the reconditioned machinery supplier did just that.

'We knew the exact machine we needed to start our commercial joinery business,' says senior project manager, Lee Oldroyd.

'From our experience in the sector, we knew we needed a versatile CNC that could work with a wide range of materials, including Ply, MDF, Trespa, Corian and HI-MACS solid surface. It needed to feature cam and pin operations, offer precise routing, work with curved formers, include an offline programming system and have a bed size of 10ft x 5ft.

'On top of that, we needed to work within a limited budget and for the machine to be delivered and installed quickly. We knew that it was a tall ask, but we were not willing to settle for anything less,' says Lee.

Lee knew his demands wouldn't be easy to fulfil, but he needed the right machinery to start his project. With its established machinery partnerships and a global sales network, Ferwood's reputation as a leading used machinery specialist led Lee to their door:

'I worked with Ferwood many years ago and my previous

'The engineer was brilliant and really helpful,' says Lee.

'He was with us all week and trained the team on the fundamentals of the CNC. The process ran like clockwork and the introduction of the CNC machine has already helped us win time-sensitive contracts.

'In under 12 months, we've reached a turnover of £800k and we expect to reach £1.5m within two years. This couldn't have been achieved without investing in good quality machinery.

'Some people dismiss used machinery before looking into it, but before making your next machinery purchase, why not challenge Ferwood to find you your ideal machine?

'On this occasion, we simply wouldn't have been able to afford a new machine with the specification we needed, but even if our budget had been larger, we would always consider buying second-hand.

'Similar to purchasing a new car, it will lose much of its value as soon as it's turned on. If you're confident with the service you get from your used machinery

supplier, there are many great benefits to buying a used CNC,' concludes Lee.

For further information tel Ferwood on 0113 286 6689. Visit [www.ferwoodgroup.com](http://www.ferwoodgroup.com)



employer purchased three CNC machines from them. I knew that they had strong links to the industry and that their product knowledge was second to none,' says Lee.

'I was right to give them a call. Not only did they have the means to source the kind of machine I was after, they had the exact specification I needed - and in budget - already in stock in their Italian factory. What I thought was going to be a challenge, turned out to be a very simple process with Ferwood,' says Lee.

The Wakefield-based joinery company purchased a Weeke BP 145 machining centre, which offered them the flexibility to create bespoke, one-off pieces, as well as work quickly and efficiently on larger projects for the commercial sector.

'From that initial call, we had every confidence in Ferwood and the services they could offer. They were honest and upfront about everything - exactly how a sales team should be. They gave us a breakdown of the three servicing brands available to us and talked us through the machine's specification. The whole process was made really simple,' says Lee.

For prompt delivery, the new business opted for a "Ferwood Functional" machine, which saw the CNC function tested by a Ferwood specialist prior the installation process and a video of the machine in action sent to Lee and his team to make sure that they were satisfied with how it performed before it was shipped.

The Weeke CNC was installed on time, with introductory training given on site.

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# CABINET VISION GIVES STYLECRAFT MORE TIME WITH ITS CUSTOMERS

## Traditional Cabinet Making with Modern Technology Advantages

AN Irish kitchen and bedroom specialist says that Cabinet Vision software has slashed the time taken to manufacture all the cabinets and doors for a single installation, from days to just a couple of hours.

In addition, the company puts the time saved to a different use from the way most companies would – with enhanced customer service.

Stylecraft Kitchens & Bedrooms works mainly with end-user customers and architects.

Director, Paul Phillips says that the state-of-the-art software means that they can combine traditional cabinet making with the advantages of modern technology.

'It saves us so much time with manufacturing. It also means

available to us to ensure that the positive customer experience is something to be remembered,' says Paul.

He says that Cabinet Vision has been one of the biggest drivers in moving the company forward, in years.

'When the recession ended, we looked at how we could start moving the business forward again. Cabinet Vision was the solution.

'In the beginning it was just something that interested us, that we thought could be advantageous. It very quickly became absolutely essential. We'd be quite anxious now if the computer wouldn't switch on in the morning,' says Paul.

They went down the CNC and software route to improve standards and explore new opportunities and saw instant benefits.

'For the first time it enabled us to visualise everything we were doing, including joints and construction methods.

'Even now, we're using it more and more every week, doing new things. In addition, we are currently working with the Cabinet Vision support team on developing a range of new products, including new doors and cabinets,' says Paul.

Now, all of their products – whether they be in-frame oak, ash and tulip wood kitchens, or carcasses for their contemporary and classic ranges – are designed with their Cabinet Vision Solid Ultimate module and the NC code is then sent by Screen to Machine to the Cosmec CNC router, which was purchased in November 2017.

One of the early benefits was peace of mind, meaning that they were no longer worrying about the time frame to complete a project.

He says they quickly became more relaxed about it, knowing that the machine would run constantly for the duration of the job, turning everything out in a short space of time and guaranteeing product quality every time.

'I can also work on something in Cabinet Vision a short period of time before I need it. Previously I'd have to think about something two, or three days beforehand, but now I simply send the code out to the CNC router within minutes of starting a new cabinet, or door.

'Before using Cabinet Vision I didn't realise the lack of limitations it has. It can do so much more than I originally thought. It's been a complete revelation to us, from previously cutting everything on the panel saw, to now producing precision parts that are 100 per cent accurate every time in a shorter time frame.

'Cabinet Vision ensures that the lines that you see when the doors and cabinets are installed are absolutely perfect: for example, a 2.5mm margin will be exactly that all the way round,' says Paul.

Labels are also printed through the software. As an example he cites reverse machining on doors, saying that when the front nest has been machined, labels are created and a portable bar code scanner reads them for the reverse machining.

'Moving ahead, we look forward to the eagerly awaited software update with improved graphics that will mean we will be able to design, price and manufacture using Cabinet Vision,' says Paul.

Concluding, he says that three other companies have invested in Cabinet Vision on his recommendation.

And another company is going to look at the latest release.

'If he likes it...which I'm sure he will...he's planning to buy his first CNC router. That is the impact Cabinet Vision is having in the Irish woodworking business,' says Paul.



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**WMSA**

that we can now make so much more ourselves, so we no longer have to buy components in,' says Paul.

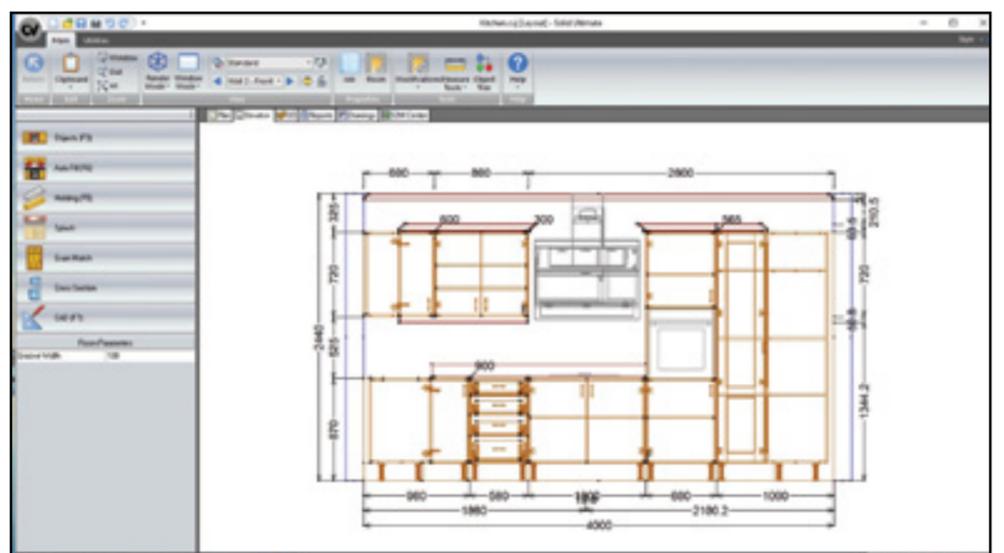
'This saves considerable administration time, as we don't have to place orders with suppliers for those items,' he adds.

Previously, the company also suffered from added time pressures, as door deliveries could take up to six weeks, with further delays if design changes were made.

'While we may have been making a number of kitchens each week using the panel saw, we could now produce many more. However we didn't necessarily want to do that. Instead, we invest a great deal of the time it saves us, with our customers and creating new designs.

'We now have extra time

For further information tel Cabinet Vision on 01189 756084. Visit [www.cabinetvision.com](http://www.cabinetvision.com)



# SPEEDING UP PRODUCTION WITH LAMONT

GEORGE Nicholson of Braewick Partnership set up business in 2009 on the island of Shetland. His main business is the manufacture of "polycrubs" a particular form of polytunnels (<http://www.nortenergy.co.uk/>), which are peculiar to the island.

They can be manufactured at the rate of one a week with one completed approximately every three weeks, with the weather being an important factor. He can also turn his hand to the manufacture of anything, such as gates and house refurbishments, as the need requires.

George recently purchased a Lamont matrix table for its advantages in speeding up his production and in ensuring a perfectly square product.

'I had six gates to make and not enough sash clamps to do it. By the time I would have bought enough, I would have spent a quarter of what the Lamont matrix table costs to buy.

'I felt it was best to buy the matrix table and have it for ever more rather than continually buying clamps, of which you would never have enough.

'I had a corner in the workshop where I could set up the machine without any problems: it is very space saving. It does not limit anything you do and it is easy and quick to use.

'Most of the work I do on my own: when you have glue and lots of gates and need to glue them up and clamp quickly before the glue goes off, it is much easier to do it with the push of a button with the Lamont matrix table,' explains George.

#### George chose Lamont as his supplier as:

'It was about the easiest one to find on the internet. I did speak to some one else, who had a second hand one coming, which I could have had in three weeks, or I could buy one from Lamont immediately.

I chose to go for Lamont. I could not find any bad reports on the internet; he is located in Scotland and the price was right.

'I spoke to Alan [Lamont] on the telephone and he is a very genuine fellow: that is important when buying tools. I know if I call him, I will receive an answer from him quickly and it will be the right answer. He will always see you right,' says George.

As well as the gates for which the matrix table was originally purchased, George used the clamp to make a toy box for his six-month old nephew as a Christmas present: the clamp held the box while it was glued up.

#### George sums up the advantages of the Lamont matrix table thus:

'It saves space, it is easy to operate single handed and is guaranteed to be square. That is a very big thing, as the gates are not complicated, but there is a lot in them and everything is very tight, so once you have got them all cramped up to move them would take a bit of effort.

'By having Alan's machine I know it is square in two directions, down and across: it has to be square as his machine is square. It is a very good piece of machinery for that type of operation,' explains George.

#### When asked if he would recommend it, George replied:

'Yes, no problem. It has a lot of power to do the job. With sash clamps you feel you are getting a bargain, but you can't get any pressure. This machine has a good amount of power behind it.

'The company is very swift and easy to deal with: it was a pleasure to deal with Alan. If he said it was going to be delivered on Thursday, it was ready to be delivered on Thursday. That was Alan's way of saying thank you very much for the business.

'It was a great help, as here in Shetland you know it has to be in Aberdeen at a certain time, or it is not going to get on the boat that night and it might spend the next few days in Aberdeen at the back of a shed: machinery and equipment can get stuck in Aberdeen for a week if there are other things in the shed in front of it. Knowing it

is on its way when it says it will be is very much appreciated.

'We have not had any problems yet, but I am sure that anything that does arise can be sorted over the telephone. Alan would send up to anything required with no hassle. He always seemed to be very keen that you got the right machine you needed. He was very genuine and went out of his way to explain the differences between each machine he had. It is his name that is on the machine, so he has to be good!' concludes George.

For further information tel Alan Lamont on 01461 40017.  
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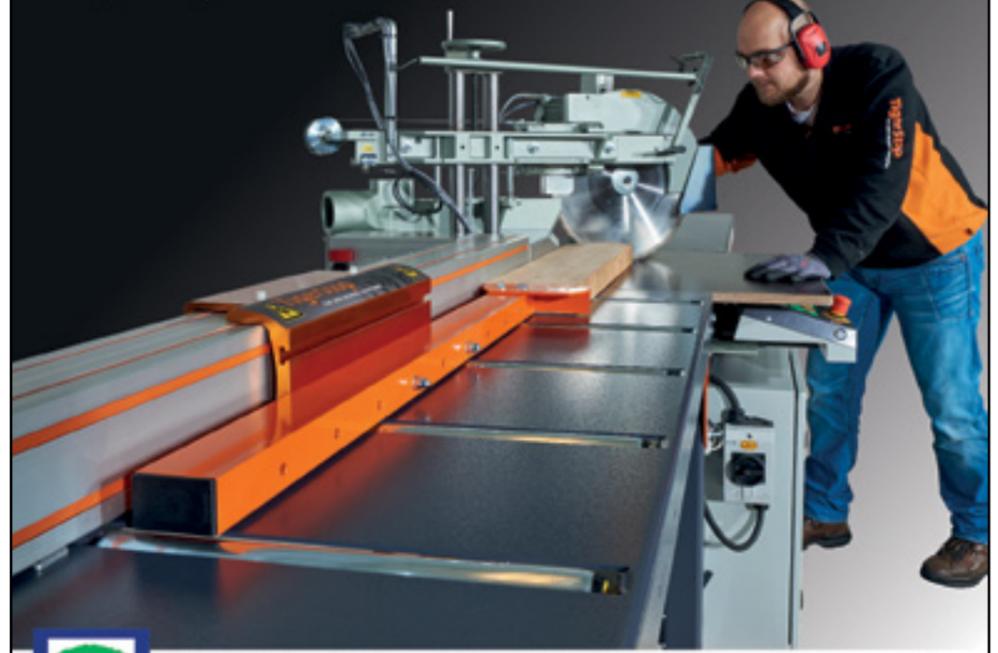
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# WEARING A T-SHIRT IN WINTER ALL THANKS TO WOODWASTE TECHNOLOGY

THE Cheshire Kitchen Company has purchased a new wood waste heater from Wood Waste Technology to save money on waste disposal and heating.

Director, Matthew Smith had heard good things about wood waste heaters, so started to undertake some research. He soon realised that, by investing in a wood waste heater, he could burn all the wood offcuts generated from the joinery workshop, plus all the packaging and cardboard waste, so he would no longer need to hire a skip each week, saving the business between £600-£800/month.

In addition, the business would save money on heating, as the 5000ft<sup>2</sup> workshop had to be heated by electric heaters in the cold winter months.

'Once we started to crunch some numbers, we realised that it just made sense. Some months the combined cost of heating and waste disposal could cost the business almost £2,000 and we realised that this expense could just disappear if we invested in a wood waste heater, so we contacted Wood Waste Technology to organise a site survey and quote,' explains Matthew.

After reviewing costs and performance,



the business purchased a WT10 heater, affording sufficient spare capacity should a decision be made to extend the business premises at some point in the future.

The heater was installed into The Cheshire Kitchen Company's manufacturing unit by Wood Waste Technology's experienced engineers.

'Having now experienced life with a wood waste heater, I can't understand why all wood waste generating businesses don't have one.

'The heater makes the workshop lovely and warm, so we've gone from working in multiple layers to being able to work comfortably in T-shirts even during the coldest months, plus we're saving a huge amount of money by reducing our waste disposal and heating bills,' enthuses Matthew.

'There aren't many things you buy that deliver everything that the salespeople promised, but our wood waste heater certainly has! The whole process has been hassle-free, from obtaining a quote to the installation and delivery. We would highly recommend the products and team at Wood Waste Technology!' says Matthew.

'Whatever the primary reason for

purchase – heat or waste disposal, a wood waste heater is a cost effective and productive solution for companies that generate waste wood and some companies get pay-back on the investment in less than 12 months,' says Woodwaste Technology's managing director, Kurt Cockcroft.

Wood Waste Technology's years of expertise in wood waste solutions have helped many companies reduce their waste disposal and heating costs. As well as offering site survey, design, manufacture, installation and on-going maintenance for new units, the company also services all

types of wood waste heaters and supplies genuine spares up to 60 per cent cheaper than other suppliers.

In addition, Wood Waste Technology is the UK official distributor for Gross Apparatebau GmbH, a German manufacturer of dependable, precision engineered shredders and briquetters, available in various size and specifications to suit all business applications.

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# THE WEINIG GROUP AT RELIABLE PARTNER

THE leading technology provider for solid wood and panel processing presented itself in Hanover with the brands **Weinig and Holz-Her** on an exhibition area of over 5,000m<sup>2</sup>.

Under the motto "THINK WEINIG", the Weinig Group presented over 55 machines and systems in action to trade visitors in Hall 27.

Following the excellent trade fair results from 2017, the expected further increase that had been anticipated was certainly achieved at LIGNA 2019.

Weinig relies above all on its complete range for industry and trade.

In the field of solid wood processing, the focus was on innovative technologies with a high customer benefit.

The common thread running through the current portfolio is modular solutions with maximum efficiency for any batch size.

The top trend towards digitization focuses on demand-oriented solutions that are consistently geared to the development status of the companies.

A central feature of Weinig's trade fair appearance was systems competence. Under the heading of integrated machine concepts, a complex system was shown with interconnected components over almost the entire value chain.

A wide range of single machines with intelligent operating concepts and interfaces to the standard Weinig 4.0 digital completed the Weinig presentation.

In addition, software tools for each process step from profiling to packaging were shown.

From its comprehensive range of services, Weinig devoted a good deal of space to the Weinig LifeTime Services and the engineering unit Weinig Concept at LIGNA 2019.

## The new top-of-the-range model of the Powermat series

The Powermat 3000 sets new standards in the high-performance sector in terms of operation, set-up and safety. High flexibility coupled with Weinig's signature machining precision make this machine a winner.

The Powermat 3000 has been developed for industrial applications where high quality is key. In terms of machine performance and spindle technology, it is currently unmatched in its class.

Depending on the application, it can be operated at speeds of up to 12,000rpm.

Thanks to the PowerLock tool holders with hybrid ball bearings for a long service life and jointers, it can achieve an excellent multi-blade finish up to a feed speed of 100 m/min.

The straight and profile jointers follow the radial adjustment of the spindle, thus making manual repositioning unnecessary.

Several patent-pending features highlight just how much potential for innovation there is with this new product. This includes the system for permanent monitoring of the temperature at the spindle bearings.

If a defined threshold value is exceeded, the machine is automatically switched off. This means superior production safety.

With the Comfort Set operating concept and other components, such as PowerLock and CNC-controlled axes and guide elements, the Powermat 3000 has options that make handling significantly easier and provide a degree of flexibility that is unusual in this machine class.

All of these features make the Powermat 3000 a machine for

a powerful performance combined with economical production in an industrial environment.

## A new solution allows for contour milling during throughfeed

Be it conical, curved, or 3D decor, the Powermat 2400 3D can tackle even the most demanding applications with ease. It can achieve it with four-sided processing.

Innovative, creative applications are the "bread and butter" of the Powermat 2400 3D.

In order to serve these applications, the moulder is equipped with the Alphacam software, which allows the design of three-dimensional work pieces and the creation of a CNC program.

Two of the upper spindles are used for axial and radial 3D structuring. Controlled spindles from the right and left make it possible to produce workpieces with a wide variety of contours and small radii.

High performance can be achieved through machining during throughfeed. Part recognition ensures optimum precision. Machining can be simulated in advance.

On the contour milling spindles, the Powermat is equipped with the new Weinig temperature monitoring system, which guarantees maximum production safety.

## A new addition to the Hydromat series

The Hydromat 3000 comes with very resilient machine technology that is perfectly suited for use in multi-shift operation and for the production of products with a high linear production output. It is a robust powerhouse for pre-planing, or profiling work using hydro technology.

The outboard bearings and tools with HydroLock technology that Weinig has now developed even further make operation very user friendly. With this system, the grease gun is replaced with an Allen key in everyday use, thus simplifying tool changes and reducing set-up time.

In addition, the Hydromat 3000 impresses with a robust machine stand and a strong feed system, both designed for feed speeds up to 100m/min.

The 100m/min version features large feed rollers with a

diameter of 170mm. These transport the work pieces through the machine in a safe and reliable manner.

Furthermore, the Hydromat 3000 is designed for integration into other systems and allows connection to peripheral devices, such as a mechanisation system, but also to Central System Control.

## New Hydromat 4300 for the high-performance sector

As the quickest in the series, the Hydromat 4300 makes it possible to achieve excellent results when planing and profiling up to a feed speed of 300m/min.

This new Weinig product represents everything you need from a high-speed machine all rolled into one: a solid design, a strong feed system and HydroLock technology with excellent performance potential.

A distinguishing feature of this high-speed machine is the feed



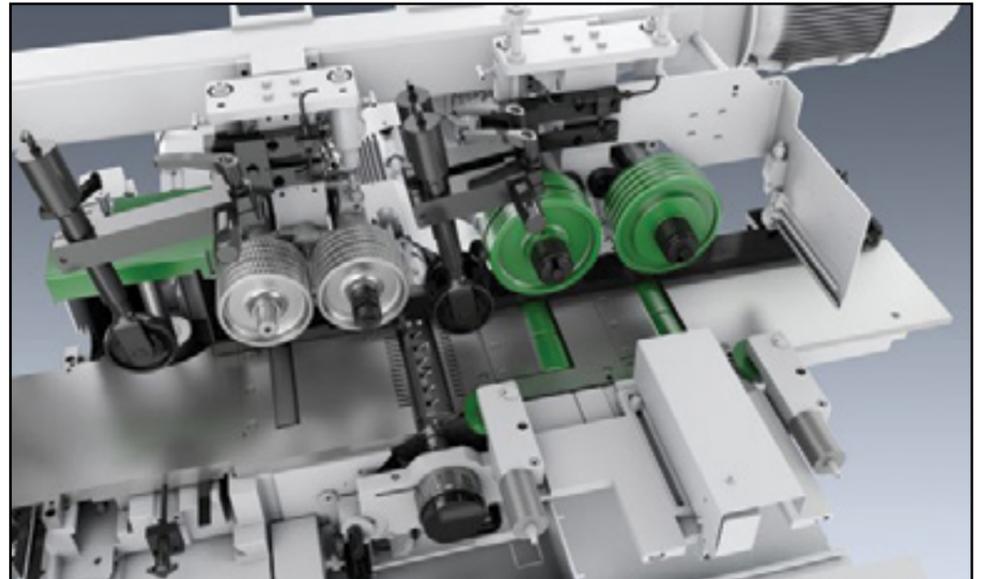
*With the OptiCut 550 Quantum, Weinig is raising the bar for fully-automated cross-cutting and optimization.*



*The top-of-the-range Powermat 3000 sets new standards in the high-performance sector in terms of operation, set-up and safety.*



*With the Comfort Set operating concept and other components, such as PowerLock and CNC-controlled axes and guide elements, the Powermat 3000 has options that makes handling significantly easier and provide a degree of flexibility that is unusual in this machine class.*



*On the Weinig Powermat 3000 there is the option of having a heavier version featuring a four-roller infeed with two opposing roller pairs.*

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# LIGNA 2019 PROVES A IN TIMES OF CHANGE

system with individual drives, as well as the feed rollers and table rollers, which each have a diameter of 250mm.

Strong spindle drives and heavy pressure rollers also allow the production of top-quality products, both with four-sided planing and with profiling.

The new WMC (Weinig Machine Control) system allows the user to view all relevant production data on a central dashboard.

## New Conturex Artis Window Center for small workshops

Weinig has expanded the Conturex CNC series with a compact

centre. Conturex Artis offers all the highlights of this successful technology, together with cutting-edge innovation.

The aim of the powerful new basic solution Conturex Artis is to maintain and improve the competitiveness of small workshops in a rapidly changing environment.

With a capacity starting from seven window units/shift, this machine is positioned below the previous entry-level machine, the globally popular Conturex Compact.

In terms of the technology, the Artis has all the features that have made the current CNC series so successful. In addition, the machine offers the user limitless options in terms of window systems.

The Conturex Artis comes with a four-axis main spindle. However, it can also be equipped with an additional universal spindle upon request.

In the standard configuration, the machine is designed for lengths from 175mm to 3,500mm and it can process work pieces up to 4,500mm, if required.

A tool magazine with a mandrel length of 290mm and a 50-slot tool holder offer sufficient capacity for extremely flexible and economical order processing.

One of the stand-out features of the Artis is the PowerGrip RePos Easy clamping table. The patent-pending reclamping process enables variable part clamping and automatic movement of the work pieces on the machine. Work pieces remain clamped throughout the manufacturing process, thus achieving maximum precision.

For complex clamping situations, RePos easy also allows clamping in the fold. The process is particularly suitable for slim profiles and new architectural window systems. All in all, small workshops will certainly benefit from maximum flexibility when using the RePos easy.

## The new Conturex Vario S for flexible industrial CNC production

These days, the window and furniture production market is characterised by challenging custom solutions.

However, if high throughput is still required, Conturex Vario S provides the answer.

One particularly special feature of this fully automated Weinig powerhouse is the PowerGrip Motion 2D/3D folding clamp system.

It provides significantly more flexibility, especially when producing narrow profile systems and round arches, as well as when performing partial milling for system construction.

Weinig CAM, Weinig SIM and Weinig Solid WF are the perfect software modules for programming, simulating and monitoring work pieces.

The fact that the Conturex Vario S allows direct part transfer guarantees the highest workpiece quality.

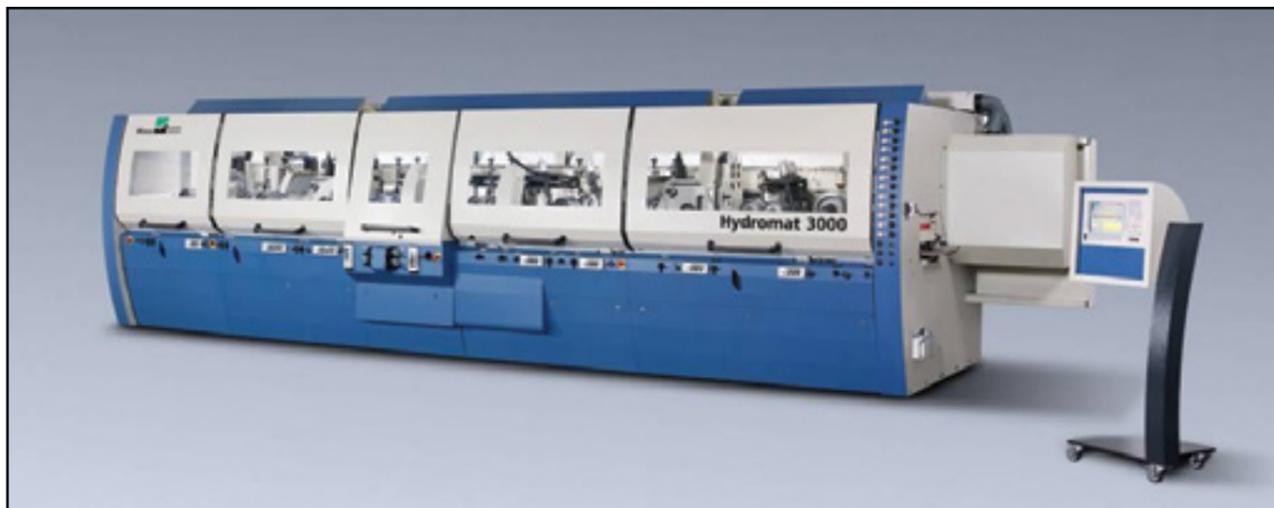
The new working width of up to 330mm means that everything is covered, even for future products.

Thanks to the four-table process, output is significantly increased, especially for short parts.

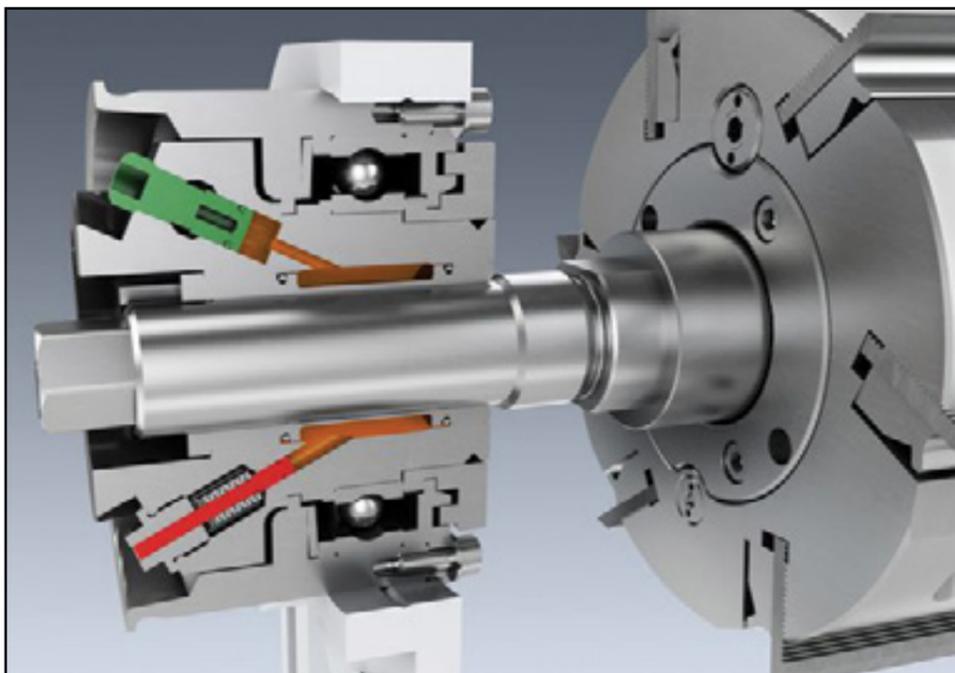
A 2 x 24-slot pick-up holder and an external magazine with 90 slots are available in the tool area.



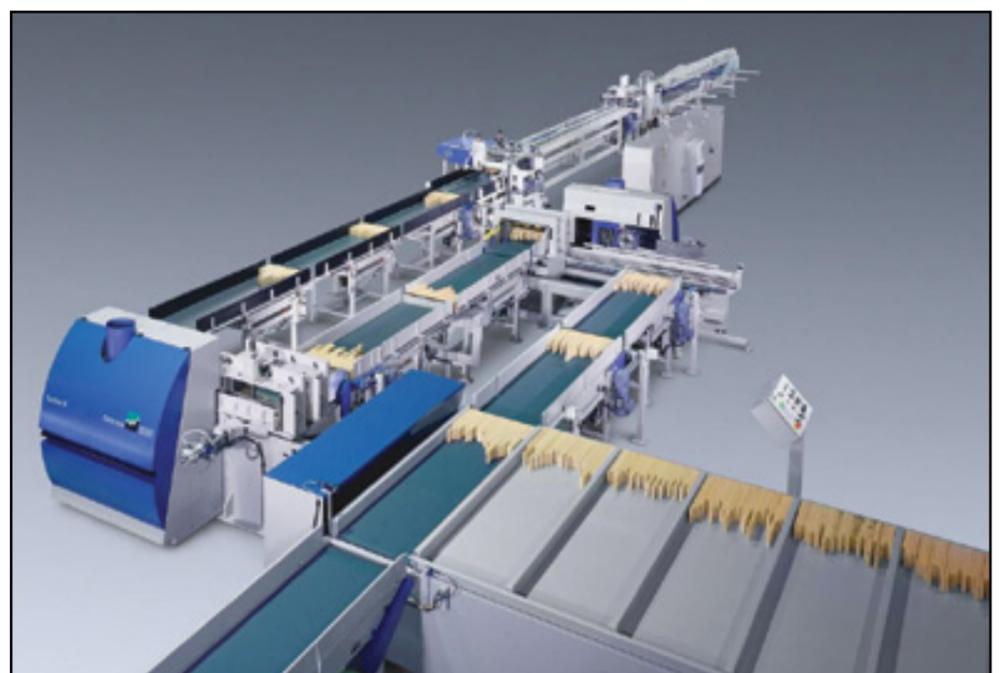
The new business unit "Automation & Digital Business" presented the current version of the Weinig App Suite, alongside live demonstrations in Hannover. One of the features of the App is real-time monitoring. All functions are now additionally available as a browser application.



Weinig's Hydromat 3000 comes with very resilient machine technology that is perfectly suited for use in multi-shift operation and for the production of products with a high linear production output. It is a robust powerhouse for pre-planing, or profiling work using hydro technology.



Patent pending: the new Weinig Hydrolock outboard bearing technology that Weinig has now developed even further makes operation very user friendly. With this system, the grease gun is replaced with an Allen key in everyday use, simplifying tool changes and reducing set-up time.



Weinig finger jointing technology makes residual wood processing and wood optimization easy and profitable. The patented GreCon Turbo-S 1000 milling combination guarantees a particularly high performance yield.

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*The aim of the powerful new basic solution Conturex Artis window centre is to maintain and improve the competitiveness of small workshops in a rapidly changing environment.*



*On the CombiScan Sense scanner the sensor technology has been optimized even further and the detection accuracy has been greatly improved.*



*An optional feature of the Conturex Artis window centre is a universal spindle with five-axis technology (as seen here).*

The machine's enormous productivity is enhanced by the fact that even the smallest batch sizes can be processed with no set-up time.

The new machine housing with improved visibility and accessibility, ensuring improved safety and ergonomic operation for your machine operators, is another feature.

**The new business unit "Automation & Digital Business" presented the current version of the Weinig App Suite, alongside live demonstrations in Hannover.**

One of the features of the App is real-time monitoring. All functions are now additionally available as a browser application.

Thanks to the modular design, the individual functions can be adapted even more to individual requirements - regardless of whether the system is being used by a traditional small workshop, or by an industrial enterprise.

Secure data communication takes place via the Weinig Cloud, or the cloud-based Siemens IoT operating system Mind-Sphere.

**Dowel driving in and gluing with the new UniPin 2000 Holland**

The UniPin is the ultimate in automatic window-sill gluing. With the new version, Weinig is taking yet another step forward.

Thanks to uniform glue application, the automatic NC-controlled UniPin creates the foundation for strength and tightness of corner joints. It allows dowels to be glued and driven in under three seconds.

The latest incarnation of the UniPin can be equipped with the Frecken PU glue application system.

In addition, the new generation comes with the option of a second dowel head up to a diameter of a maximum of 14mm. The maximum work piece width is now 320mm. The new user interface is also one of the highlights of the new UniPin.

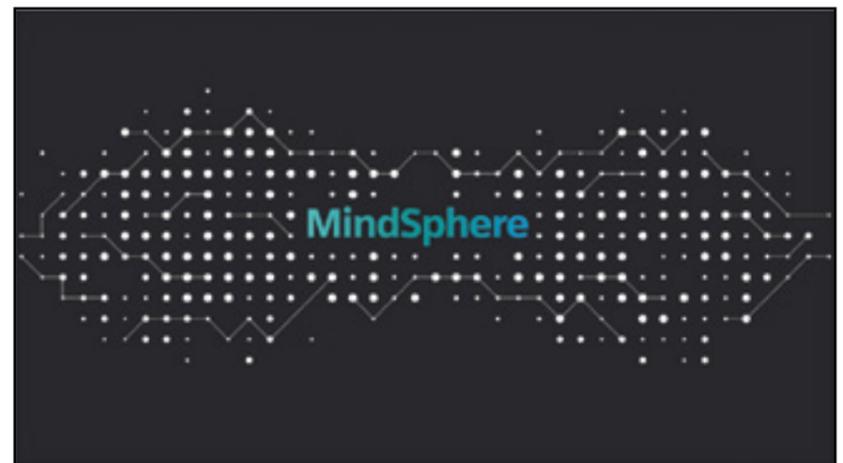
**New Central System Control technology for digitised systems**

Weinig systems competence is in high demand on the market. The Weinig group's all-round expertise opens up various opportunities for customers.

The group's comprehensive portfolio of machines and systems of various performance classes offers maximum flexibility for almost any application.

One of many examples of this is the complex production line consisting of eight interconnected components that was presented at LIGNA.

The fully automated system comprises the complete processing line from the



*Secure data communication takes place via the Weinig Cloud, or the Cloud-based Siemens IoT operating system MindSphere.*

raw material to the end product. It includes various pre-cutting solutions with innovative optimization tools, as well as moulders and finger jointing technology.

This system also uses robot technology and Weinig scanner technology. All components are centrally controlled via the new Weinig Control Suite.

Under the control of the Central System Control, it produces semi-finished products that can be further processed directly in various applications, e.g. in window production with the Conturex.

#### The new band resaws ProfiSplit 1100 and VarioSplit 900

With these two models, Weinig has the requirements of both industrial and trade users fully covered. Potential purchasers can choose between a very flexible version and a true powerhouse.

The new, powerful ProfiSplit 1100 for industrial applications has a 37kW motor and is designed for cutting heights of up to 400mm. Special feed rollers are used for the saw. These enable the ProfiSplit 1100 to achieve feed speeds of up to 80m/min.

The option to adjust the feed unit via the ball screw spindle ensures maximum precision. The combination of centre cut and angled cut functions opens up whole new areas of application.

The applications that the ProfiSplit 1100 can be used for range from stand-alone machines to fully mechanized systems for unmanned production. The saw is available as either a single, or a twin version.

The VarioSplit 900 is primarily designed to meet the needs of small shops. With the new thin-cut set-up, lamellae of <5 mm can be cut. If required, the saw can also reliably rip material with a cutting height of up to 370mm.

Thanks to the adjustable stop and the various pressure rollers, oblique cuts and diagonal cuts can be made without any problem.

#### Even more power for the quickest optimizing cross-cut saw

With the OptiCut 550 Quantum, Weinig is raising the bar for fully-automated cross-cutting and optimization. The feed speed of the saw has been increased to up to 550m/min.

For many years, OptiCut Quantum cross-cut saws have been raising the bar for productivity, thanks to their high cutting frequency.

Precise positioning at full speed and re-acceleration can be achieved at up to 50m/s<sup>2</sup>.

The VarioStroke saw stroke system makes it possible to achieve extremely short cutting times for all cross-sections within the maximum cutting range. This ensures increased machine performance and unprecedented cutting quality.

Waste handling has been completely overhauled. Large and small waste parts are separated from OK parts reliably and quickly.

The OptiStat tool makes it possible to evaluate production data and identify potential for optimization in the production process.

#### CombiScan Evo R 200 for ripping optimization

The profitability of the entire process is decided during the ripping process. The CombiScan Evo R 200 ensures maximum optimization.

It is Weinig's tried-and-trusted scanner for 2D ripping optimization during the ripping process. In 2D optimization, the later cross-cut products are already taken into account as part of the optimization, meaning that the value and yield of the overall process is significantly increased.

Dual-scatter technology allows optimal defect detection with the highest level of quality and extremely short scanning times.

Another great feature of the scanner is the automatic camera positioning.

The improved user interface makes the CombiScan Evo R 200 easier to handle. In addition, it speeds up configuration and expands the options for collecting statistics and data. By adding more sensors, the scanner can be upgraded to meet growing

needs at any time.

#### The new CombiScan Sense for optimization in the high-end sector

Wood yield can be significantly increased through scanner technology. With the CombiScan Sense series, Weinig has the highest performance requirements covered.

The CombiScan Sense is a scanner that provides four-sided wood defect detection.

Compared to the generation that it is replacing, the sensor technology has been optimized even further and the detection accuracy has been further improved.

The space-saving low-power X-ray module and the laser and color cameras are new features.

The scanner is equipped with a dot laser that detects the fibre orientation. In addition, it allows detection using dual-scatter technology, as well as two-sided detection of oblique cracks. Roughness+ can be used to detect unplanned areas.

Furthermore, a Random Width Module is available. Designed as a modular system, the CombiScan Sense can be upgraded to meet growing needs through the addition of sensors.

#### The new Turbo-S 1000 finger jointing line for the high-end segment

Weinig finger jointing technology makes residual wood processing and wood optimization easy and profitable.

The patented Turbo-S 1000 milling combination guarantees a particularly high performance yield.

Automatic charging is now used for feeding. This allows the Turbo-S 1000 to achieve an output of up to 91m/min.

Another new feature is glue application monitoring by GlueEye Vision.

The automatic control system ensures a high quality end product through the perfect connection of the finger joints and helps to reduce operating costs.

Thanks to automated chip removal, or the use of a Trimsaver, the system achieves the highest possible wood yield.

The technical highlights of this shaper combination also include the system's ability to automatically change dimensions.

Fully automated charging, a tool wear indicator and a belt speed that is adapted to the wood are among the features of the Turbo-S 1000.

Newly developed and separately dividing saws increase performance and flexibility in terms of asset utilization. These dividing saws are located behind the press output and are usually located in front of the stacking systems.

#### The new PowerJoint with up to 18 cycles/min

Increased cycle performance, even more flexibility and upgraded technology are what make the

new generation of Weinig compact finger jointing lines stand out. Two new versions of the PowerJoint are now available.

The PowerJoint series has already proven its worth on the international stage.

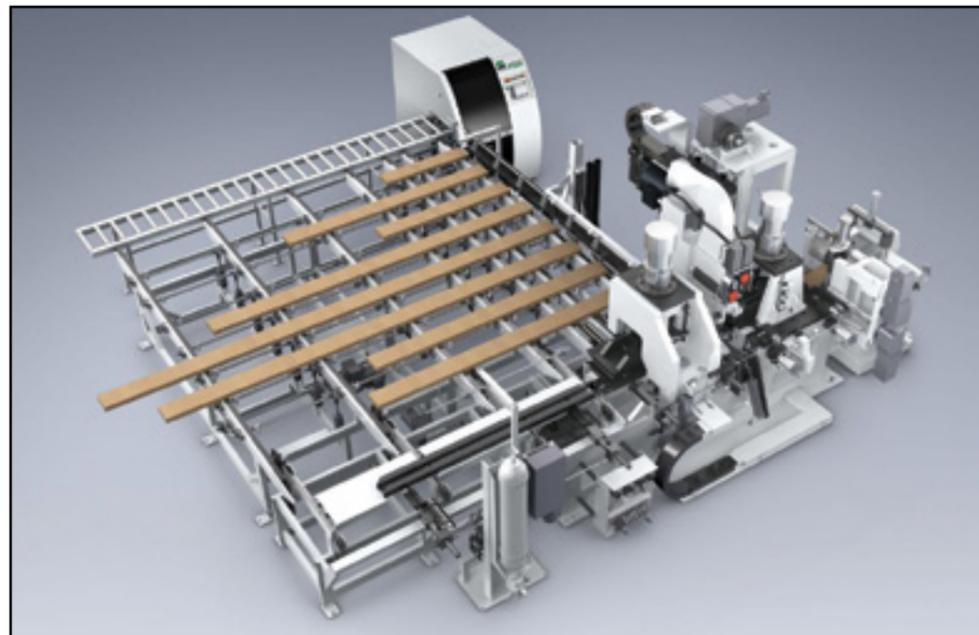
Weinig is now upping the ante with the PowerJoint 12 KVH and PowerJoint 18 models.

The top-of-the-range version can run at 18 cycles/min. This means that more than 17,000 linear meters of solid construction timber can be produced/shift with vertical finger jointing.

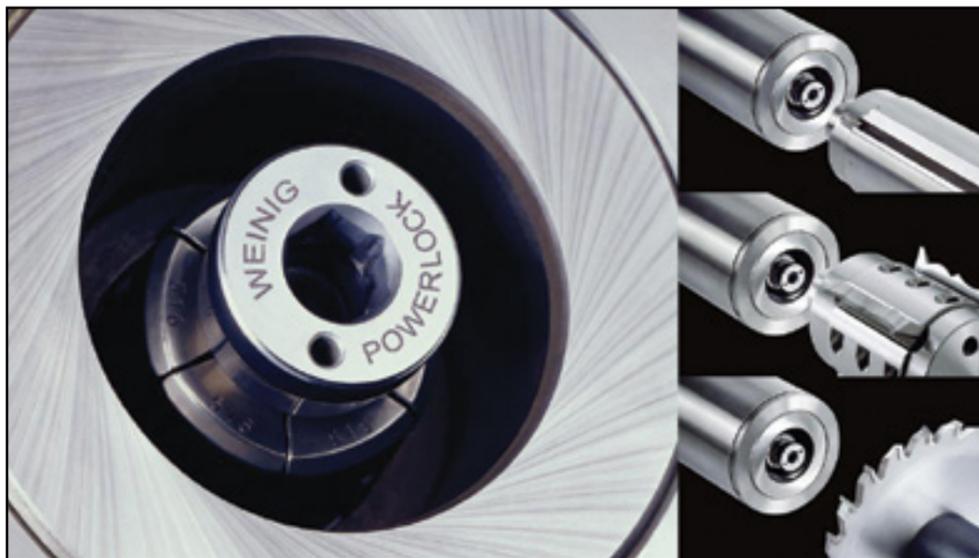
In conjunction with an extrusion press, the PowerJoint 18 can



*Under the motto "THINK WEINIG" the Weinig Group presented over 55 machines and systems at LIGNA - all of which could be seen in action by trade visitors to Hall 27.*



*Increased performance, greater flexibility and sophisticated technology were all features of the early models of Weinig GreCon's compact finger jointing line when they were first introduced. Now Weinig is upping the ante with the introduction at LIGNA of the latest PowerJoint 12 KVH and PowerJoint 18 models.*



*Thanks to the PowerLock tool holders fitted to the Powermat 3000 with hybrid ball bearings for a long service life and jointers, it can achieve an excellent multi-blade finish up to a feed speed of 100 m/min.*



*The Hydromat 4300 makes it possible to achieve excellent results when planing and profiling up to a feed speed of 300m/min.*

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press several joints, doing so all at the same time.

The model for solid construction timber, the decentralized PowerJoint 12 for larger cross-sections, has also become faster and can now achieve up to 12 cycles/min.

The clamping pattern in the milling machine and press is still the same. The result is a product with absolutely no need for offsetting. The press of the improved system can apply a press force of 40 metric tons to the connection.

Both new products feature the ProLam 4.0 production computer for networked production.

The finger jointing lines can be tailored to a wide range of

customers' requirements thanks to the wide range of installation options they offer.

**Added value through Weinig services**

The specialists at Weinig LifeTime Services provide customers with a professional network of technical expertise throughout the entire life cycle of the investment.

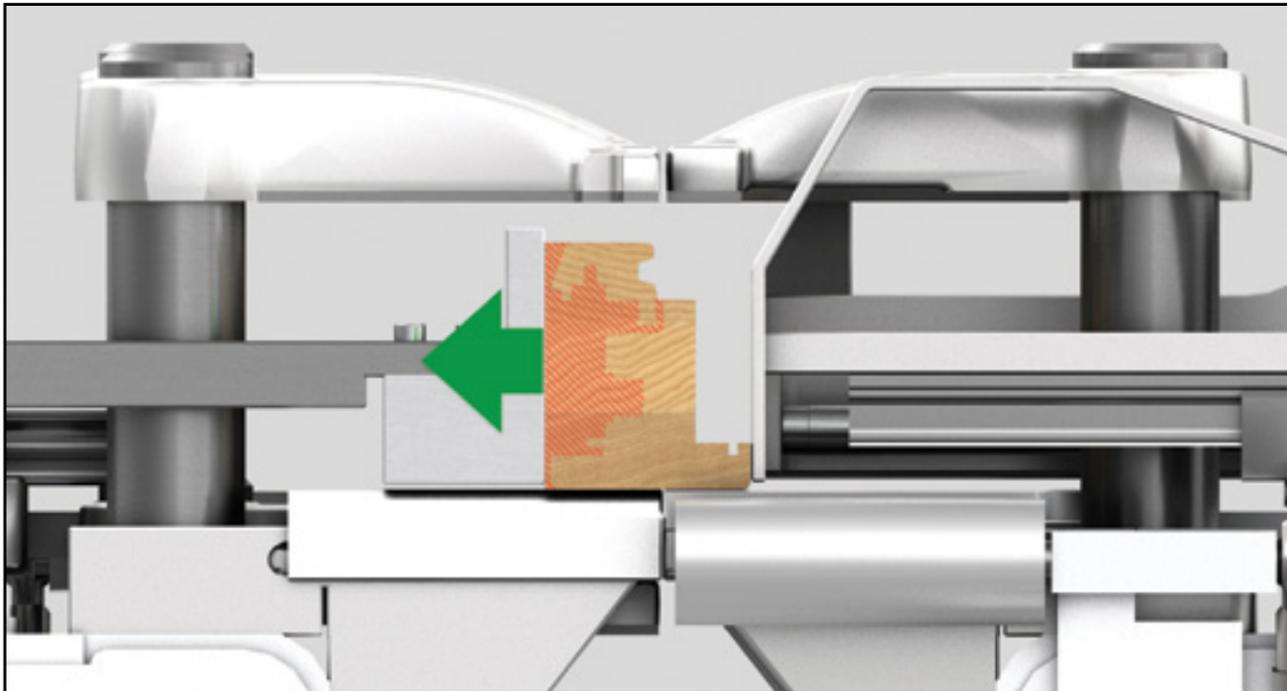
Innovations, such as VR technology were presented in Hannover. Visitors to the stand were also able to learn everything about service contracts from Basic to No-Risk.

The comprehensive range of services at LIGNA 2019 are complemented by training, finance, pre-owned machines and spare parts supply.

**Concentrated Weinig competence in the Concept business unit**

The focus of Weinig Concept at LIGNA 2019 was CLT competence. A number of recent customer projects were presented and individual process steps were integrated in the large-scale Weinig system at the stand.

For further information tel Weinig on 01235 557600. Visit [www.weinig.com](http://www.weinig.com)



The Powergrip RePos Easy clamping table as fitted to the Conturex Artis window centre enables variable clamping and automatic movement of the work pieces on the machine.



The VarioSplit 900 can reliably rip material with a cutting height of up to 370mm and, thanks to the adjustable stop and the various pressure rollers, oblique cuts and diagonal cuts can be made without any problem.



On the Unipin 2000 dowels can be glued and driven in under three seconds.



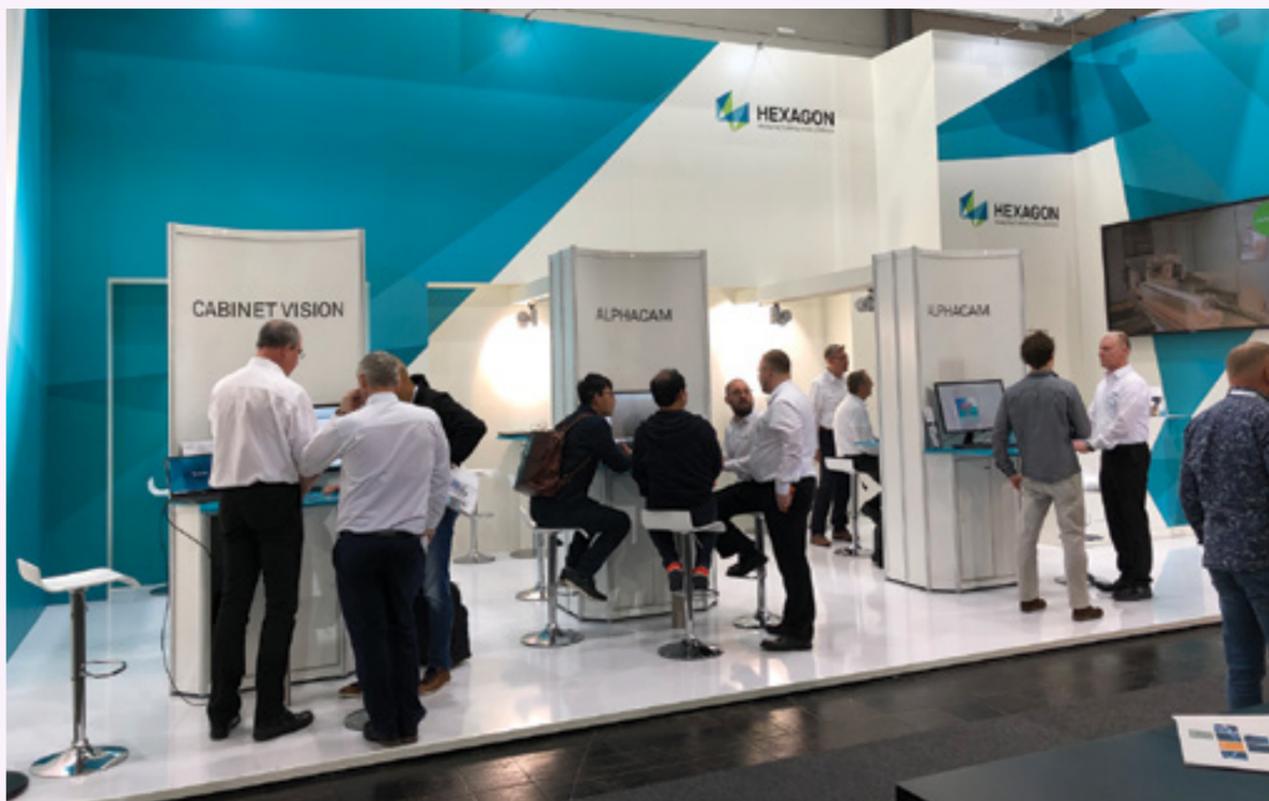
The new, powerful ProfiSplit 1100 for industrial applications has a 37kW motor and is designed for cutting heights of up to 400mm.



The Weinig Powermat 2400 moulder is equipped with Alpha-cam software, which allows for the design of three-dimensional work pieces and the creation of a CNC program.

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# BEST EVER LIGNA FOR HEXAGON CAD/CAM TEAMS



THE recent LIGNA exhibition looks destined to be the best ever for Alphacam and Cabinet Vision Cabinet in terms of sales achieved and new opportunities.

It was Frank Borm's first LIGNA as area sales manager in Germany for production software woodworking CAD/CAM products from Hexagon Manufacturing Intelligence.

'I'm very impressed by how our Hexagon products were regarded at the show. In particular, OEMs were interested in the AC Automation and productivity gains that can be achieved by their customers who use the software,' says Frank.

Being the world's leading trade fair for woodworking, wood processing plant, machinery and tools, it was the perfect platform to unveil the new Hexagon branding of the two market-leading products.

Frank Borm says that a significant number of existing customers, OEMs and new prospects visited the stand at the Hannover show to see the latest releases, including many current partners, who use a number of custom solutions created specifically for them by Alphacam.

For further information tel the company on 01189 756084. Visit [www.alphacam.com](http://www.alphacam.com)

# SUCCESS AT LIGNA FOR JJ SMITH

JJ SMITH was one of only a handful of UK companies who had a stand at the recent LIGNA exhibition. Providing a meeting point for many UK customers, the focus on the company's stand was on the range of timber frame equipment that is sold worldwide.

All of JJ Smith's principle suppliers were in attendance and they all reported that the show was a great success.

Intorex had their range of TMC five-axis CNC machining centres on demonstration, along with a CKX Plus CNC lathe – both of which attracted a good level of interest, with several orders confirmed on the stand.

The Comec Group had a comprehensive display of CNC machinery for a varied range of applications, including furniture parts and door parts, while MZ Project had on demonstration the company's CNC bandsaw linked with a robot arm for unloading purposes.

For crosscutting there was the Cursal machines featuring automatic loading and unloading, while from Stromab there was a CT600F fully programmable angled cross cut saw with inbuilt trenching.

For further information tel JJ Smith on 0151 548 9000. Visit [www.jjsmith.co.uk](http://www.jjsmith.co.uk)

Two singles – a perfect pair.

With the T54 surface planer and the T45 thickness planer you have two specialists who complement each other perfectly. Each of the two machines is designed for uncompromising fulfilment of their roles and ensures optimum working results. Discover planing now.

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# AXYZ INTRODUCES ENHANCED CNC MACHINING ONLINE FACILITY

IN the wake of its recent rebranding and restructuring initiative, Axyx Automation Group has introduced a newly designed and enhanced spare parts, tooling, accessories, consumables, software and technical support online facility.

Called CNCShop.com, the facility can be accessed not only by owners of machines supplied by AXYZ, but also those from other manufacturers, or suppliers.

The re-designed facility is said to be much easier to navigate and locate products of choice and to work better with mobile devices for remote access.

The site is clearly segmented to display and demonstrate via video links a wide range of products and services, including high-quality router bits, collets and cones to suit different spindle types, oscillating and tangential knife-cutting units for multiple material processing requirements and special-purpose tools for more complex applications.

Examples of these special-purpose tools include compression tools from Onsrud. These are designed for routing/cutting applications involving laminated and/or composite woods.

The special tool geometry and advanced coating provide a harder and tougher routing/cutting edge, thus eliminating problems, such as chipping of the material and increasing tool life by up to 100 per cent by comparison with standard spiral tools.

More recently, new Belin polycrystalline diamond cutting tools have been added specifically to enable perfect edge-finishing of plastic materials, as well as long reach tools, which are ideal for the processing of foam products.

Key features and benefits of CNCShop.com include a choice of service, extended breakdown and technical support packages. These offer attractive discounts on selected parts and accessories.

There are also video links showing products in application to enable customers to choose the most appropriate solution.

There is further support through access to Axyx application engineers who can provide on-site assistance and/or e-mail and web diagnostics.

These support facilities are supplemented by standard or bespoke product training courses, conducted either at a customer's own premises or at the Axyx Automation Group Training Centre in Telford.

For further information to Axyx on 01952 291600. Visit [www.cncshop.com](http://www.cncshop.com)



## New Additions to The Masterwood Panel Range!



## The MasterEdge Edgebanding Series



## The MasterDrill Panel Drilling Series

Masterwood GB Ltd  
 Units 18-23, Hollybush Business Centre, Shipley Bridge Lane, Horley, RH6 9TL  
 Tel: +44(0) 1293 402700  
 Email: [office@masterwoodgb.co.uk](mailto:office@masterwoodgb.co.uk)



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# TEAMING UP WITH VOLTECS PROVES TO BE AN OBVIOUS CHOICE FOR SCHELLING

SCHELLING UK Ltd UK is the only UK trading partner for volume reduction specialists, VoteCs.

Schelling will only team up with the highest quality manufacturers, so that made VoteCs the perfect choice.

VoteCs machinery has been installed in trade and industrial operations for years, for the economical processing of woodwaste, but can also offer solutions for many other materials.

The machines are defined by their robust technology, construction and consequently reliable operation.

VoteCs machinery is expertly designed for individual customer's requirements, ensuring that their waste is dealt with as efficiently as possible.

Many industrial operations produce wood chips, shavings, or saw dust on a daily basis that take up considerable storage space.

VoteCs combats this with machines that produce briquettes from the shredded wood waste. This saves space and is easier to transport, if required and, more importantly, unlike loose materials, presents a far lower risk of spontaneous combustion.

## Shredding – simple and effective

The shredder operates very quietly and dust free: The material

to be shredded is deposited into a large hopper, by a hydraulically controlled pusher. It is then pressed against the cutting rotor. The shredding of the material occurs between a rotor shaft and a fixed opposing knife.

The fixed screen, located underneath the rotor, determines the desired shavings size. After the shredding of materials, optional transportation of the shavings takes place via an extraction unit, a screw conveyor, or a conveyor belt.

## Briquetting

Once the material is ready to be compressed, it is continuously mixed by a rotating tube extractor in the container and fed to the pressing mechanism by a discharge screw conveyor.

The loose material is then pressed by a cylinder and the pre-formed briquette is transformed into its final, highly compacted form. When the defining pressure value is reached, the tongs open and the briquette is pushed out.

For further information tel Schelling on 01937 586340. Visit [www.schelling.co.uk](http://www.schelling.co.uk)



# MASTERWOOD EXPANSION ANNOUNCED AT LIGNA

## New Developments

THIS year's LIGNA was an exciting one for Masterwood, with the launch of two new machine lines, in partnership with KDT Machinery.

For over 50 years Masterwood SpA has been designing and building CNC machines from their Rimini factory and in February 2018 it was announced that KDT had become a partner in the company.

At LIGNA it was officially announced that after nine months of

the two companies working together on developments, the first machines from KDT are now available under the Masterwood name.

The two new ranges of machines include an edge-banding series and a CNC drilling machine, built by KDT Machinery in China and supplied under the Masterwood name. KDT is one of the world leaders in woodworking machinery and the company currently builds and supplies over 500 edge-banders/month.

## MasterEdge:

This is the new range of edge-banders under the Masterwood/KDT name, various changes have been made to the original KDT designs to suit Masterwood's requirements for their dealers across Europe and other areas of the world.

In order to cover all areas of the market, four specifications of the new edge-banders will be available, ranging from a small entry level version through to a high specification top end model.

Functions available on the machines include pre-milling, pre-melt, double rail end cutting, rough trim, fine trim, corner rounding, edge scraping, glue scraping, cleaning, buffing and bottom grooving. Depending on the model these options are also available with a four position automatic edge feeder, two quick change glue pots, plus touch screen PLC controls.

Panels with measurements from 10mm to 60mm can be worked with edgings measuring from 0.4mm to 3mm.

## MasterDrill:

In addition to the original Project TF 100, Masterwood can now offer a wider range of drilling machines for the panel market. The Master Drill series, which is available in three versions, has the advantage of working above and below simultaneously, thanks to the Smart table for continuous workpiece support and patented air bed tables.

The machines can have vertical and horizontal drilling heads above and below the bed, plus the options for vertical routes, with these combinations and the twin gripper feed system it ensures fast and accurate machining.

Programmes are easy to generate in the Masterwood Cad/Cam software and can then be used with bar codes and scanners for fast automated production.

Options of infeed and outfeed tables to help speed up production time are available with the three models.

Panel sizes are from 10mm to 60mm thickness, 50mm to 1200mm wide and 200mm to 2500mm in length.

A full range of machines that include the Muti oscillating chisel mortises, CNC drilling machines and CNC routers will continue to be built in Italy using proven designs and leading suppliers for components, such as HSD, Beckhoff, Yaskawa, THK, Schmalz and Becker.

Once again Masterwood brings new developments to the market. Innovation, not imitation.

For further information tel Masterwood on 01293 402700. Visit [www.masterwood.com](http://www.masterwood.com)



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# USED WEINIG SPECIALIST

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We deliver the machine to your doorstep.

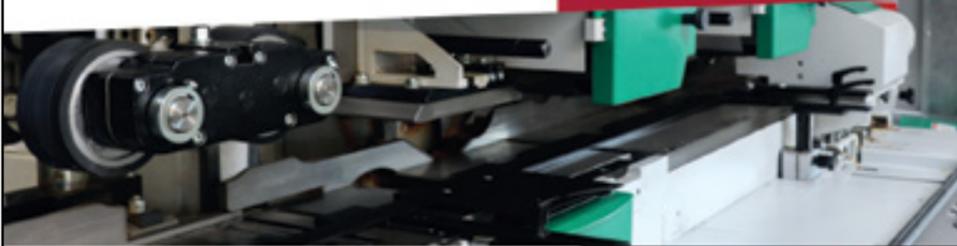
If you are looking for a top-quality used Weinig moulder or grinder Rehomy is where you will find it!



## CURRENT STOCK

1X WEINIG UNIMAT 300	5 SPINDLES
2X WEINIG UNIMAT 500	5 SPINDLES
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# CHEERS TO WEINIG FOR HELPING GLUES PANELS FOR OKTOBERFEST

VERY few visitors to the Oktoberfest would guess that the beer tables and benches, which often witness late-night dancing and frivolity, are now made in Transylvania.

Owing to the massive demand for this hard-wearing furniture, the manufacturer, Bucin Mob, invested in an endless gluing and pressing line from Weinig, so that they could produce the solid wood panels more efficiently.

The ProfiPress T is one of Weinig's most popular gluing presses, offering a cycle press with cross feeding for wood lengths of 500mm up to 6,400mm.

This intelligent technology can press panels of different lengths and widths at the same time in one cycle.

Up to six pressing ribbons are possible within one press cycle. This allows the operator to achieve a maximum flexibility at a high level.

Purchasers can determine how an individual machine is equipped with various upgrading possibilities available and most of these can even be retro-fitted. Different

feeding types can be selected, either from the right, or left, or from both sides, as well as the cross saws in the outfeed area of the press.

The Weinig ProfiPress T series offers good levels of efficiency, even when producing small batches and there are unlimited panel width possibilities.

The Weinig ProfiPress boasts optimum machine utilisation at all times, as the result of a system that is not dependent on width. It also offers low post-processing, as a result of minimum additional sanding.

The ProfiPress range is ideally suitable to be integrated into system solutions and, perhaps the most important feature of all is the extremely efficient input of high-frequency energy in the glue joint.

For further information tel Weinig on 01235 557600.  
Visit [www.weinig.com](http://www.weinig.com)



A company in Transylvania which specialises in producing beer tables and benches, such as those typically to be seen by visitors at the Oktoberfest has purchased a Weinig ProfiPress T gluing press.

## WEINIG PROVIDES THE CENTRAL COMPONENT FOR HEAVY CUTTING

IN the timber-rich Italian Puster valley, there are numerous carpenters. This makes differentiation important.

Weissteiner does this with a clear strategy that also takes account of the cramped conditions.

Many machines, little room – such is the situation in the Weissteiner father and son workshop. Despite this, there are never any “traffic” jams.

The completely modernised production facility is a strong process-oriented system with optimal interfaces and it has been carefully assembled to drive forward the specialisation in high-quality solid wood panels.

‘It was important for us to be able to receive everything from a single source and that the machines are equipped with the same user interface,’ says Stefan Weissteiner.

The central component of the system is a Weinig OptiCut C 700 cross-cut saw, which performs the heavy cutting.

A VarioRip 310 M multi-blade rip saw is responsible for splitting the boards. With its two adjustable saw blades, the machine significantly improves wood recovery.

An OptiCut S 50 push-feed saw cuts the lamellae for the solid wood panels. The machine is integrated into the CAD/CAM software and receives all parts lists via the office.

A bar code printer ensures perfect part tracking in subsequent processing.

Gluing is performed by a ProfiPress L 2500 with high frequency technology.

‘The compact design of the machines is ideal for our little workshop,’ says the senior partner.

‘Unlike previously, we can now also perform glued butt joints and create panels almost free from offsetting,’ he adds.

The Weinig machine concept has opened up new opportunities on the market for the operation. Other carpenters are interested in solid wood panels, but production is only possible with a state-of-the-art machine.

A particular advantage is the flexibility in terms of thickness, length and width and, above all, production in Batch Size 1.



Gluing is performed by a ProfiPress L 2500 with high frequency technology.

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# SPECIALIST IN THE PROVISION OF BIOMASS BOILERS & POWER PLANTS

THE global energy situation is characterised by limited natural Viessmann wood combustion systems – innovative wood-firing systems up to 8,000kW gas and oil reserves as consumption increases. In addition, increasing CO2 emissions heat the earth's atmosphere and thus lead to climate change.

This forces a responsible use of existing resources and requires more efficiency and the increased use of renewable energies.

Biomass plays a special role here. It provides most of the renewable energy, is steadily available and can be stored as needed, unlike wind and solar energy.

Wood as a fuel remains cost-effective in times of unpredictable energy prices, burns CO2 neutral and, in conjunction with sustainable forestry, helps to implement environmental and economic goals.

As a specialist for biomass boilers and power plants in the power range up to 8,000kW, Viessmann Holzfeuerungsanlagen GmbH is one of the leading full-service providers in this industry. Viessmann Holzfeuerungsanlagen focuses on the conception and implementation of biomass plants for industrial,

commercial and municipal customers.

With an export share of around 88 per cent of sales, the company is internationally orientated, with more than 4,000 plants in operation in Europe alone. Viessmann Holzfeuerungsanlagen (Mawera) was

founded in 1975 as Mawera and currently employs around 120 people at its location in Austria.

From boilers through to fuel delivery systems and exhaust gas cleaning the products are suitable for all wood fuels.

Essential features include the different firing systems, which are individually planned for each project and tailored to the needs of the customer.

Depending on the heat demand, hot water, steam or thermal boilers are used. Viessmann supplies the tailor-made systems turnkey and also provides the necessary accessories.

Services such as conception, service and assembly organisation emission measurements and the renovation of old plants complete the offer.

As the leading international supplier of heating technology systems, the Viessmann Group offers a complete program for all energy source and performance ranges.

Founder in 1917, the family owned company employs 12,000 people worldwide. With 23 production companies, sales organisations in 49 countries and 120 sales offices worldwide, Viessmann is internationally orientated.



For further information tel Mawera on 01543 258844. Visit [www.mawera.co.uk](http://www.mawera.co.uk)

# PALAMATIC PROVIDES A LIFT FOR PANEL PROCESSORS



efficient use of labour and reduced injuries and claims.

The company's systems are robust and built to last and to endure the requirements of the woodworking industry. Applications regularly provided by Palamatic include loading and unloading for vertical panel saws, beam saws, dimension saws, flat-bed CNC stations, edge-banders, laminators, paint lines and tilt tables.

The most common wood materials handled by Palamatic lifting systems include Trespa jumbo boards, Spandrel panels, MDF, MFC, chipboard, wood, plywood, Sterling board, plasterboard and polycarbonate – with weights up to 350kg being picked up.

Wood products handled include fire doors, panel doors, furniture, staircase, planks, timber sections, laminate surfaces and cabinets.

Palamatic is also often asked to rotate boards through 90 deg or 180 deg for loading saws and gripping boards, which its systems can handle with ease.

'Our philosophy is to provide equipment for the purpose, so all applications are looked at by our engineers to design the correct solution,' says Palamatic's customer relations and marketing manager, Matt Bennison.

'The gantry that the lifting systems are suspended on are critical to offering an ergonomic solution that works for the operator. We can provide H-style gantry systems to cover large areas, but our smaller swing jibs and low head room centre posts can fit into areas where space is an issue and work perfectly well,' adds Mr Bennison.



'With our 22,000ft<sup>2</sup> factory based in Chesterfield in Derbyshire, we are well placed to visit customer sites and for our customers to send us samples to test prior to us manufacturing their vacuum tube lifter. We have a skilled field engineering team to install the system and come in to train individual operators,' says Mr Bennison.

'We recommend our service contracts with each system, as we find that the woodworking industry uses its systems daily and, therefore, the upkeep of them is vital in terms of production,' concludes Mr Bennison.

For further information tel Palamatic on 01246 452054. Visit [www.palamatic.com](http://www.palamatic.com)

PALAMATIC is a leading supplier of vacuum tube lifting systems to the woodworking industry. With 35 years' experience, thousands of its solutions are in use on a daily basis.

Now with recent changes in the construction industry, Palamatic's range has been developed to offer solutions to keep up with the demand.

As a proven Health & Safety solution, a Palamatic vacuum tube lifter offers increased operator safety and performance, allowing

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# LAUNCH OF THIN CUTTING BANDSAW FOR FLOORING BY DUTCH COMPANY, REHOMY



REHOMY – a well renowned Dutch based company – is introducing the Rhino horizontal bandsaw machines into the UK.

A wide range of horizontal and vertical bandsaws is available, but Rehomy would like particularly like to draw the attention of potential purchasers to the especially thin cutting bandsaw range.

Thanks to their flexible design, the latest generation of the Rhino thin cutting bandsaws offers customers amazing performance. No matter whether you are cutting timber, such as for example oak in either wet or dry conditions, or you have the need for a single cut or three cuts – Rhino machines can do it.

Cutting from 2mm lamella, they are suitable for anyone who involved in the production of engineered flooring.

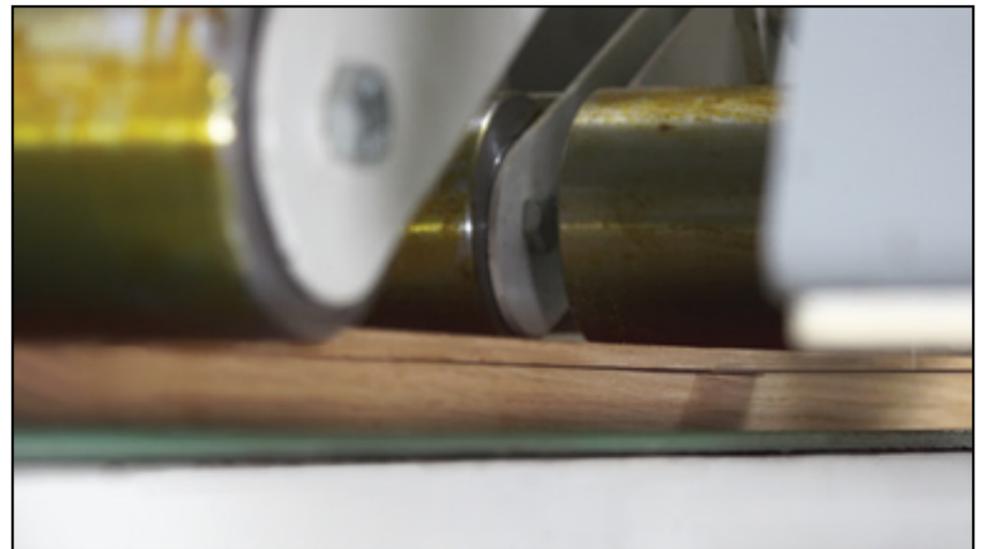
The thin cutting series are equipped as standard with German-made Schneider touchscreens, PLC and inverters and also with a special sawblade guide system manufactured in Switzerland.

Rehomy made a special mini-website to show the available models, including demonstration videos.

Rehomy has a range of demonstration machines in stock and welcomes customers for a free demonstration.



For further information tel Rehomy on 00 31 512 525 090.  
Visit <https://woodworkingbandsaw.com>



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# MARTIN MACHINERY PROVIDES KAIZEN'S EXTENSIVE RANGE

KAIZEN furniture specialises in the design and manufacture of the finest luxury interiors for prime London residences with the emphasis on bespoke furniture, cabinetry and joinery solutions.

Kaizen designs, engineers and produces bespoke furniture exclusively made for individual clients. No matter how big or small the project in question, Kaizen can create everything from single pieces of furniture to entire kitchens (as well as

bedrooms, bathrooms and dressing rooms) or furniture for commercial spaces.

Kaizen works in a wide variety of different materials, including timber, acrylic and glass, metal and stone.

The company's well-trained team of experts will take care of the entire process for the client – from developing a design through to production and ultimate installation.

By managing a project from start to finish and down to every final detail, Kaizen can ensure that everything comes together seamlessly on time and on budget.

At Kaizen the aim is to create the highest quality furniture to meet the precise demands of its clients. This is why Kaizen designers and craftsmen work closely with clients from the very beginning of each project.

Kaizen is a Japanese philosophy devoted to continuous improvement and attention to detail in manufacture.

The company was named thus because it is committed to setting and achieving the highest possible standards with a

strong belief in making high quality furniture that is tailored exactly to each individual client's demands.

That is why every piece of Kaizen furniture is hand made in the UK and combines craftsmanship with forward thinking design.

Kaizen is based in London and Essex, where the company's well-managed workshops are located. One feature of the well-equipped workshops is the operation of German woodworking machinery supplied by the well-renowned manufacturer Martin.

Two models from the Martin range which feature in the workshops in Ongar in Essex are the Martin T45 planer/thicknesser and the Martin T54 surface planer.\*

The T45 planer/thicknesser which features in Kaizen's workshop helps to ensure that smooth results are achieved every time.

It provides the company with perfect planning results and it is impressively silent in operation.

Ideally suited for modern production methods, it supplies cleanly planed wooden surfaces.

It is quick and easy to operate and for those companies which are on a limited budget, it offers excellent value for money.

Irrespective of whether short or long workpieces are being planed, the sturdy thicknessing table extension can dispense with the need for a second person located behind the machine.

Short workpieces do not fall on to the floor and longer ones are supported at the out-feed side.

The table extension always moves synchronously with the thicknessing table and this accessory can be retro-fitted without any problems.

It is possible to choose between the long 1,200mm version, or the short, foldable 450mm version. The latter can also be mounted on the infeed side.

The workpiece transportation of problematical materials and short workpieces can be improved by means of a second rubber outfeed roller – especially if no lubricant can be used. The second outfeed roller is also available as a steel roller.



*Martin's T45 planer/thicknesser is impressively silent in operation.*



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The operator can switch between the standard feed speeds of 6m/min and 12m/min during the planing operation.

Another distinct advantage is that the feed speed can be adjusted by means of the optional, infinitely variable feed control. This option allows variable feed speeds between 2m/min and 25m/min – depending on the individual design.

The Martin T54 surface planer

was initially developed primarily to accomplish two separate tasks – firstly to dress workpieces perfectly and, secondly, to provide these workpieces with superlative angular edges quickly and safely.

As the production staff at Kaizen know only too well, you only arrive at the perfect end result with perfect preparation

Martin's T54 surface planer features an easy-running guided surfacing fence with an integrated auxiliary fence, which enables quick and precise operation.

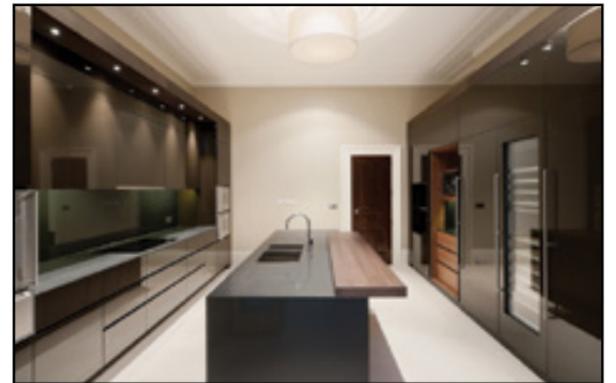
The ball-bearing guided jointing fence runs smoothly and without tilting on tempered raceways. In years to come, it will work as precisely as it does on the very first day following its acquisition.

Chamfers can be planed in no time at all, owing to the fact that any angle between 90 deg and 45 deg can be set quickly by means of the user-friendly single-handed operation.

Kaizen has come to depend on its Martin machinery in much the same way as it depends on the skills of the dedicated team of production staff in its workshop. It's a winning combination.

\*Supplied by Martin's UK agent, Scott & Sargeant

For further information tel Martin on 00 49 8332 9110  
Visit [www.martin.info](http://www.martin.info) or [www.kaizenfurniture.com](http://www.kaizenfurniture.com)



*Martin's T54 surface planer features an easy-running guided surfacing fence with an integrated auxiliary fence, which enables quick and precise operation.*

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# INTRODUCING MAKITA'S NEW BRUSHLESS CIRCULAR SAW

MAKITA UK has launched the new DRS780Z 18Vx2 185mm brushless circular saw as part of its LXT range. The latest addition to Makita's extensive cordless machinery portfolio.

It includes Makita's automatic torque drive technology for optimum operation, which automatically adjusts the tool's cutting speed according to the load conditions. This ensures that the saw is always cutting at the correct speed and continues to work at its optimum level.

Driven by a brushless motor, it also benefits from minimal maintenance. As the motor does not utilise carbon brushes, friction is reduced - this results in fewer issues, due to wear and eliminates the cost of replacement brushes.

The DRS780Z has a maximum output of 1,700W and is powered by two 18V Lithium-Ion batteries - totalling 36V, providing extended run times and less downtime and massively improving on-site productivity. Makita's 18V



batteries can also be interchanged across other Makita tools, providing continued on-site flexibility.

When using the saw, operators can benefit from a maximum cutting capacity of 65mm at 0°, 45mm at 45° and 38mm at 53°. With a vibration level of just 2.5m/s<sup>2</sup>, users can safely operate the tool for longer, whilst the lightweight magnesium base allows them to do this in comfort without compromising the durability of the tool.

'Makita's new brushless circular saw offers a number of key benefits for operators. Firstly, the inclusion of Makita's ADT means that the saw can cut through materials effortlessly, improving ease of use and on-site productivity,' explains product manager, Matt Chilton.

'Operators can also benefit from Soft Start - which prevents the tool from kicking when making initial contact with the material - as well as the rear handle design, which provides stability and increased control for those ripping through large sheets of timber,' adds

For further information tel Makita on 01908 211678. Visit [www.makita.com](http://www.makita.com)



## CONTROLLING THE FUMES CREATED BY WELDING

BUSINESSES that undertake any form of welding activity are being alerted to a tightening of Health and Safety law that may have escaped them, but which necessitates an immediate review of risk assessments and the introduction of suitable control measures.

Gauntlet Health and Safety says that, to remain compliant with the Health and Safety at Work Act 1974 and the Control of Substances Hazardous to Health Regulations 2002, businesses need to act quickly and recognize that opening windows, or using other general ventilation methods will not prevent them picking up hefty fines, or possible prison sentences.

The new emphasis on controlling the fumes created by welding activities follows the classifying of mild steel welding fume as a human carcinogen, felt to cause both lung cancer and possible kidney cancer. Other possible side-effects include neurological damage.

The HSE expects to see at-source fume extraction taking place, removing fumes from the breathing zone. Welding indoors should be accompanied by Local

Exhaust Ventilation (LEV), whilst welding outdoors, regardless of the duration of the work, requires the welder to be fitted with suitable respiratory protection equipment (RPE). RPE needs to be part of an RPE programme taking a holistic approach towards RPE protection.

The Law has been tightened with immediate effect and manufacturing and engineering businesses need to respond without delay.

'Any business which uses welding equipment should get the right controls in place the moment they read this warning,' says Gauntlet Health & Safety's Brian Goulding.

'If they are unsure what they need to do to be compliant and not breach Health and Safety laws, they can get in touch and we can guide them through the processes required.'

For further information tel Brian Goulding on 0113 244 8686.



# A CUT ABOVE THE REST!

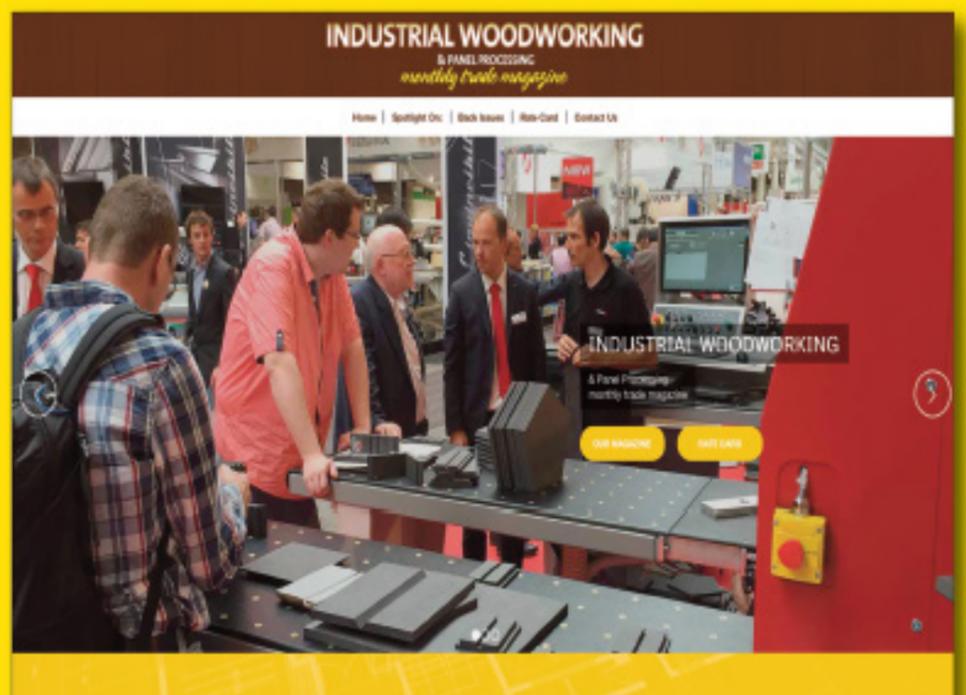
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Quite simply, our website provides you with relevant and informative information in a straightforward, no nonsense style.

Whether you want to view our current issue BEFORE the magazine itself is published, or whether you wish to research articles which have appeared during the previous 12 months, it is all readily available to you.

John Emslie - Publisher

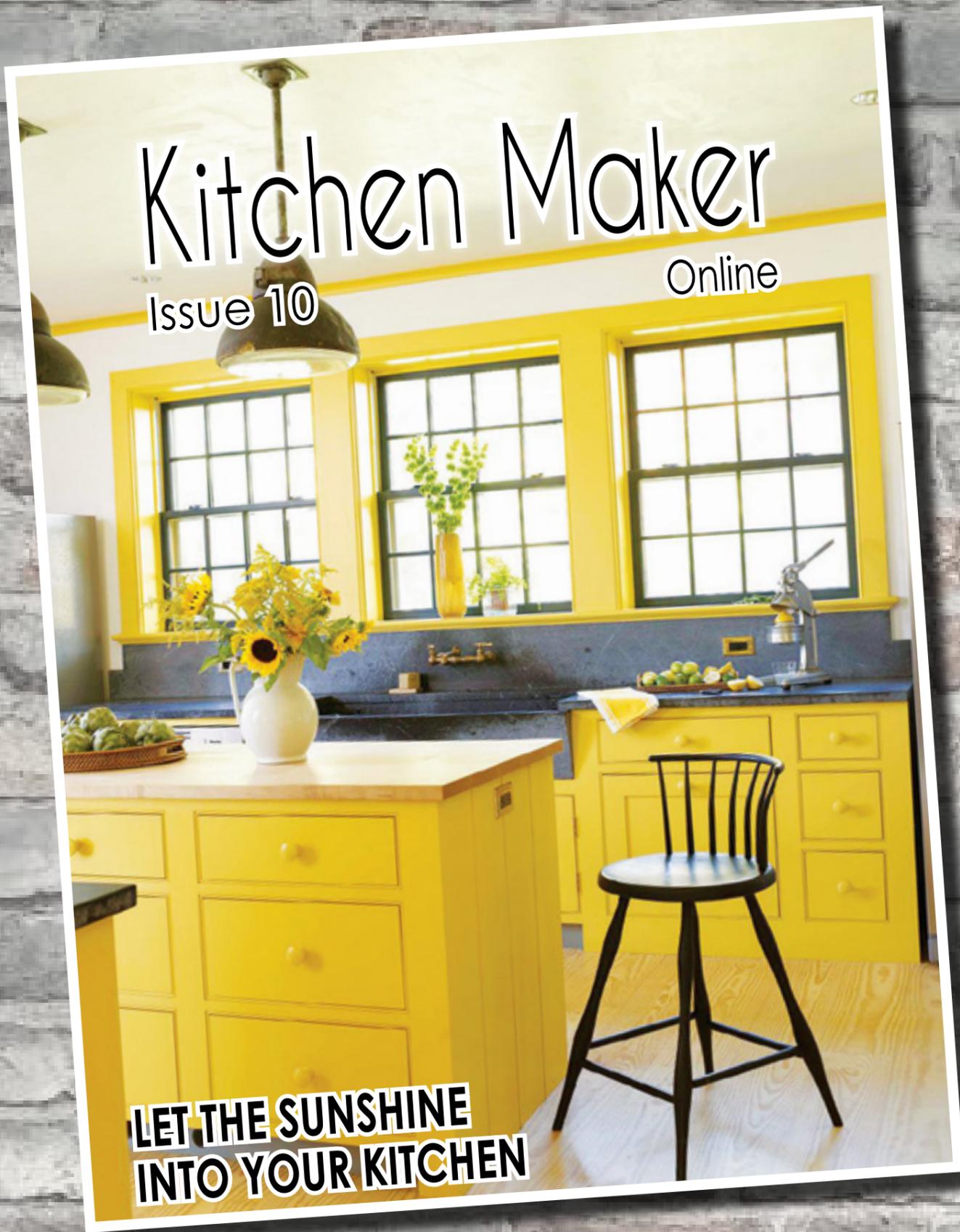


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