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SY3 9BZ, UK

# INDUSTRIAL WOODWORKING & PANEL PROCESSING

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MAY 2019

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Thanks to the new design of the EasyLock tools, the noise emission is also reduced significantly.

In this way, the Cube Plus offers maximum ease of use with a minimum amount of work and represents the perfect machine for four-sided planing.



Weinig Cube Plus: Are you still planning, or are you already CUBEing?



Thanks to the new design of the EasyLock tools, the noise emission is also reduced significantly.

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## THIS MONTH: PREVIEW OF LIGNA HANNOVER GERMANY MAY 27-29

## HEAD OF SERVICE

ANDREAS Doikas is the new head of the Weinig product unit services. As a complete provider, Weinig offers a comprehensive range of services.

At LIGNA in Hannover later this month, the world renowned German woodworking machinery manufacturer will provide information on training, finance, pre-owned machines and preventive maintenance.

Both Weinig and Holz-Her will be demonstrating all the very latest technological innovations at LIGNA.

For the full story on what will be on offer, please turn to pages 12-15 of this issue.



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# TIMBER DOORS SUPPLIER SPONSORS PLANTING OF 100 TREES

XL JOINERY has partnered with Carbon Footprint to sponsor the planting of 100 trees at St Oswald's Church of England Primary School in Bradford, in order to create wildlife habitats and encourage biodiversity in the school's grounds.

Both companies joined the pupils of the primary school earlier this month to celebrate the planting of the trees, all of which are native British species grown in the UK and include dog rose, hazel, elder, rowan, wild cherry and English oak.

This activity comes off the back of XL Joinery's recent carbon neutral accreditation, which was awarded due to the company's ongoing commitment to reducing its CO2 emissions.

XL Joinery is a market leading supplier of wooden doors and associated products. It can be found in the most prestigious builders' merchants and retail stockists across the UK.

For over 25 years, XL Joinery has been helping homeowners transform the spaces they love through its innovative and constantly evolving product range.

Operating from its six-acre site and head office in Birstall, West Yorkshire. It has almost 100 employees and supplies in excess of 500,000 joinery products every year.

The additional 100 trees in the school's grounds will not only create an ideal habitat for wildlife and preserve the natural environment, but the activity also enabled the children to gain hands-on experience of how trees are planted and learn the importance of wildlife in their local area and beyond.

'We're thrilled to have partnered with Carbon Footprint and St Oswald's Church of England Primary School for the tree-planting,' says marketing manager at XL Joinery, Tim Wood.

'Reducing our impact on the Environment is an important part of our company ethos, which is why we're always looking for ways to actively help. We hope that the children enjoyed the activity as much as we did and we look forward to seeing the trees we have planted come to life over the upcoming years!' adds Mr Wood.

'It's great to see XL Joinery take a leading position in reducing and offsetting its carbon emissions. By supporting UK school tree planting, the company is also helping to educate the younger generations in environmental responsibility,' comments client director at Carbon Footprint Ltd, Dr Wendy Buckley.

'We were delighted when Carbon Footprint informed us that XL Joinery would be visiting our school for the tree-planting activity. It's wonderful to see the children become so involved with the initiative,' says assistant head teacher at St Oswald's Church of England Primary School, Shaun Wiseman.

Carbon Footprint is an organisation committed to helping businesses develop their sustainability credentials.

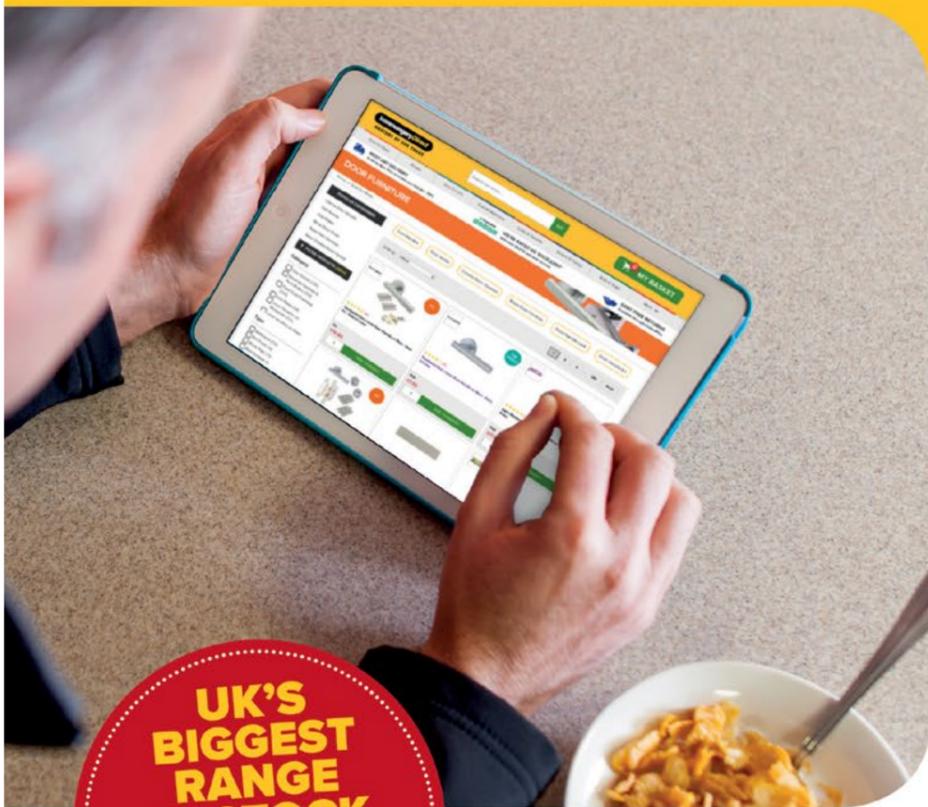
Carbon Footprint help hundreds of companies develop robust carbon and sustainability programmes.

They help businesses and their products and services become carbon neutral with high quality carbon offsets. They also help organisations with great ideas to reduce energy and transport costs.



For further information on Carbon Footprint tel Dr Wendy Buckley on 01256 592114. Visit [www.carbonfootprint.com](http://www.carbonfootprint.com). For more information on XL Joinery visit [www.xljoinery.co.uk](http://www.xljoinery.co.uk)

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# WEINIG'S BKW HIGH POWER, HIGH SPEED BAND RESAW

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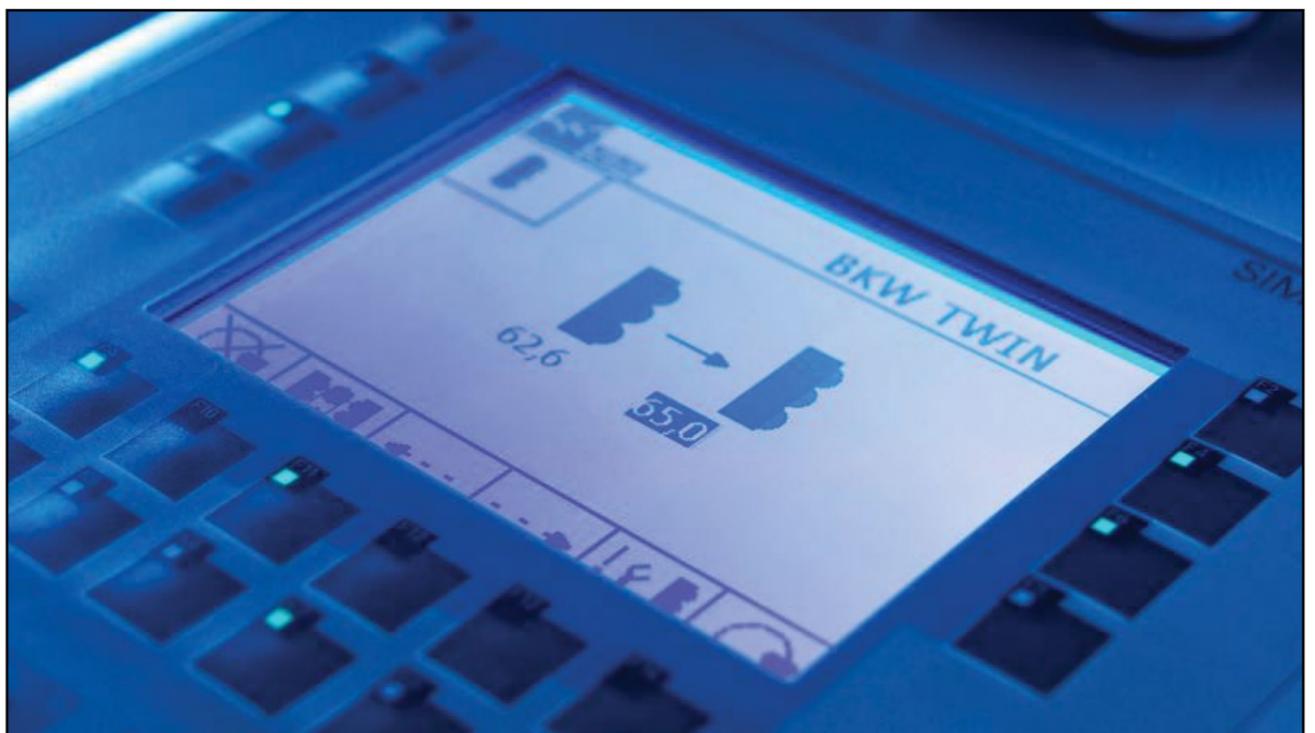
WEINIG's BKW is the high power band resaw for large dimensions at high speeds. It offers high standards with SPS control for dimensional setting for series cuts.

Settings for the centre cut device can be made at the press of a button and there is adjustable saw blade speed for different types of wood.

High cut height and perfect dimensional accuracy is provided thanks to stable band guidance and high band tension. Long service life is on account of the broad saw blade.

Heavy, steplessly adjustable electronic feed works with the single feed roller with pneumatic pressure element for perfect wood guidance.

High productivity is thanks to simple and quick dimensional settings. Safety and long service life is due to the effective saw blade cleaning, band wheel cleaning and lubrication.



The BKW band resaw is ideal for integration into full, or semi-automatic planer and saw lines. It is available in right, or left-sided band format.

In addition, the operator will benefit from safety based on strict quality standards, fantastic ease of use and, naturally, top service from the world market leader.

In short, the Weinig BKW provides:

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- Easily adjustable and exchangeable saw blade guidance.
- Electronic feed drive.
- Programmable settings.
- Convenient operation.
- Maximum work safety.

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# USE OF VACUUM PUMPS FULLY EXPLAINED

COMPLETING our "Vacuum in Woodworking" series, in this issue we focus on centralising the vacuum supply for an entire plant.

In this process, the individual vacuum pumps, all of which are directly connected to the machining equipment are removed.

A network of pipes is then used to connect the equipment to

a vacuum system that can be located outside the production area in a separate room. Whether a central vacuum system is reasonable for a woodworking plant depends on different factors being applied by the operator:

- The number of vacuum pumps used.
- Operating times of machining equipment and vacuum pumps.

which vacuum is really needed only makes up a fraction of the operating time.

In turn, this means that, in practice, vacuum pumps are often in operation, but not being used. For vacuum pumps requiring intense maintenance – for example, dry-running rotary vane vacuum pumps – this shortens the maintenance interval for exchanging the vanes which, in turn, increases the operating costs. These costs are avoidable with a vacuum pump that is not always being used.

## Central vacuum supply

If a central vacuum supply is used, no individual vacuum pumps are needed at the machining centres. The machining centres are connected to a central vacuum system using a network of pipes.

When designing this type of vacuum system, it becomes apparent that it is possible to manage with significantly fewer vacuum pumps.

In many cases the number of vacuum pumps can be cut in half as compared to decentralised vacuum generation.

## Energy efficiency

A central vacuum supply can work much more energy-efficiently than the individual vacuum pumps directly at the machining equipment can, simply due to less vacuum pumps.

The control system for this type of vacuum system automatically activates only the number of vacuum pumps required to maintain the pumping speed, or vacuum level that is currently needed.

This means that the performance of the vacuum system adjusts to meet the actual demand. In addition, the vacuum pumps are operated alternately, so they are all operated for approximately the same amount of time.

The network of pipes from the vacuum system to the machining equipment can serve as a vacuum buffer, which means that it is constantly evacuated.

The advantage here is that the vacuum required for clamping is available immediately when the valve on the clamping equipment opens.

## Reliability

A central vacuum supply ensures the highest degree of reliability. If a vacuum pump should fail, this does not affect the machining process at all as the remaining vacuum pumps deliver more output accordingly. Larger leaks can also be bridged in this way.

## Maintenance

Mink claw vacuum pumps work nearly maintenance-free. Changing the gear oil can be carried out during operating time.

The technician can shut one vacuum pump off directly at the vacuum system and change the gear oil without compromising the performance of the vacuum system.

## Making use of waste heat

Concentrating all vacuum generators in one room makes it easy to make use of the waste heat from the vacuum pumps.

This can be done by simply feeding the exhaust air into a heating or warm water system, or also by converting the heat energy with a heat exchanger. In this case, finding the most effective solution also depends on the individual conditions on site.

## Summary

Centralisation of the vacuum supply requires several basic considerations. The savings in energy costs, or general operating costs, which can be drastic in some cases, should be weighed along with the investment costs.

The costs for the actual central vacuum system can be reduced by integrating any already existing mink claw vacuum pumps. The site and construction conditions are pivotal cost factors with regard to the pipeline network.

Also important here is that a technically optimal and economically efficient solution can only be realized with the help of a designated vacuum expert. Busch Vacuum Pumps and Systems has decades of experience in installing central vacuum systems worldwide and can provide many references in this field.

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Here is a typical central vacuum system for supplying a large woodworking plant with vacuum.

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- Spatial situation.

The benefits of a centralised vacuum supply when compared to decentralised vacuum generation with vacuum pumps located in the direct vicinity of the machining equipment are:

- Highest degree of energy efficiency.
- Highest level of reliability.
- No machine downtime during maintenance.
- Effective use of waste heat.

## Some practical considerations

When acquiring machining equipment, usually one or – in the case of two machining tables – two vacuum pumps are delivered, for example.

The performance of these vacuum pumps is designed for the maximum requirements and usually has additional reserve capacity. Depending on the material used, work pieces and processing times, this type of vacuum pump can be oversized.

For example, if a plant has several machines with a total of 15 vacuum pumps working in three-shift operation 24 hours a day, the energy consumption for the plant's vacuum supply alone is not insignificant.

## Here is an example:

15 vacuum pumps, each with 5.5 kW, consume 1,980 kilowatt hours (kWh) in 24-hour operation. At an electricity price of 0.10 EUR/kWh, the resulting daily energy costs are close to EUR 200.

At 220 working days/year, the annual electricity costs amount to EUR 43,560. The actual clamping times during

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# AXYZ INFINITE SETS NEW CNC BENCHMARK

FOLLOWING successful completion of a major rebrand and restructuring initiative, the recently constituted Axyz Automation Group has announced the first of a planned series of new product innovations.

The Axyz Infinite multi-purpose CNC router builds on the legacy of previous AXYZ machines in terms of outstanding build quality, reliability and higher productivity levels.

With a fresh design concept and a number of optional machine enhancements, the Infinite is aimed at setting a new benchmark for machine configurability, flexibility and price/performance productivity.

For over 30 years, Axyz routers have been renowned for their ability to meet the sometimes complex requirements of companies in many diverse industries for which advanced CNC routing/cutting technology has been a major contributor to business growth and profitability.

With around 367,000 different machine configurations currently available, Axyz routers have been able to accommodate every conceivable routing/cutting requirement, from bespoke one-off and/or small-batch through to high-volume production runs at what are acknowledged to be the most competitive prices currently available.

Key design features of the Axyz Infinite include a heavy-duty solid steel frame construction to accommodate more vigorous machine operation and a new carriage design that provides easier access for servicing.

The machine can be configured with a choice of single, dual, or triple routing/cutting heads, with a processing bed size of 3,251mm (width) by 15.24m (length).

There is also a newly designed and more efficient dust extraction system to radically reduce clogging of the router and eliminate consequent unwanted and expensive machine downtime. An improved misting system enables more efficient machine coolant/lubricant functions.

The Axyz Infinite can also be supplied with the latest optional VCarve Pro and Aspire design and production software programs, both of which provide all of the necessary tools for 2D and more complex 3D applications.

With the Aspire option, machine operators can now engage with specialised work, such as solid surface panel processing, engraving and milling and 3D model-making, thereby opening up new market opportunities and increasing profitability.

Axyz Automation Group customers also have access to a wide range of optional machine enhancements. These include the Axyz ATC (Automatic Tool Change) system that provides up to 33 tool-change stations for work involving multiple tools, the Axyz Zone Management facility for optimum material hold-down efficiency and the latest A2MC machine controller with the integrated AVS (Axyz Vision System) facility.

There is also the latest helical rack and pinion drive system incorporating a multiple gear teeth configuration. This helps spread the workload more evenly, enabling faster throughput speeds, reduced machine wear and material wastage and, ultimately, a longer than normal machine life.



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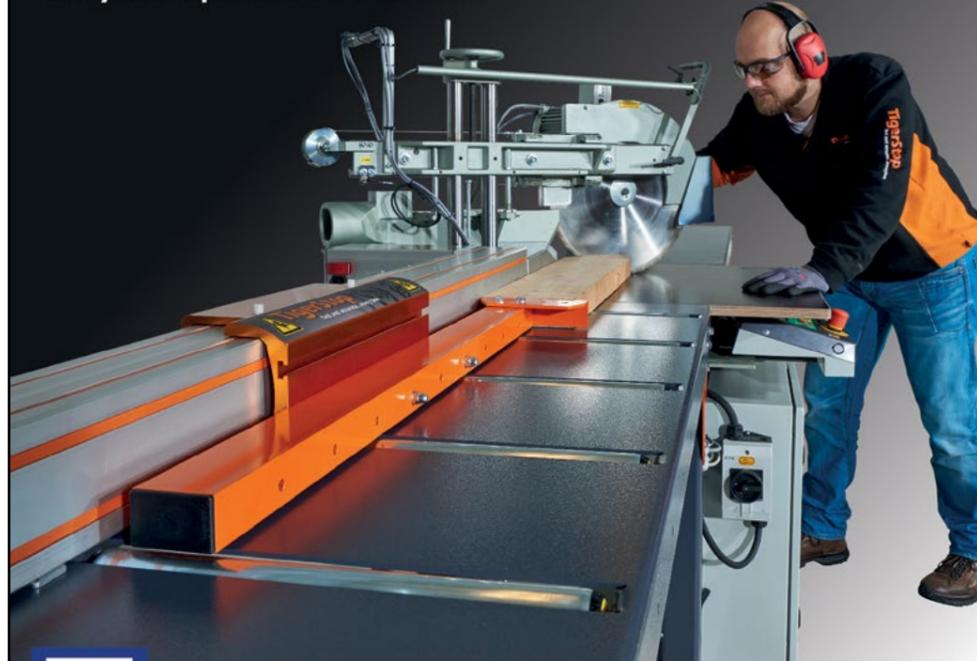
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# MAKING SAVINGS FOR ANOTHER SPECIALIST EXHIBITION COMPANY

A BANBURY exhibition company has purchased a wood waste heater from Wood Waste Technology to save money on waste disposal costs and obtain free heating for its workshop.

Modex Exhibitions specialises in exhibition stand design and construction, so generates a lot of timber, MDF and other wood waste, as a result of its manufacturing process.

Director of Modex Exhibitions, Rob Brooks had seen one of Wood Waste Technology's wood waste heaters in a neighbouring kitchen manufacturer's premises on his industrial estate, so he saw first-hand how investing in a wood waste heater could reduce his business operating costs.

As a result, he telephoned Wood Waste Technology to find out more and arrange a site-survey and quote.

Whilst the potential savings on waste disposal costs were attractive, the team at Modex Exhibitions was also interested in how the wood waste heater could provide free heating, as the old gas heaters that were originally in the workshop had been removed, with the result that the 12,000ft<sup>2</sup> space could be a cold place to work in winter.

After speaking with Wood Waste Technology, the company ordered a wood waste heater, which was installed by Wood Waste Technology's dedicated engineers earlier this year.

With waste disposal such a priority for the business, Modex Exhibitions ordered a WT15 with an additional summer heat dump, to allow the business the option to send unwanted heat to atmosphere, rather than into the factory, to allow the team to continue using the heater to burn wood waste throughout the warmer summer months.

'I'm delighted with our new wood waste heater and the savings on waste disposal, as it means that the investment will pay back in around 12 months,' says Rob Brooks.

'Working in the exhibition industry, we don't just generate waste wood from production of the exhibition stands, but also from any returned stands, which need to be disposed of, if clients don't need them again. In addition, the team is delighted that the workshop is now lovely and warm, no matter how cold it is outside!

'We're finding many exhibition companies are looking at biomass solutions, due to the amount of waste wood that is generated in that industry, and the speedy pay-back on investment,' says Wood Waste Technology managing director, Kurt Cockcroft

Wood Waste Technology offers a full range of wood waste heaters, from small hand-fired units to larger fully automatic systems and offers site survey and design, as well as manufacture, installation and on-going maintenance.

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's official distributor for Gross

Apparatebau GmbH, a German manufacturer of dependable, precision engineered shredders and briquetters.

The company is also a distributor for Putzmaus boiler tube cleaning systems - a powerful but gentle routine maintenance solution that is quick and easy to use and helps to increase boiler efficiency and lower operating costs.

For further information tel Wood Waste Technology on 01785 250400. Visit [www.woodwastetechnology.com](http://www.woodwastetechnology.com), [www.grossuk.co.uk](http://www.grossuk.co.uk) or [www.putzmaus.co.uk](http://www.putzmaus.co.uk).



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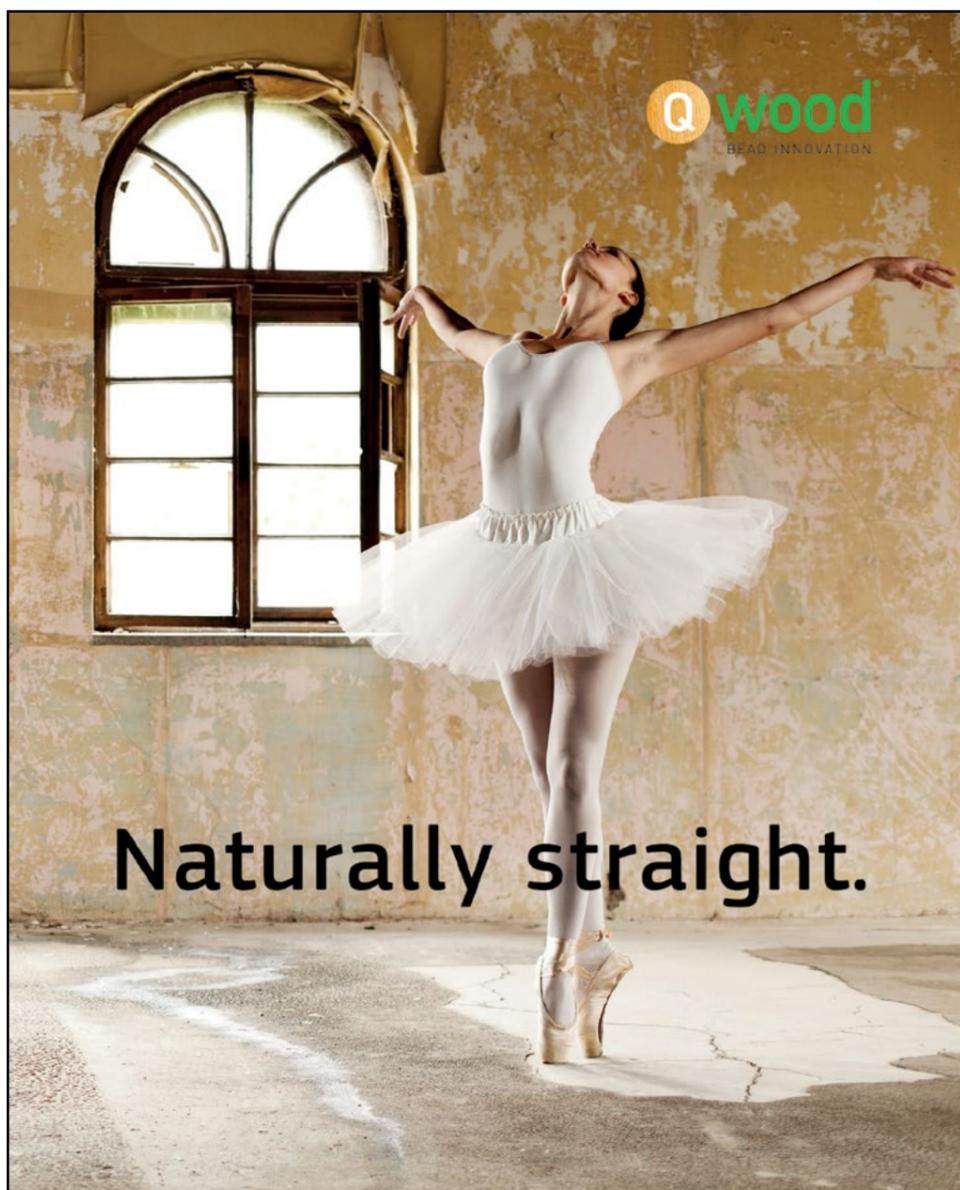


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The new Konnekt series enables furniture designers and manufacturers to design furniture with the end user experience at the heart of the process, that is quick and simple to assemble and offers significant time savings throughout the assembly process.

The OVVO® V-1230 Konnekt series consists of a range of components that now allow manufacturers with nesting, drilling and end milling capabilities to easily integrate the patented OVVO® connection profile into their designs and deliver significant benefits and improvements for the end user, without the use of tools, screws, or glue.

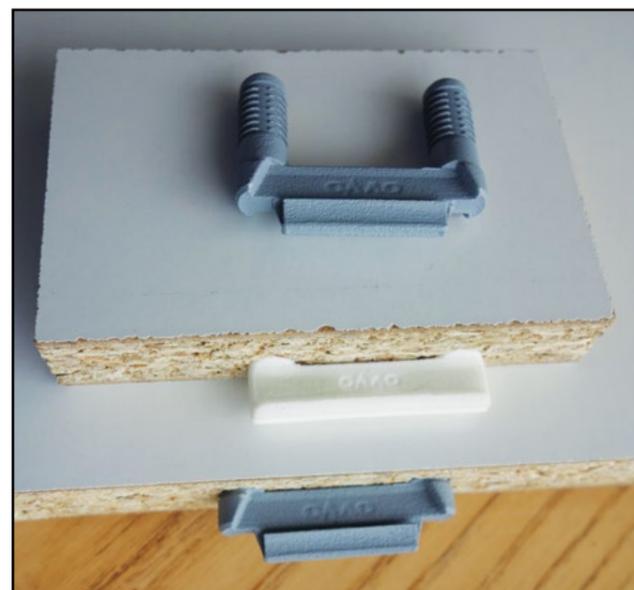
All components work in all board types, solid woods and panels from 15mm and above and all work interchangeably:

OVVO® Konnekt V-1230 for Nesting: a push-in component, which requires only a single 25mm drill hole.

OVVO® Konnekt V-1230 for End Drilling: incorporates two invisible, self-locking, dowel-type "pins" with 32mm centres that use the inbuilt tolerance of the housing to deliver a secure hold.

OVVO® Konnekt V-1230 for End Milling: an invisible three-part system with inbuilt tolerances and automatic alignment.

OVVO® Konnekt V-1230 for drawer slides: easily attaches and automatically aligns drawer slides without tools, can also be used for attaching other metal brackets to furniture. Each component is available in permanent and releasable versions.



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## OBITUARY Derek Statham



LEITZ TOOLING UK, works and service manager, Derek Statham passed recently after a short illness.

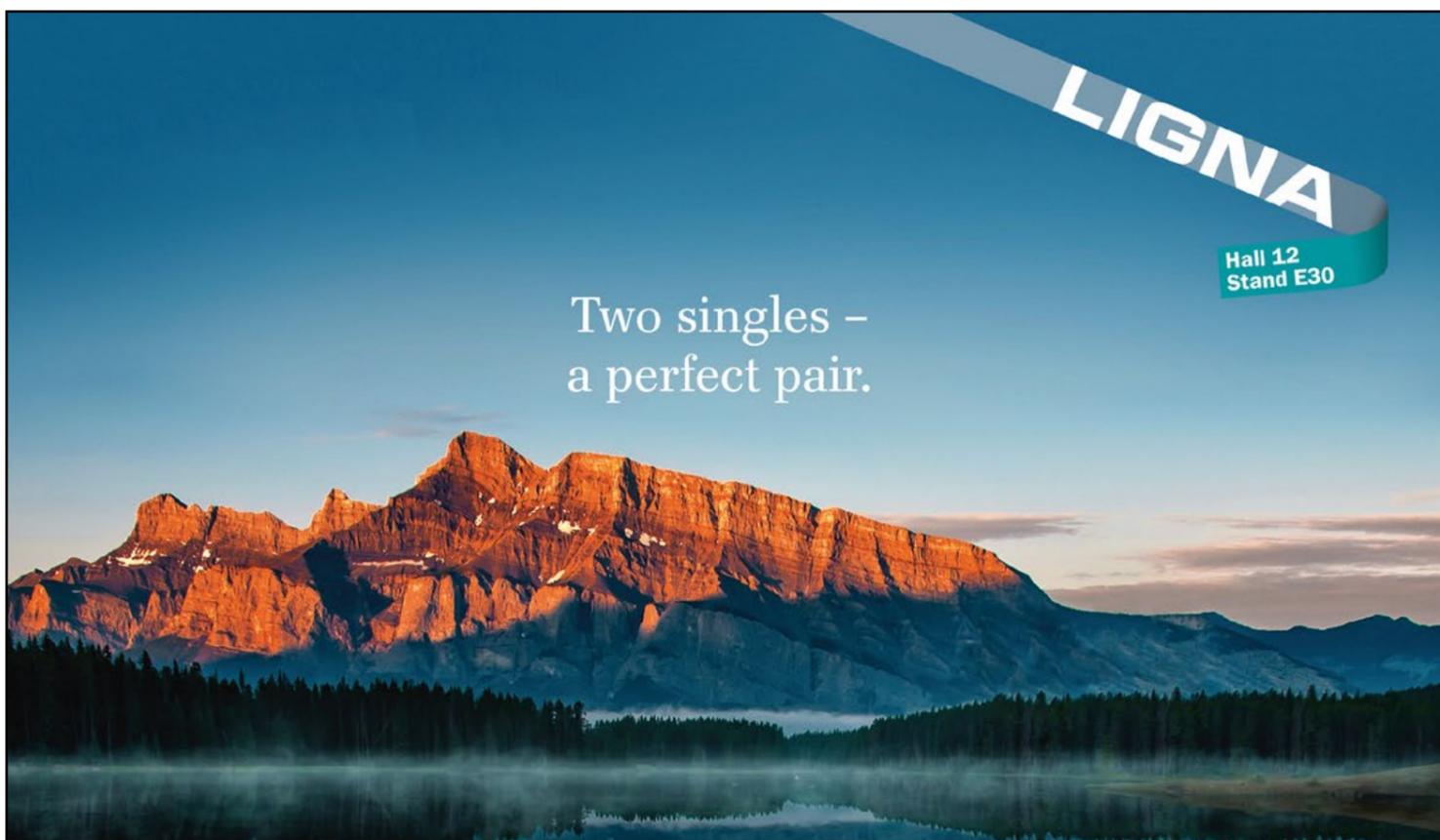
Derek was dedicated to a quality and service from which both Leitz Tooling UK and its customers benefited over his 38 years with the company. He was a major part of the Leitz UK expansion and smooth operation across the country and was highly respected by managers and employees alike.

'Derek was a remarkable man. He was dedicated to the success of the company and, in particular, to the service side of the operations. He was held in high regard by senior management at our head office in Germany as well as by the UK staff,' says Leitz Tooling UK managing director, Simon Lidell.



Hall 12  
Stand E30

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# SPECIALIST IN THE PROVISION OF BIOMASS BOILERS & POWER PLANTS

THE global energy situation is characterised by limited natural resources – 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.

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.....energy from wood

# NEIGHBOUR CONSTRUCTION SAYS SOFTWARE MAKES THEM “A REAL PLAYER”

UNTIL just over a year ago, building and joinery company, Neighbour Construction had never used a CNC machine and didn't know that combining it with specialist software could help transform the business.

When the company invested in a Felder Profit H 200 pod and rail machining centre, Felder recommended they program it with Cabinet Vision software, as almost all their work is bespoke.

Now, Neighbour Construction director, Dominik Dubaj says that Cabinet Vision has eliminated all human error and means that they can cut around 16 cabinets for a kitchen and have them sanded with a primer coat applied, within a day or two.

In addition, bedroom wardrobes, which would have taken two or three days to make previously, can now be produced in around five hours, to the pre-assembled stage.

'We had zero knowledge and experience of working with CNC machine tools, but saw immediately that the standard proprietary software was not going to be effective in creating programs for the bespoke products we manufacture, as the calculations would have simply taken too long,' says Dominik Dubaj.

'From the very beginning Cabinet Vision removed any issues we had previously with manual work where panels sometimes weren't square and had to be redone,' says Dominik.

'We'd only find those problems when something wouldn't assemble properly on site. However, Cabinet Vision ensures that every panel is 100 per cent accurate and means that our installations now take just one or two days instead of a week,' says Dominik.

Neighbour Construction has recently replaced a panel saw with a Felder CF 741 S combination saw and even though Cabinet Vision doesn't program it, as it's a manual machine, the software does play a large role with it.

'Cabinet Vision has been specially configured for us to generate a cut-list for pre-cutting the panels on it,' says Dominik Dubaj.

The company worked with the same type of bespoke User Created Standard (UCS) for their previous panel saw, too.

'We use the Cabinet Vision cut-lists to pre-cut the panels on the combination saw, oversized by 6mm. Then the software generates precision dimensions for finishing on the Profit H 200 pod and rail machine. These correspond to the design and the program includes features, such as holes for our cam and dowel joints,' says Dominik.

As well as manufacturing and fitting joinery products, the software means that the company can also offer their products in flat-pack format for customers who want to carry out the assembly themselves.

It guarantees that the panels have the required high precision throughout including overall dimensions and the positioning of the cam and dowel holes.

Neighbour Construction was formed in 2006 as a building company, before expanding to provide fit-outs with joinery and cabinetry for kitchens, bathrooms and bedrooms.

Having successfully built a strong reputation, Dominik Dubaj felt the time was right to take the company to the next level, which involved moving to a bigger workshop and investing in CNC machinery.

At 3,000ft<sup>2</sup>, new premises in Edmonton, North London, are between three and four times the size of the old factory and the company now operates with five employees.

'The combination of machinery and Cabinet Vision helps keep costs down, whilst ensuring that everything we produce is right first time, every time,' says Dominik Dubaj.

Working mainly with moisture-resistant MDF Medite, birch plywood, and other veneered MDFs, the first part of the process is to design the individual cabinets and the room layout in Cabinet Vision.

'We even use it if we're only creating a couple of cabinets. I can't imagine doing any joinery cabinet work without it now,' says Dominik Dubaj.

'The 3D design already has the NC codes behind it, which means that we only need to do the work once. Then we produce the cut-lists. The process really is that simple,' he adds.

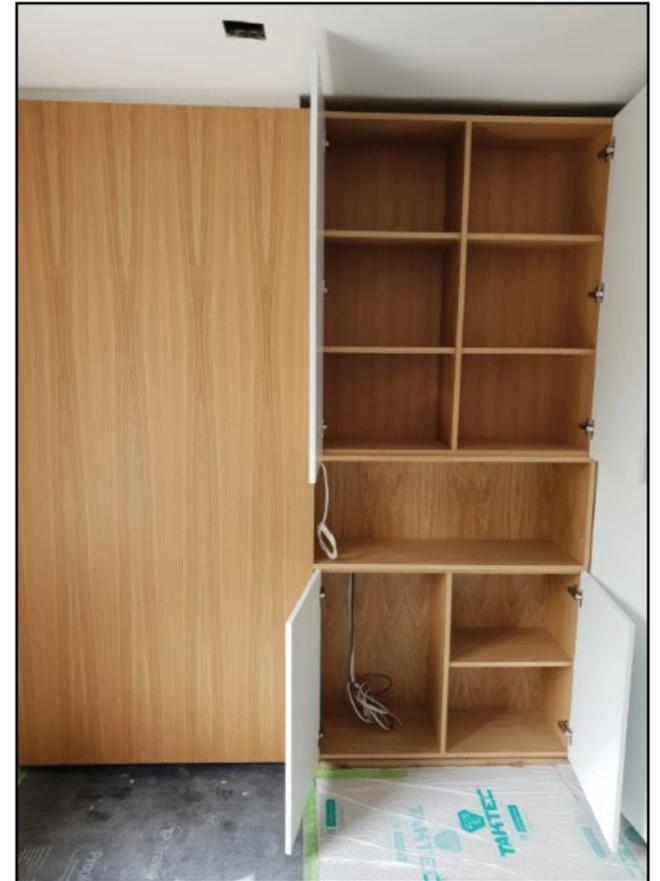
'With Cabinet Vision we have an image of what we're cutting, so we can see the panels both on-screen and on print-outs and we have a list of dimensions for the operator to follow, along with the labels for each panel which are printed in sequence,' says Dominik.

'Our machine operators follow the cuts on the list and we can easily keep order of the panels and know which programs need to be executed to build a bespoke cabinet. It also shows the amount of material we need, which helps us get accurate costings,' he adds.

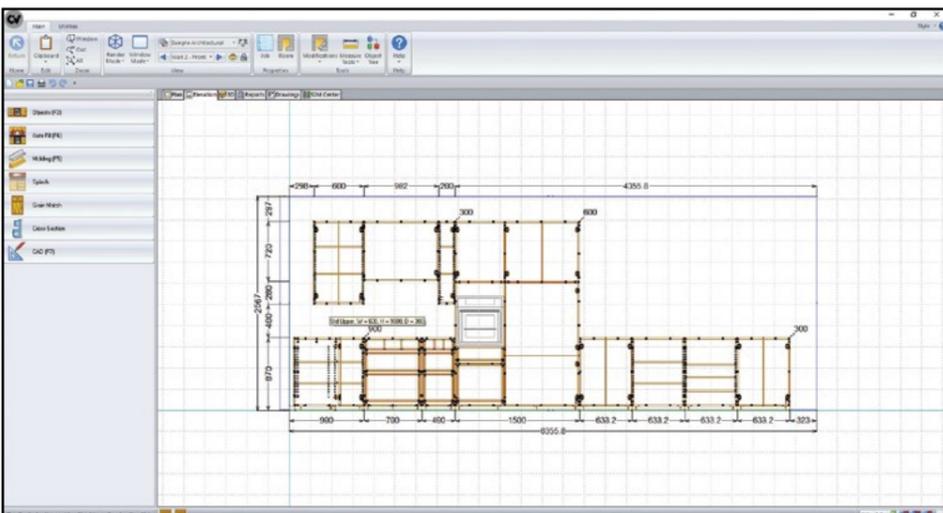
In conclusion, Dominik says that Cabinet Vision gives the business greater capacity, as it only takes a couple of days to get product from design to

installation, if necessary, as is often the case.

'I can't imagine producing precision products this quickly, if we were still using the traditional methods that we used to use in the past. Cabinet Vision makes a major contribution to us being a real game player today,' concludes Dominik.



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



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# LIGNA 2019 LAUNCHES LATER ALL THE LATEST VERY LATEST

AT THE end of the month over 1,500 companies will be gathering in Hannover, Germany, to showcase the future of the woodworking and timber processing industries.

Whether it's about digitization, automation, IoT platforms, or collaborative systems, LIGNA is where innovations are shown for the first time – and on an unrivalled scale.

In all, 130,000m<sup>2</sup> is the total net display area that will be occupied by exhibition stands featuring the latest woodworking and timber processing plant, machinery and tools.

'From May 27- 31, exhibitors from over 50 countries will gather at the Hannover Exhibition Centre to showcase state-of-the-art processing solutions, applications and concepts for the entire forestry and woodworking industry.

The presence of all the world's leading technology providers will make Hannover the

global hotspot for the wood-based industries during those five days.

No other fair compares in terms of international appeal,' confirmed managing board member at Deutsche Messe, Dr Andreas Gruchow.

'Once again in 2019, LIGNA will serve as the industry's showcase of choice for unveiling their innovations, with a great many exhibitors even timing their development cycles to coincide with the show's staging every two years,' added Dr Gruchow.

Visitors can expect to see innovations across all display categories, from forestry technology, furniture and window manufacturing, through to tooling systems and surface technology.

They will also see live demonstrations of fully functional furniture production plants, learn about IoT platforms for Industry 4.0 plants and the latest research and development projects and be able to participate at networking events throughout the show.

'One of the big challenges is the ever greater trend to product individualisation – a trend that is putting pressure on manufacturers to deliver customised products at least as quickly, profitably and efficiently as with series production. It's these sorts of challenges for which LIGNA exhibitors will be presenting solutions,' explained Dr Gruchow.

LIGNA 2019 has the following focus themes:

- Integrated Woodworking.
- Customised Solutions.
- Smart Surface Technology.
- Access to Resources and Technology.

The latter is also the keynote theme of the Wood Industry Summit – "Integrated Woodworking – Customised Solutions".

In the woodworking industry, there is keen interest in IoT application scenarios, such as condition monitoring and predictive maintenance, as a means of further boosting production plant efficiency.

In such scenarios, humans remain an integral part of the production process. but are supported by cyber-physical assistance systems, such as collaborative robots, automated guided vehicles and smart worker support technologies.

The trend is thus towards hybrid human-machine production systems in which the product is inextricably linked to the production plant and the humans who operate it.

'Visitors to the next LIGNA will gain captivating insights into what the future has in store for the furniture and woodworking industries,' explained Dr Gruchow.

Smart Surface Technology

Themed "Smart Surface Technology", the surface finishing exhibits at LIGNA 2019 will span all the intelligent processing solutions needed to cater for today's surging demand for haptic, matt and reflective surfaces. That's digital printing and decorative gravure printing systems, inspection systems, the latest generation of spray coating machines, robotics systems, and much more besides.

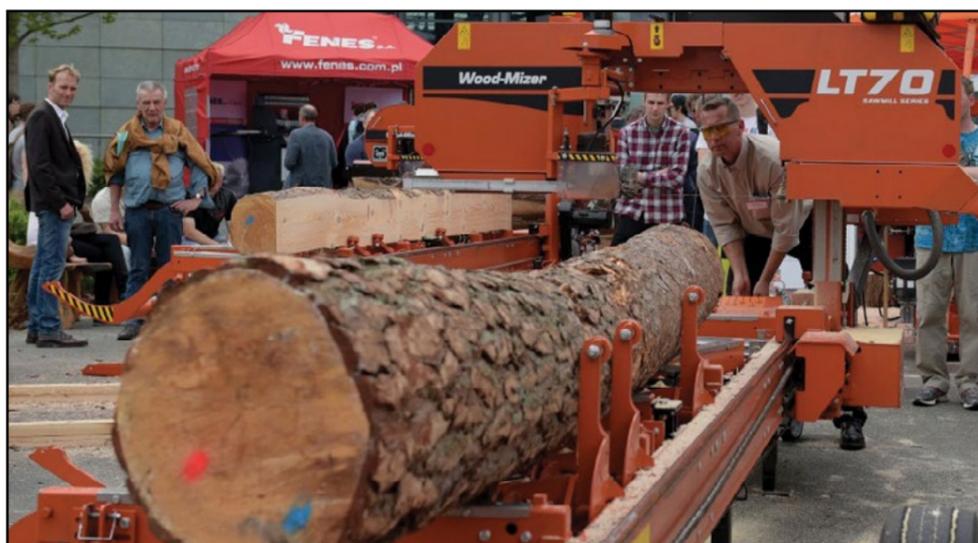
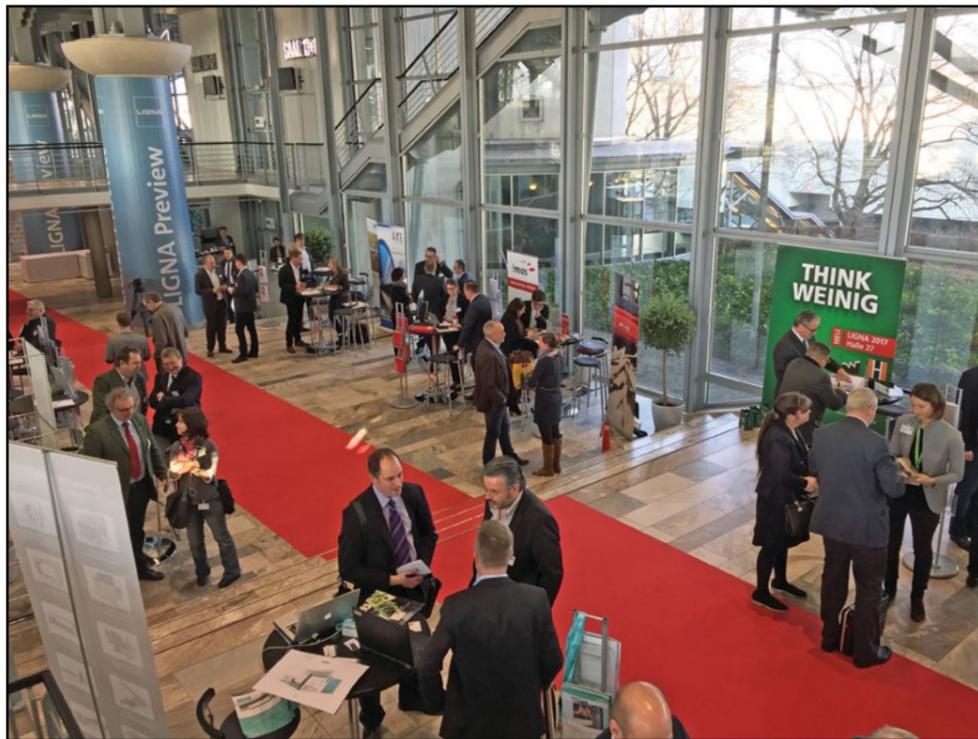
Here, too, digitization and automation are the key to achieving greater flexibility while keeping costs to a minimum. The full range of the latest surface technologies, applications, innovations and solutions will be on display in Halls 16 and 17.

"Access to Resources and Technology" at the Wood Industry Summit

Providers of technology for the forestry and/or primary wood processing industry, in particular, will have an unrivalled opportunity to tap into new growth markets at this year's Wood Industry Summit, which is themed "Access to Resources and Technology".

Complete with forum, lounge and exhibition area, the summit is all about international communication and technology transfer.

Among much else, its focus will be on ways of optimizing the entire forest-wood-



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# THIS MONTH - BE THERE FOR TECHNOLOGICAL OFFERINGS

logistics value chain – from standing trees through to final processing in the factory – as well as on protecting forests from biotic and abiotic damage and on climate and environmentally friendly harvesting processes and the future of the forest and wood industry.

Digital technologies, such as drone-based data capture systems, mobile applications, laser scanners and highly sophisticated IT programs, now span the entire forestry value chain, from forest information and integrated harvesting systems right through to modern forest management systems.

And, in each case, the focus is squarely on efficiency and productivity. Digitization will therefore be a prominent theme at the discussion forms and throughout the exhibits at LIGNA 2019.

## Main display categories

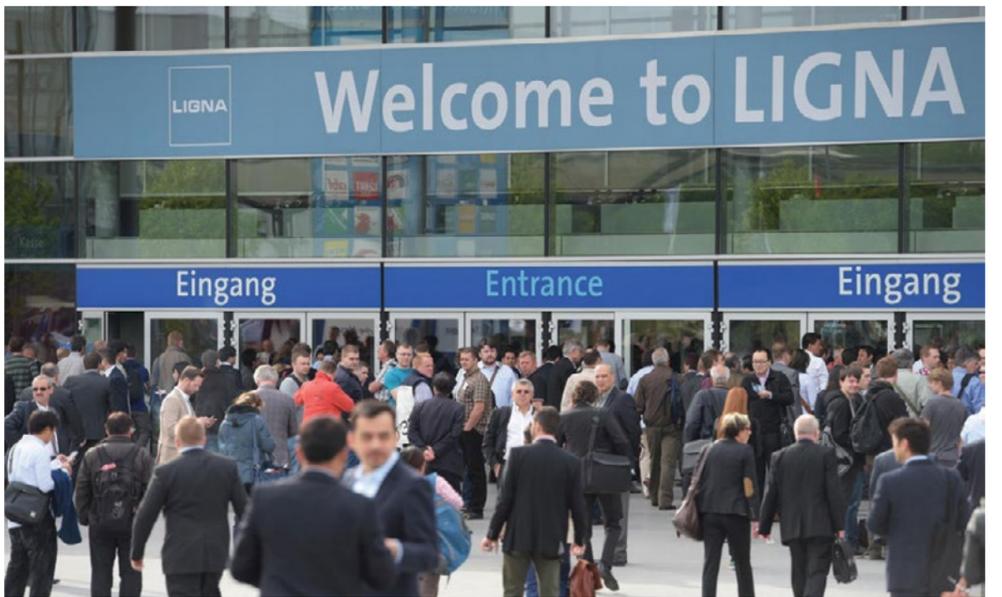
The previous LIGNA event in 2017 featured a restructured site layout featuring seven main display categories – a layout well received by exhibitors and visitors, alike, and this is to be continued in 2019:

- Tools and Machinery for Custom and Mass Production in Halls 11 to 15 and 27.
- Surface Technology in Halls 16 and 17.
- Wood Based Panel Production in Hall 26.
- Sawmill Technology in Hall 25.
- Energy from Wood in Halls 25 and 26 and in Pavilions 32, 33 and 35 on the open-air site.
- Machine Components and Automation Technology in Halls 15 and 16.
- Forestry Technology on the open-air site and in Pavilions 32, 33 and 35.

## Guided Tours

In order to help visitors get the most out of next year's show, the organizer is offering Guided Tours on "Smart Surface Technology", "Integrated Woodworking – Customized Solutions" and "Sawmill Technology – Innovations and Trends".

For further information visit [www.ligna.de](http://www.ligna.de)



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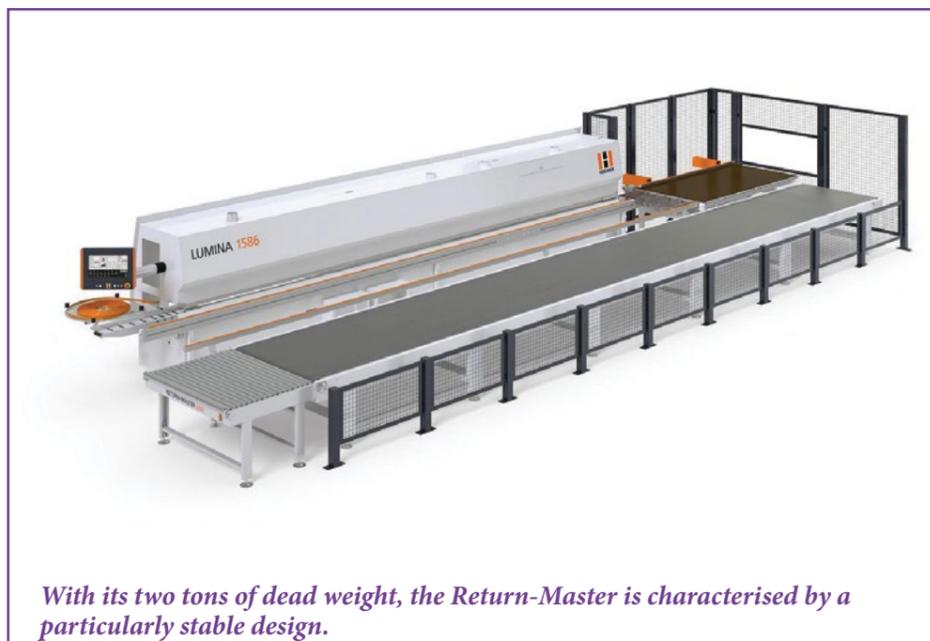
# HOLZ-HER PURSUES ITS SUCCESSFUL COURSE WITH NEW INNOVATIONS



With the Evolution 7402 a fully equipped drilling head (15 spindles) including a grooving saw is available to cover all drilling requirements.



The Evolution 7405 4mat features an integrated six-position tool changer: for example milling, cut-outs, engraving, profiling and furniture joints.



With its two tons of dead weight, the Return-Master is characterised by a particularly stable design.

DIGITISATION has been changing our working world at an incredible pace for years. From the beginning, Holz-Her focused not only on increasing efficiency for the customer, as a matter of course, but also on a high degree of transparency of production processes and particularly user-friendly new applications.

“Plug and play” is the No 1 requirement for all new developments. At LIGNA 2019 Holz-Her will present its solutions and products with live demonstrations to prove that this is possible.

#### Automation Pro

The next big step in automated production at Holz-Her is called Automation Pro. This concept is the logical continuation of the innovative Nextec solutions.

It interconnects the entire production process from the Store-Master panel storage system to finished pieces of furniture across the entire Holz-Her machine inventory, even in large interior fitting companies and in industrial production.

Holz-Her's, pre-installed solution defines the production route. The Holz-Her warehouse has a key function here. Released orders are transmitted to the Holz-Her warehouse for management and processing instructions are distributed to the relevant Holz-Her machines, such as saws, nesting machines and edge-banders. New Holz-Her machines can also be integrated.

#### Nextec 4.0

With the Nextec 4.0, Holz-Her has taken the Nextec workshop of the future one step further. The new Nextec 4.0 office software module is a standard feature of the Push, Automatic and Lift Edition machine versions.

For the customer, this means that the software and database for production control, as well as the CabinetSelect software are already pre-installed.

Another component of the package is the Holz-Her warehouse designed for managing orders directly at the machine or in the office. The integration into the customer's company network can be performed easily. Upon request, an additional module serves as an interface to the Holz-Her edge-banders.

#### Evolution series

Efficient production is hardly conceivable without a CNC processing center, even in smaller carpentry businesses. And there's

room for it even with the minimum of space: with its Evolution series, Holz-Her offers complete vertical processing with a small foot-print. The processing capabilities of the vertical CNC processing centres from the Evolution series are almost unlimited.

Even with the new Evolution 7402 4mat you can benefit from four-sided formatting. Even the standard version of the drilling and formatting centre is equipped with a powerful 5.6 kW spindle, making it ideal for cut-outs and pockets.

A fully equipped drilling head (15 spindles) including a grooving saw are available to cover all drilling requirements. Optionally, the system can be equipped with even stronger spindles and larger drilling heads.

The 7405 4mat can do even more with the integrated six-position tool changer: for example milling, cut-outs, engraving, profiling, furniture joints.

New is the ingenious door package “Doors Ready”. It consists of a specially developed angular gear for lock mortises and a lock mortise cutting unit. The package allows for complete processing of door leaves up to 70mm thick.

#### Tectra 6120

With its new appearance in dark grey, the Holz-Her Tectra 6120 pressure beam saw matches the design of the Holz-Her machines perfectly. It offers a maximum of performance and quality for perfect panel splitting.

The standard electrical adjustment of the 2.2 kW scoring saw saves a great deal of time and offers a precise adjustment of the scoring saw blade. A bi-directional grooving device is another standard feature.

The Tectra variants range from the Classic or Power versions for manual loading, through the Lift variant with lifting table to the Dynamic, which is operated via the Store-Master storage system.

In Holz-Her machines, the collets are float mounted on linear guides, preventing pressure marks on the material. The 7.7 kW main saw motor can handle jobs at top speeds of up to 130m/min.

The EasyPlan software allows parts to be optimised and moved and it even supports the representation of furniture fronts.

#### Return-Master 5920

Even in smaller workshops, automation is becoming increasingly important in order to



The Holz-Her Tectra 6120 pressure beam saw offers a maximum of performance and quality for perfect panel splitting.

remain competitive and to operate extremely profitably.

The Return-Master is a component for automated edge processing, whether in series production, or for single-item batches. The return unit from Holz-Her enables efficient single-operator use for increased productivity and maximum flexibility. This makes the Return-Master 5920 the perfect supplement to all Holz-Her edge-banders.

In comparison with many competing products, the Return-Master with its two tons of dead weight is characterised by a particularly stable design.

Further quality features include the tilting air pad table and the certified safety package for a safe work place. With its high-quality drives and guides, the Return-Master is very low-maintenance and extremely durable.

**LUMINA 1596**

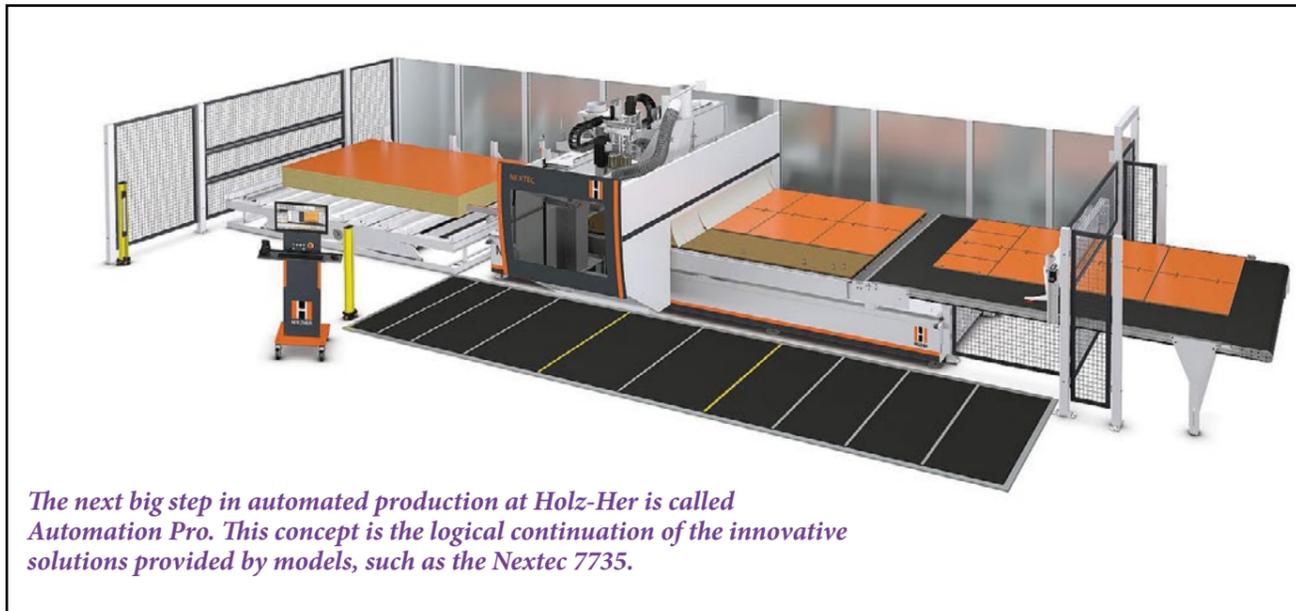
The edge-banders of the Lumina series stand for perfect zero joint technology with laser edging and PUR. The Lumina 1596 4.0 edition convinces with further highlights.

The NC servo axes of the latest generation ensure lightning-fast changeover to different applications and guarantee a high level of repetition precision, accuracy and longevity.

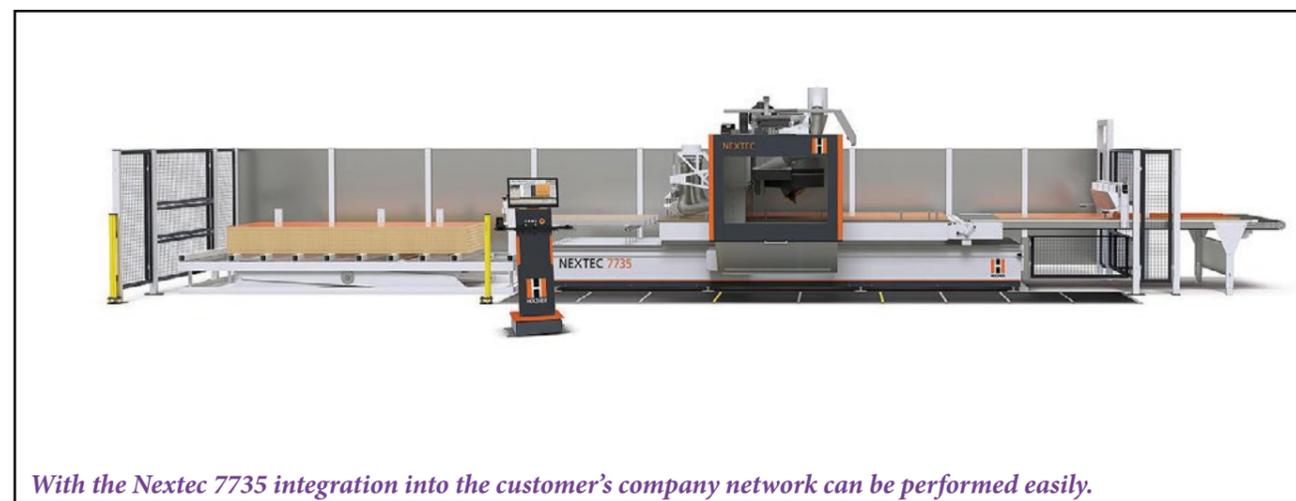
Another hot topic for efficient edge-banding is "Equipping in the gap". This allows different processes to be carried out simultaneously on the edge-bander. For example, the corner copying unit can be switched on intelligently without having to idle the machine for set-up.

The new intelligent operator guidance allows an even more intuitive adjustment of all cutting and scraping operations. The operator can perceive visually at any time which corrections are being made in which direction.

The values entered at the control for horizontal and vertical tool adjustment are automatically converted to the actual axis values in the background and can be re-applied with a high level of precision at any time. Test work pieces are now almost a thing of the past.



*The next big step in automated production at Holz-Her is called Automation Pro. This concept is the logical continuation of the innovative solutions provided by models, such as the Nextec 7735.*



*With the Nextec 7735 integration into the customer's company network can be performed easily.*

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

# ALTENDORF GROUP AT LIGNA 2019



AT this year's LIGNA Hebrock edge-banding machines and Altendorf sliding table saws will be displayed together on the booth in Hall 12.

The edge-banders have been re-designed. They now bear a strong resemblance to the design of the Altendorf F 45 sliding table saw - the winner of multiple awards. This step has given an even sharper edge to the machine profile of the Altendorf Group.

The Altendorf Group will also inform visitors about its latest innovations, options and product improvements regarding both product lines.

In addition, the company will devote much space to the overarching themes of digitalisation for craftsmen and occupational safety.

Digital services and connected machines, to one another and

to areas, such as office, material warehouses, purchasing and work preparation, will also be discussed.

Safety for all machine categories will be a key issue in product development at the Altendorf Group in future years.

A focus on themes of the future

One major goal of the Altendorf Group is not only to address themes of the future in the handicraft sector, but also to act as a momentum generator in this area.

The topic of digitalisation is a top priority here. Digitalization projects tailored to the needs of the international handicraft sector can be carried out much faster in the group than they could have been by the individual companies.

Under the Altendorf Group's plans, digital services will play a bigger role in the future as a way of accelerating the process

of offering the company's entire service range to the market.

One possible option would involve expanding the online registration of machines in order to provide faster and better spare part and repair services.

The range of online maintenance support will be expanded significantly to reduce machine downtime.

With the help of an international online user platform, the Altendorf Group intends to integrate its customers into a broad range of processes.

Various forums will provide customers and users with the opportunity to share their views - a step designed to strengthen the global user community.

Crowd sourcing is to be used as a way to develop products that customers actually need in order to work even more successfully in future.

The term "product" does not refer exclusively to hardware. Service products are expressly being considered as well: remote services, financing solutions, online training, service on demand and much more.

After the acquisition of the Altendorf company in 2017, the investor Avedon, together with the management team devised a concept that shows how they would position the company in the near future: the Altendorf Group would subsequently become a supplier of high-quality machines for the international craft businesses in the field of panel-based furniture manufacturing.

In addition to the classical sliding table saw, two additional categories of machines are planned and the Altendorf Group will become a partner of the handicraft sector in the areas of cutting, edging and CNC boring.

The first steps to successfully implement this concept around the world have already been taken: Hebrock, a company based in eastern Westphalia, Germany, whose edge-banding machines have made an international name for themselves, has been integrated into the Altendorf Group since April 2018 and further acquisitions are planned in the near future.

For further information tel Altendorf on 00 49 571 9550-0. Visit [www.altendorf.com](http://www.altendorf.com)

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# THINK WEINIG

## WEINIG AT LIGNA: TECHNOLOGY FOR

MORE exhibits, more novelties and more live experiences than ever before: the Weinig Group with its two brands - Weinig and Holz-Her is looking forward to a great showing at LIGNA 2019.

In Hannover, the leading technology provider for solid wood and panel processing will present itself on an area of 5,000 m<sup>2</sup> - a considerably larger exhibition space compared to LIGNA 2017.

Under the motto "THINK WEINIG", more than 50 exhibits await customers in Hall 27. Among them are numerous innovations and evolutions.

A unique range of solutions will be on display, covering the entire value chain and appealing to both small workshops and the woodworking industry as a whole.

A special highlight of the stand will be a complex production line in which all areas of competence of Weinig AG are directly, or indirectly, integrated. All machines and systems will be demonstrated live in action.

### New moulders for the high-performance sector

Weinig will present three new developments in its product unit for planing and profiling.

In the high-performance sector, the new Hydromat generation will celebrate its world premiere. The machine series has a performance potential of up to 300m/min. Feeding is performed via the new SF 200 accelerator.

The modular system allows pre-planing with a high wood yield, as well as finish planing with high surface quality.

The features of the new Hydromat series also include high-precision profiling and splitting for even higher performance. Technically, the new integrated tool changing aid and the new tools with HydroLock system stand out.

Fully automatic positioning of the aggregates and lateral fences, as well as a new Weinig spindle temperature monitoring system complete the equipment.

The new control generation WMC (Weinig Machine Control) will be used as standard in the Hydromat class in the future.

The highlight is an individually configurable dashboard, which shows all essential production data at a glance.

The simple, intuitive WMC control system for Hydromats will be presented for the first time at LIGNA.

The Powermat 2400 3D is the second innovation in the product unit for planing and profiling. It allows the production of furniture parts, or designed work pieces by contour milling from the right and left during throughfeed.

Until recently, it was not possible to manufacture such parts during throughfeed. However, Weinig has achieved a technical breakthrough with the Powermat 2400 3D.

In contrast to conventional processing centres, this machine is characterised by very high output. The work pieces can be programmed freely, including a plausibility pre-check.

Another innovation at LIGNA is the Powermat 3000 for feed speeds of up to 100m/min. This moulder covers every requirement - from pre-planing with hydro technology to built-to-order production.

This particularly flexible machine sets new standards in its class in terms of operation, set-up time and safety. PowerLock tool holders and jointers ensure an immaculate multi-knife finish.

In the broad target group between ambitious small businesses and industry, industrial bead production is of particular importance.

The developers are convinced that the Powermat 3000 will set a new benchmark here with its performance and spindle technology.

Tools and tool grinders ensure independence from service providers and allow fast response to orders.

Weinig has a large portfolio of tools and tool grinders. New at LIGNA is the Rondamat 985. This machine is particularly



Weinig's Powermat 3000 moulder is a particularly flexible machine, which sets new standards in its class in terms of operation, set-up time and safety.



The Powermat 700 Blackline is optionally available with either five or six spindles and covers most of the common applications in solid wood.



Andreas Doikas is the new head of the Weinig product unit services.



The Conturex Artis has all the features that make up the current success of the CNC series. In particular, the machine offers the user limitless options in terms of window systems.



In the Rondamat 985 Weinig offers a tool grinding machine, which is tailor made to individual requirements from manual to fully automatic.

# INNOVATIVE CUTTING-EDGE TO SUIT EVERY POSSIBLE REQUIREMENT

suitable for large planer heads and knife shafts, as well as for large finger-jointing cutters.

For the Rondamat 985, a special OptiControl system is available for measuring the tools.

On the Weing stand at LIGNA, the machine will be integrated into the Moulder Master all-in-one system for work preparation.

## World premiere in Weing CNC centres

The fully automatic CNC system Conturex has long been the benchmark in window manufacturing. Weing has now added two new models to this successful range. Both will be shown in Hannover.

The Conturex Vario S is aimed at customers from the industrial sector. With new profile systems and added processing for smart home window solutions, this machine is Weing's answer to increasing demands on production technology.

The domain of the highly productive Conturex Vario S is window manufacturing. However, the new CNC centre also offers more flexibility for other applications, such as furniture and frame construction and thus contributes to securing the future of companies in this sector.

The second new launch is the Conturex Artis. With a capacity from seven window units/shift, the Artis is positioned below the previous entry-level machine, the worldwide popular Conturex Compact.

Technically, it has all the features that make up the current success of the CNC series. In particular, the machine offers the user limitless options in terms of window systems.

Its highlight is the patent pending RePos easy reclamping process, which enables variable part clamping and automatic movement of the workpieces in the machine.

The workpieces remain clamped throughout the manufacturing process, thus achieving maximum precision and quality. For complex clamping situations, PowerGrip RePos easy also enables clamping in the fold.

The qualities of the new development prove to be particularly advantageous with slim profiles and new architectural window systems. At LIGNA, both machines will be integrated into the Weing cross-cutting and pre-planing system.

## Evolution in cutting

The OptiCut 150 for hardwood users will be presented for the first time at LIGNA. The ultra-fast throughfeed saw OptiCut 550 Quantum, features even greater speed and has undergone decisive modifications in its latest version.

The new OptiCut 260 with EasyScan scanner is also available for performance-oriented cross-cutting.

The EasyStop positioning aid, which can also be retro-fitted to many types of saws, provides an entry into automation.

The simple processing of orders is guaranteed by the OptiPal packaging software.

Weing offers a completely redesigned ProfiRip 340 for ripping, which achieves feed speeds of up to 120m/min with a divided chain.

The compact ProfiPress LB gluing press with automatic packaging system will be on show for the first time in Hannover.

The compact and flexible press works with high-frequency technology and is ideally suited for operations with a capacity of up to 20m<sup>3</sup> lamellae/shift.

## More novelties in jointing technology

The focus of the product unit for jointing technology in

Hannover will be on short wood lines. New is the patented Turbo S 1000 milling combination for the production of horizontal and vertical joints. Its outstanding features are the high capacity and the individual adaptability.

On Weing's stand the Turbo S 1000 will be integrated into the Weing production line. The shaper combination automatically forms packages. Dividing saws ensure precise output lengths.

The Weing highlights in the area of jointing technology are completed by a model from the new high-performance finger jointing line of the VS series, which will soon be launched on to the market.

As in previous years, the Weing Grecon production site in Alfeld near Hannover will be opening its doors at LIGNA for a supplementary special exhibition on the subject of jointing technology.

The focus is on the powerful new generation of PowerJoint 12 and 18 finger jointing lines. In addition to these two exhibits, which will be presented live in action, another 10 systems under construction will be on display.

## Digitised systems technology for the future

Weing's competence for large-scale systems is increasingly in demand. Against this background, the "Automation & Digital Business" unit was recently integrated into Weing Concept GmbH. It brings together the entire know-how of the Weing Group.

At LIGNA, visitors to the stand can experience a complex production line consisting of eight interconnected Weing components live in action.

In daily demonstrations, the complete processing line from the raw material to the end product will be shown.

The networked processes represent the spectrum of the Weing standard W4.0 digital under realistically simulated production conditions.

This system uses robot and Weing scanner technology. The new models CombiScan Evo R200 and CombiScan NextGen will be presented. The software RaiNet is used for automated geometric measurement of the wood.

All components are centrally controlled via the new Weing Central System Control. This is a single-operator solution, which establishes a connection between the customer's in-house IT system (ERP) and production cells. The production cells receive the necessary order-related data and report operating data back.

In Hannover, semi-finished products will be manufactured live as instructed by the central system control unit and will then be further processed directly in various applications at other stations of the Weing stand.

The new business unit "Automation & Digital Business" will present the

current version of the Weing App Suite, alongside the Weing live demonstrations in Hannover. The free app offers real-time monitoring, among other things. All functions are now also available as a browser application.

The Weing App Suite is integrated into the cloud-based Siemens IoT operating system MindSphere, which serves Weing as the basis for a new standard in networking, forward-looking services and the application of production technology.

Using secure data communications, MindSphere guarantees manufacturer-independent connection of machines, applications and apps.

## Weing Concept: The CLT success story

The engineering specialist Concept focuses its LIGNA presence on CLT competence. A current customer project will be presented.

Specific processes of the individually configured production line for timber construction will be integrated into the large-scale system at the Weing stand. Demonstrations will be held to support the presentation of the overall concept.

## Added value through Weing services

As a complete provider, Weing also offers a comprehensive range of services. In Hannover, the specialists will provide information on training, finance, pre-owned machines and preventive maintenance in a separate area. Andreas Doikas is the new head of the Weing product unit services.



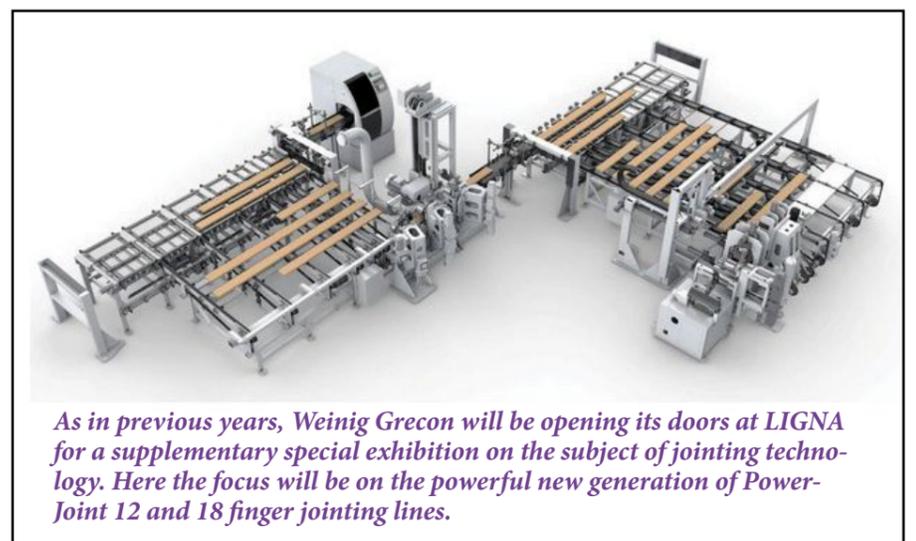
The OptiCut 260 is ideal for performance-oriented cross-cutting, especially when combined with the EasyScan scanner.



The compact ProfiPress LB gluing press with automatic packaging system will be on show for the first time in Hannover.



Weing's ProfiRip 340 has been completely re-designed. It is ideal for ripping purposes, achieving feed speeds of up to 120m/min with a divided chain.



As in previous years, Weing Grecon will be opening its doors at LIGNA for a supplementary special exhibition on the subject of jointing technology. Here the focus will be on the powerful new generation of Power-Joint 12 and 18 finger jointing lines.



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# EVERYTHING TO ENSURE THAT YOU NEVER BECOME UNSTUCK

THE Kenyon Group, based in Oldham, is the sole UK distributor for H B Fuller Rakoll adhesives.

Kenyon Group managing director, Ian Kenyon, explains that H B Fuller's adhesives cover a wide range of market sectors and applications

'We like to say there's a Rakoll adhesive for your gluing application,' says Mr Kenyon.

For 130 years, H B Fuller has been a leading global adhesives provider focusing on perfecting adhesives, with 15 manufacturing sites across the globe including just round the corner from Kenyon Group in Dukinfield, Cheshire.

'The Kenyon Group has been supplying adhesives since 1979,' says Ian.

'Over the years we have gained a wealth of knowledge relating to applications, including architectural panels, caravan walls, roof and floor panels, engineered panels, marine panels, door manufacturing, insulation, flooring industry and

furniture components, to name but a few,' emphasizes Kenyon Group's managing director, Ian Kenyon. 'We are proud to be appointed as H B Fuller's sole UK distributor for their range of woodworking adhesives, many of which are supplied under the proven and trusted brand name Rakoll,' says Ian.

The complete range of Rakoll tried, tested and proven adhesives technologies are available from stock at a very competitive price.

These proven adhesive technologies deliver all the necessary results and Kenyon says it adds to that delivery on time across the UK from stock at very competitive prices with technical support available – a complete package from one source.

For further information tel Rakoll on 0161 666 0666.  
Visit [www.hbfuller.com](http://www.hbfuller.com)



# PRESTIGIOUS AWARD GOES TO YORKSHIRE BED MANUFACTURER



YORKSHIRE bed manufacturer, Jay-Be has been awarded the prestigious Manufacturing Guild Mark from The Furniture Makers Company - the City of London livery company and charity for the furnishing industry, following a successful audit.

Jay-Be is a family-run bed manufacturer best known for its folding beds, sofa beds and children's mattresses.

The company's products are sold in more than 22 countries worldwide, through hundreds of independent specialist stores and world-famous national retailers alike.

Manufacturing Guild Mark chairman, Ben Burbidge presented managing director at Jay-Be, Roger Durrans with the certificate of accreditation at the company's manufacturing facility at Dewsbury in March.

Sponsored by Lectra and Biesse Group, the Manufacturing Guild Mark has been the mark of excellence, distinguishing

For further information tel Jay-Be on 01924 666633.  
Visit [www.jay-be.com](http://www.jay-be.com)

Britain's top furnishing manufacturers, since 1993. The mark is awarded to companies that demonstrate high standards across all aspects of the business.

'Jay-Be is the latest company to successfully demonstrate its prowess across the eight assessment criteria used to determine whether a company is deserving of a Manufacturing Guild Mark. Congratulations to the whole team at Jay-Be who should be incredibly pleased with their achievement,' says Ben Burbidge.

'We are delighted to have been awarded the prestigious Manufacturing Guild Mark and extremely proud that Jay-Be has been recognised in this way,' says Roger Durrans.

'As a company, we have a fantastic team spirit and pride ourselves on creating innovative sleep products, with increasing sustainability and functional design.

'All our beds, mattresses and sofa beds are made in our own Yorkshire factory, so we can be sure that our customers are getting the very best quality, design and service at excellent value,' he adds.

# A CUT ABOVE THE REST!

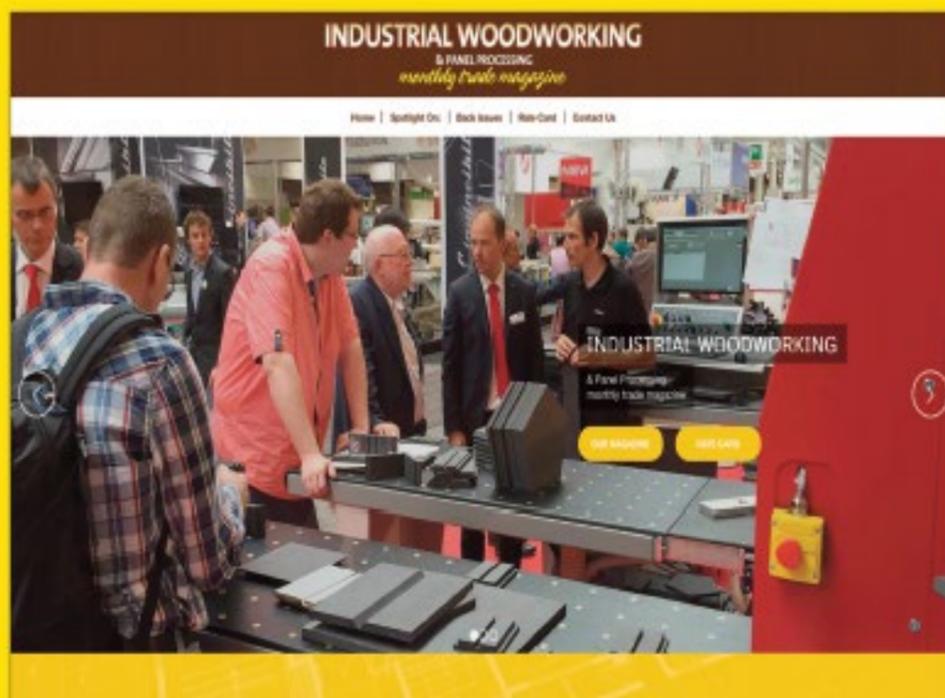
## Welcome to the Industrial Woodworking & Panel Processing Website!

Our website provides an introduction to the magazine and is updated every single month. It is designed to be quick and extremely easy to use with every one of the previous year's magazines appearing on-line, providing the woodworking professional with easily accessible information at their fingertips.

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



# [www.industrialwoodworking.co.uk](http://www.industrialwoodworking.co.uk)

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# PALAMATIC PROVIDES A LIFT FOR PANEL PROCESSORS



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 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)



To find all the latest news online go to [www.industrialwoodworking.co.uk](http://www.industrialwoodworking.co.uk) • Email us at: [bill.willowe@gmail.com](mailto:bill.willowe@gmail.com) • Tel: 01797 208059

# NOTCHING UP 90 YEARS CONTINUOUS SERVICE



SMALLBONE and Mark Wilkinson (SMWF) presented milestone career awards to three craftsmen that have together notched up ninety years' service at the Devizes workshop.

Andrew Potter and Kevin Paget celebrated 25 years and Steve Webb has been recognised for his 40 years' service.

Andrew started his career with Mark Wilkinson, drawer making at his Bromham workshop. He then progressed into the workshop at Devizes and developed expertise in the furniture production process from raw materials to the finished carcass.

Kevin also started his career at Mark Wilkinson's workshop in Bromham, joining from school. He is a third generation craftsman: his grandfather Geoff and father Dave all worked at Bromham at the same time.

Steve also boasts three generations in the Smallbone family, with Steve's own son having been a fitter and his father even grace the cover of the first ever Smallbone brochure!

'These exceptional members of staff have played a significant part in maintaining our performance standards, quality and commitment to excellence over the years,' says SMWF executive chairman, Ian Gray.

'Their hard work and loyalty has contributed to the unique craftsmanship heritage that is so important to both brands,' continues Mr Gray.

All three received a certificate to commemorate their achievements.

Andrew and Kevin both received a watch and a cash sum. Steve was presented with two crystal glasses engraved with the company logos, a decanter and a beautiful hand-crafted personalised stand, as well as a voucher for a luxury week-end away.

For further information tel Smallbone and Mark Wilkinson on 020 7589 5988. Visit [www.smallbone.co.uk](http://www.smallbone.co.uk)

## NEXT MONTH: LIGNA REPORTS





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**POWERED by a 1.1 HP MOTOR**  
INDEPENDENTLY-DRIVEN SCORING UNIT

**Precisa 6.0VR**  
1.4m Panel Sizing Saw



**Forsa 4.0 & 4.1**  
1.6m & 2.1m Panel Sizing Saw



**Forsa 8.0**  
2.6m Panel Sizing Saw



Model	Product Group Series	Specification Includes (as per quoted price)	Machine HP / Scorer HP / Volts	Depth of cut & length of stroke	Price Exc VAT - Plus Carriage	Price Inc VAT - Plus Carriage
Precisa 6.0VR - P1	Workshop	Inc Standard STC + TWE + Scorer	4.0 / 1.1 / 230v or 6.5 / 1.1 / 415v	107 mm x 1.4 m	£2,740.00	£3,288.00
Forsa 4.0 - P1	Workshop	Inc Professional STC + TWE + TLE + Scorer	6.5 / 1.1 / 415v	107 mm x 1.6 m	£3,895.00	£4,674.00
Forsa 4.1 - P1	Workshop	Inc Professional STC + TWE + TLE + Scorer	6.5 / 1.1 / 415v	107 mm x 2.1 m	£3,995.00	£4,794.00
Forsa 8.0 - P3	Professional	As Illustrated above	6.5 / 1.1 / 415v	107 mm x 2.6 m	£5,420.00	£6,504.00
Forsa 9.0 - P3	Professional	As Illustrated above	6.5 / 1.1 / 415v	107 mm x 3.2 m	£5,575.00	£6,690.00

STC = Sliding Table Carriage. TWE = Table Width Extension. TLE = Table Length Extension.

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# MOXOM JOINERY USING STATE-OF-THE-ART GERMAN MANUFACTURED MARTIN MACHINERY

SPECIALISING in architectural joinery Dorset based, Moxom Joinery offers a range of high performance engineered timber and Accoya windows and doors, utilising state-of-the-art equipment that ensures consistent, high quality products.

Moxom Joinery has achieved the British Woodworking Federation's (BWF) Code of Conduct Standard.

The Code is managed by physical audit on joining the BWF and includes an 8 point assessment covering key areas, such as technical expertise and training, clarity of contractual dealings, compliance with employment, Health and Safety and education legislation.

Achieving this standard assures you that Moxom Joinery is committed to best practice in every area of our operations, especially customer care.

Moxom Joinery works with architects, developers, interior designers and aspirational self-builders, exploiting the benefits of high performance timber to the full.

Engineered timber is made by joining/gluing together multiple pieces of the best fault free wood giving greater dimensional stability, improving performance and decreasing the risk of misshape by minimising swelling and warping so combining high performance and aesthetic appeal.

Engineered timber generates 25 per cent less waste than solid timber and the waste that is generated is recycled making engineered timber the greenest material to build with.

High performance windows and doors, utilising state-of-the-art machinery and equipment that guarantees the highest quality products – each time, every time.

Accoya® wood is a high-performance wood. Created from sustainably-sourced wood, Accoya undergoes a proprietary, non-toxic acetylation process that permanently modifies the wood to the core.

The result: an environmentally friendly solid wood with durability, dimensional stability and beauty that matches or exceeds even the best tropic hardwood.

How does Moxom Joinery achieve these exacting standards? The answer is with the help of Martin - the renowned German manufacturer of machinery for solid timber processing.

Following the initial purchase of a Martin T27, this was followed by the acquisition of Martin's T70 sliding table saw.

This is a classic machine, which has set standards and boasts maximum performance combined with a sturdy mechanical design.

Martin invented the mitre cross-cut table over 50 years ago to be able to produce precise angle cuts on larger panels.

Since then, this popular accessory has been subject to continuous improvement.

Whereas back in the late 1950s all that was required to set mitre cuts was a simple scale, nowadays, the latest table includes a modern digital angle display and fine angle adjustment.

The fence can be tilted to either side to any angle up to 47 deg and the angle is displayed with a resolution of 0.01 deg.

A strong central lock ensures reliable repeatability of the correct angle.

It is therefore not without good reason that customers, such as Moxom Joinery opt for the sturdiness, functionality

and precision of this important and impressive invention.

The innovative "RadioCompens" mitre cut system provides fully automatic length compensation for mitre cuts by means of a wireless connection between the mitre cross-cut table, controller and digital display of the cross-cut fence.

Thanks to this wireless-supported communication of the cross-cut table, controller and stop elements, time consuming set-up times for mitre cuts can be reduced by up to 80 per cent.

The operator simply sets the table to the desired angle and the electronic cutting

*Martin's T70 sliding table saw boasts maximum performance combined with a sturdy mechanical design.*



*The touchscreen control panel on the Martin T70 is both intuitive and easy to operate.*



*On the digital cross-cut fence is the right option, as the inner and outer stops work with separate measuring devices and can therefore be set independently with the accuracy of a tenth of a millimetre.*

length displays on the cross-cut fence immediately show the correct length dimension.

Compared with other systems on the market, "RadioCompens" compensates for a variety of saw blade thicknesses automatically.

As a result, the operator can additionally produce a precision cut, with an accuracy of a tenth of a millimetre on the left-hand side of the saw blade – irrespective of the type of saw blade being used.

For those who prefer to

work with digitally exact dimensions, the digital cross-cut fence is the right option, as the inner and outer stops work with separate measuring devices and can therefore be set independently with the accuracy of a tenth of a millimetre.

Each display can be changed over to display relative dimensions in order to execute incremental cuts in the fastest possible time. As is the case with the analogue version, the digital version is also available as a flip stop with full-length support.

The "Control" mitre cut system for the Martin T70 model includes a package, which combines the controlled cross-cut fence with the mitre cross-cut table.

Apart from the cutting height, angle and width, the cutting length and the table angle are also completely integrated in the controller by this means.

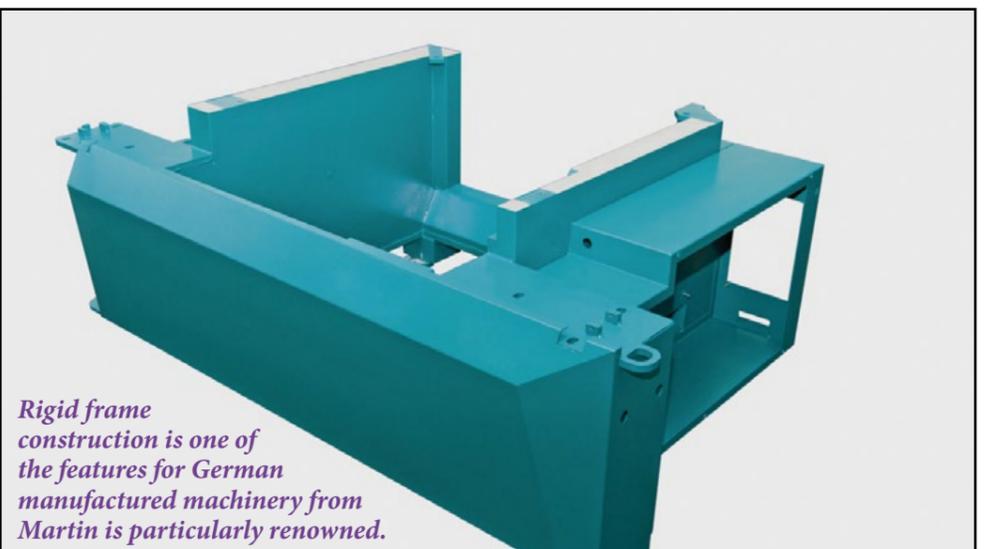
The operator simply specifies the requisite length and width dimensions and the controller positions the saw blade and fences. The length compensation required for angle cuts is completely automated.

The mitre cross-cut table is connected to the controller by wireless means and it supplies the angle data directly to the controller.

The length compensation is provided dynamically for cutting lengths up to 3,300mm, whilst the operator adjusts the table.

In this way the German manufactured Martin T70 becomes a real angle-cutting centre. It is therefore no wonder that it has become the sliding table saw of choice for so many British woodworking companies.

*For further information tel Martin on 00 49 833 29110. Visit [www.martin.info](http://www.martin.info)  
For further information on Moxom Joinery tel 01305 262627. Visit [www.moxomjoinery.co.uk](http://www.moxomjoinery.co.uk)*



*Rigid frame construction is one of the features for German manufactured machinery from Martin is particularly renowned.*

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# ALPHACAM

## CAD/CAM SOFTWARE FOR THE WOODWORKING INDUSTRY

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