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WEINIG'S UNDERLINES SUCCESS AT LIGNA

ON SCHELDULE

'AS far as deadlines go, we are right on schedule,' reports Holz-Her business manager, Frank Epple, speaking about the new premises being built in Germany for Weinig's sister company, Holz-Her are shaping up.

He is confident that Holz-Her will be able to move into the new company facilities as planned in September 2019.

For the full story please turn to Page 3.



Weinig's Hydromat 3000 is a robust powerhouse for pre-planing, or profiling work using hydro technology.

UNDER the motto "THINK WEINIG", the Weinig Group presented over 55 machines and systems from both Weinig and its sister company, Holz-Her – all of which were in action at LIGNA at the end of May.

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

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

One new addition was the Hydromat 3000, which comes with very resilient machine technology that is perfectly suited for use in multi-shift operation and for high linear production output.

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.

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

The patented Turbo-S 1000 finger jointing line guarantees a particularly high performance yield.

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

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

In this issue we take a detailed look at the offering from Holz-Her (See Pages 12-15).

Next month the focus will be on what Weinig itself had to offer in the way of the technologically advanced woodworking machinery for which the German manufacturing giant is justifiably famed.

For further information tel Weinig on 01235 557600. Visit www.weinig.com

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HOLZ-HER'S NEW CONSTRUCTION PROJECT PROGRESSING ON SCHEDULE

THE ground-breaking ceremony was held last year - now the building shell is completely finished: The new headquarters for the Weinig Group affiliate, Holz-Her, with total investment costs of 10 million euros is under construction at the location in Nürtingen.

The sales, engineering, development and service departments, as well as the administration will be housed in the new, state-of-the-art building complex with total floor space of 5,800m².

The completed and visible wooden construction consists of

composite material designed without supporting pillars and is distinguished visually by its outstanding airiness. The 1,400m² showroom is the central element forming the heart of the structure.

'As far as deadlines go, we are right on schedule,' reports Holz-Her business manager, Frank Epple.

He is confident that the over 100 employees will be able to move into the new company facilities as planned in September 2019.

This forward-looking complex offers sufficient space for expansion and further growth: Since its integration into the Weinig Group in 2010, Holz-Her has developed exceptionally well, tripling its turnover figures to nearly 120 million euros in 2017, with a further increase in sales in 2018 and continued success in 2019.

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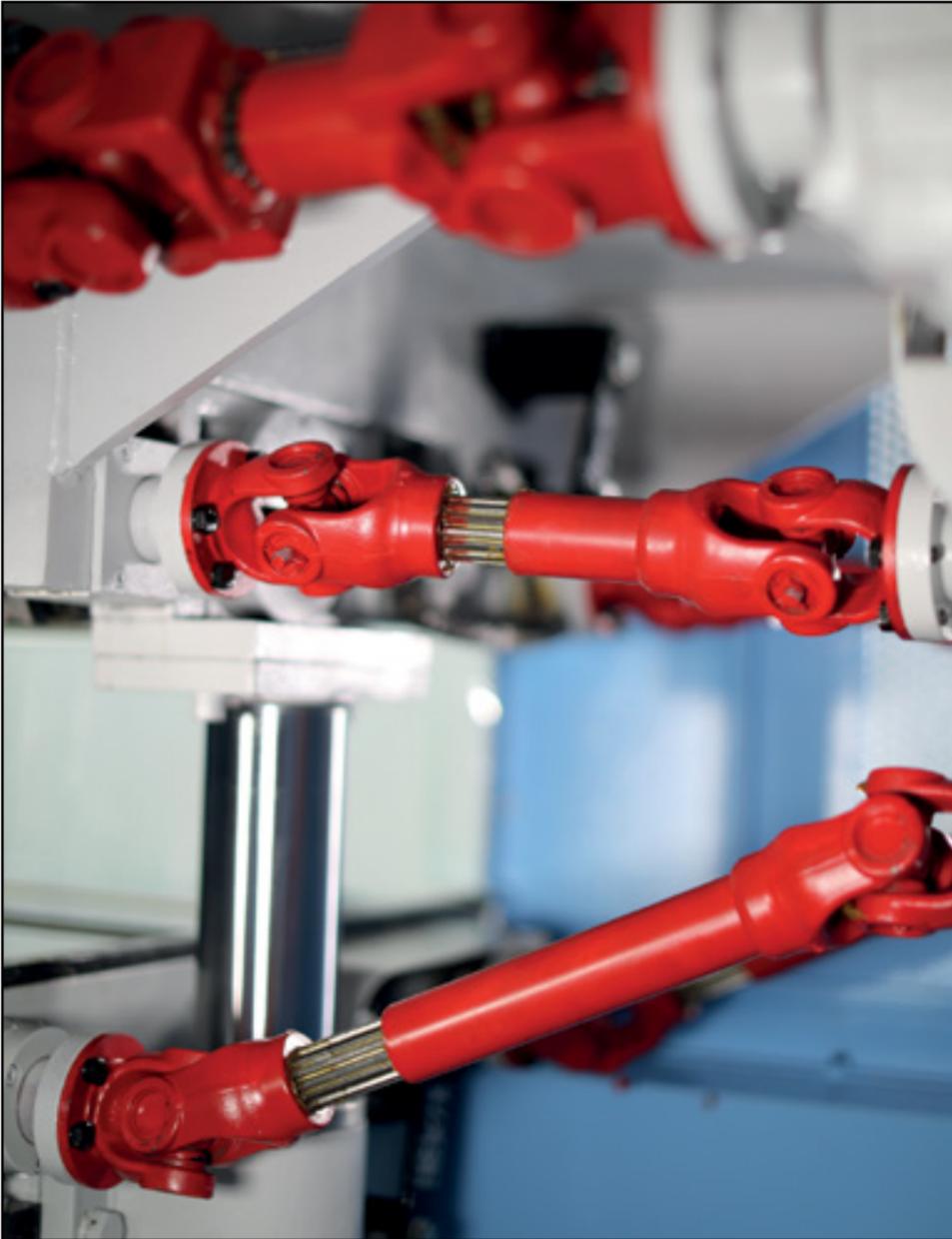
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REHOMY PUTS ON A SHOW AT LIGNA

ANYONE who is currently looking to purchase top-quality used Weing moulders, or grinders is almost certain to find what they are looking for at Rehomy – a Dutch-based company specialising in supplying used machinery from the German woodworking machinery manufacturing giant.

With a constantly changing stock (typically comprising used Weing (Powermats and Unimats), Rehomy is always in a position offer a good selection of pre-owned machines.

Prospective purchasers are welcome to visit Rehomy for live demonstrations of the company's extensive stock lines.

Among the items on show in Hannover were a heavy-duty wide beam double-sided planer and, for the first time this year, Rehomy had the Rhino double-sided planers with their massive 610mm x 200mm capacity on show.

Unlike conventional chain drive systems, these machines employ a patented synchronized transmission system along the four fitting columns. The cardan transmission system is directly driven by flexible shafts for a high degree of accuracy and full power transmission.

The Rhino double-sided planer is claimed to provide the finest possible finish, coupled with high levels of accuracy. It is therefore ideal for double-sided preparation of staircase components, pre-planing prior to frame and horizontal banding sawing, wide board surfacing for furniture surfaces and for the planning of structural Glulam and green oak. These machines are available in 610mm, 820mm, 1,00mm and 1,300mm widths.

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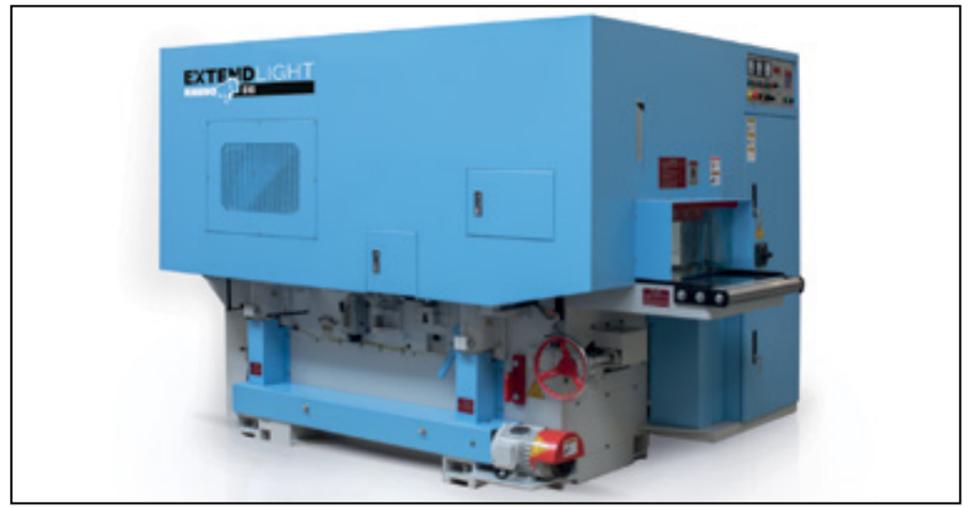
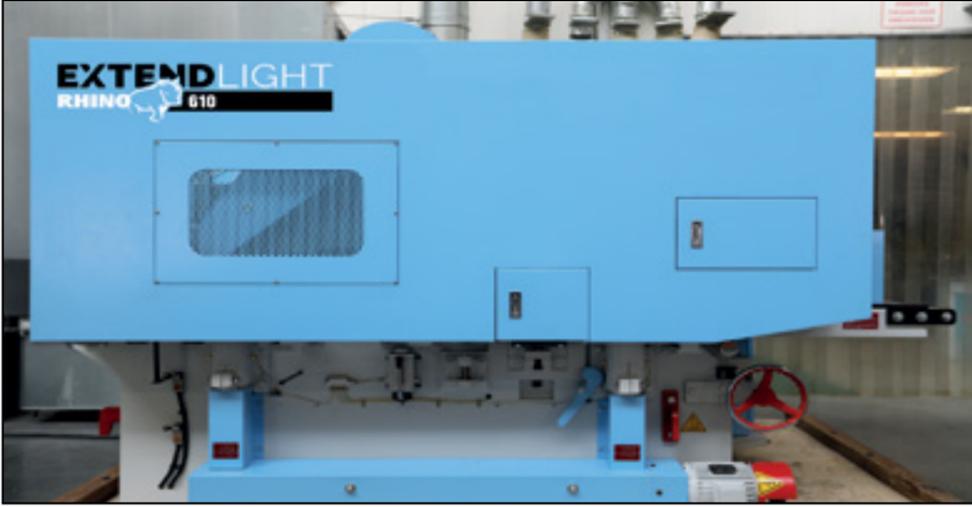


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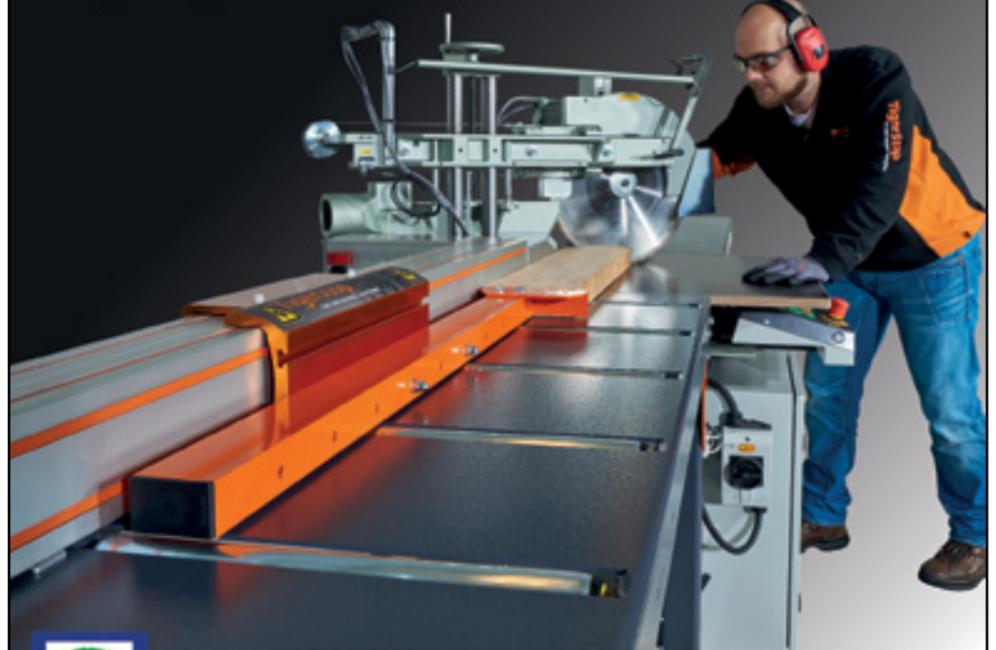
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MODESTA RAISING AWARENESS AT LIGNA

FILTER system specialist, Modesta from the Netherlands, participated at LIGNA for the first time together with machine manufacturer, Anderson Europe.

In doing so, the company focused on raising awareness and spreading knowledge about the (legal) necessity of a proper filter installation.

'It starts with awareness. Every manufacturer who realises the risks of fire, explosion and any subsequent damage, knows that an outdated filter installation is not an option,' says sales manager, Jan Plette.

'Furniture and woodworking companies have been investing in woodworking machines for a number of years now.

'Due to the growth in production, the focus is now once again on dust extraction, as a capacity shortage often arises here. In addition, many installations do not comply with legislation and regulations in the field of fire and explosion protection,' says Jan.

'A proper assessment will discover whether the adaptation of an existing installation will suffice, or total replacement is needed.

'The operational costs can also make a huge difference here – the new negative pressure systems with cascading fans can offer high energy savings, which gives added value to a new filter system.'

QEX quality mark

Modesta has been designing, building and installing filter systems since 1948 and recently invited around 30 risk experts to its factory in Putten, in the Netherlands.

Modesta informed the experts about the latest developments in the field of fire safety and ATEX in dust extraction.

'The legislation and regulations are not only very extensive, but also very abstract,' explains Jan.

'There is a great need for practical knowledge about fire and explosion safety,' adds Jan.

All Modesta filter installations have the QEX quality mark. QEX stands for Quality Extraction Systems and guarantees the installation complies with legislation and regulations, including ATEX and EN12779.

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A RELIABLE PRODUCT

KENSINGTON & Chelsea council has claimed that it has been unable to replace the 4000 fire doors within its housing stock, due to a lack of “reliable products” following the fire at Grenfell Towers.

However, the Woodworking Federation - which runs the Fire Door Alliance (FDA) scheme - has reacted to say that this is absolutely not the case and that 3 million fire doors are certified each year by the FDA.

‘We were deeply disappointed to see the unacceptable news that councils are delaying the replacement of thousands of faulty fire doors’, says chief executive officer of the British Woodworking Federation (BWF), Helen Hewitt (pictured).

‘We must now refute Kensington and Chelsea Council’s claims. This is absolutely not the case – there is no need for a delay of “up to three years”, due to a restricted supply of quality fire doors.

For over 22 years the BWF’s scheme has ensured the quality, safety and traceability of fire doors through third party certification. This further counters the council’s claims that manufacturers have only just begun producing doors which meet national regulatory standards.

Members who have had their fire doors put through the fire-resistant tests have reported that their timber fire doors have resisted fire for as long as 54 minutes, exceeding the 30-minute requirement time by 24 minutes. This is in direct contrast to foam-filled, glass reinforced polymer (GRP) faced fire doors fire doors,

which only withstood fire for 15 minutes during the tests.

‘If the delay is down to a dispute over who foots the bill for replacement, then that is a separate issue which urgently needs addressing. It is not right that people’s lives are at risk because of disputes over money. However, to suggest that quality fire doors are not available and ready for installation is simply untrue,’ says Helen.



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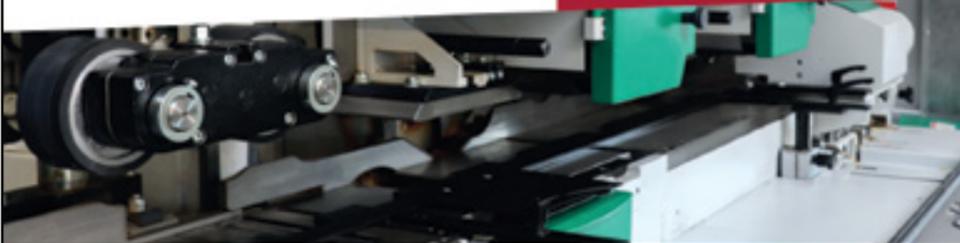
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NEW LOOK FOR MARTIN MACHINES AT LIGNA



MARTIN presented a good selection of the Bavarian manufacturer's premium machinery for professional woodworking to the international trade show visitors at LIGNA last month on a stand measuring in excess of 400m²

Here Martin presented its complete range of sliding table saws, moulders, tilting arbor spindle moulders, thicknessers and surface planers, as well as the Q-FIN, a special sanding machine for window production.

'At Martin we are very proud to have presented state-of-the-art woodworking machinery to the public once again. The satisfaction of our customers is what drives us,' says Martin's marketing director, Michael Mühlendorfer.

'As a highlight at this year's LIGNA the company presented its sliding table saw range in a completely new design. The face-lift convinces with a uniform and fresh appearance of the whole line. Even the user interface and the control software shine out with a new look.

'Since the presentation of the first sliding table saw worldwide, with a saw blade that could be tilted to both sides in 2006, this Martin invention has become widely accepted today. Numerous manufacturers have followed this trend and now offer similar technologies. However, the original is only available at Martin,' asserts Michael Mühlendorfer.

'Our sliding table saws have always been synonymous for premium class woodworking. Many functions you might not have thought about in the beginning complete all of our machines from the entry-level class to our premium line. They actually leave nothing to be desired,' asserts Michael Mühlendorfer.

The RadioCompens System easily and almost automatically calculates length compensation, double mitre cuts and saw blade thickness compensation.

Martin already initiated ground-breaking machine technology at the beginning of the 2000s with the world's first moulder with a spindle that could be tilted to both sides.

'We were delighted to present our range of extremely powerful T27 spindle moulders at LIGNA,' continues Michael Mühlendorfer.

'Our customers are particularly enthusiastic about the control system's potential and to experience how to complete even the most complex set-up processes in seconds. You will hardly find a controller on the market that combines performance and ease of operation so perfectly,' emphasises Michael Mühlendorfer.

At LIGNA Martin also presented a machine which is perfectly adapted to planing plastics. In order to respond to the needs of plastic processing companies, in addition to which a pair of standard planers featuring the Xplane cutter block was also on display.

For window manufacturers Martin ushered a new era with its Quality Finishing process. In window construction, sanding between coats is one of the least popular and most expensive processes.

However, in-between sanding process, the frames also have to be transported, laid and turned. That is all time-consuming work prone to damage. And, above all, it is expensive.

Here the "Quality Finishing" process takes effect. In-between the sanding of the different surfaces which are prepared with the "Q-FIN" can be almost completely omitted - likewise the related handling.



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WEINIG SATISFIED WITH LIGNA 2019

THE Weinig Group achieved a good result at the world's leading woodworking trade fair in Hanover. A total of 273 machines and systems of the two brands Weinig and Holz-Her were sold.

The ambitious order inflow targets were exceeded. Compared to LIGNA 2017, an increase of around 20 per cent was achieved. The Weinig Group received orders from 29 countries.

On the 5,000m² stand of the leading technology provider for solid wood and panel processing, experts from 92 countries were able to be informed about the complete range during the five-day event. The many new products were very well received by the professional audience.

Weinig set an exclamation mark in the area of systems engineering. At LIGNA, a complex plant could be seen live in action, illustrating the competence across the entire value chain of solid wood processing.

In addition to the traditional magnets planing, profiling and cutting, Weinig recorded a remarkable demand in the jointing technology segment. The solutions in timber construction also met with great interest.

The Concept business unit registered a number of high-calibre enquiries in the CLT area. In the forum, the Weinig Group concentrated on the trends of today, tomorrow and the day after tomorrow. Central topics were digitization, automation and networking. Here Weinig was able to convince interested parties with its customer-oriented range of solutions tailored to the individual requirements.

Weinig underlined its social commitment at LIGNA with the campaign "Running for a good cause". Many visitors to the stand took the opportunity to cover running meters and convert them into euros on a specially provided treadmill. The proceeds will go to the institutions of SOS Children's Villages.

The Weinig press conference on the first day of the fair was attended by 75 journalists from all over the world. Chief executive officer, Gregor Baumbusch presented good figures.

Contrary to the rather weak trend in the industry, the Weinig Group achieved the best first quarterly result in the company's history.

Compared with the same period of the previous year, order inflow increased by 5.9 per cent and sales by 8.7 per cent.

'The outlook for this year has been very positive to date,' reported Gregor Baumbusch.



Social engagement: chief executive officer, Gregor Baumbusch (centre), chief technology officer, Dr Mario Kordt (left) and head of marketing communication, Klaus Müller, present the results of the "Running for a good cause" campaign at LIGNA.



The Weinig Group was a real magnet: The 5,000m² stand was a "must" for professional visitors at LIGNA.

For further information tel Weinig on 01235 557600.
Visit www.weinig.com

STENNER RECORDS ITS BEST LIGNA EXHIBITION FOR YEARS

WOODWORKING machinery exhibitions have struggled to justify their existence over the past few years, but Stenner was pleased to be able to report that Hannover was very much "alive and kicking".

'The number and quality of enquiries was significantly up on previous years. The numbers received was very, very good,' says sales director, Fred Harding.

Enquiries were generated worldwide and Stenner staff will be working hard to respond to each individual company.

'I think the stand was the best we have ever done with the machines and graphics perfectly reflecting the current Stenner product mix,' comments Stenner managing director, Syd Mather.

'Whilst we always take the long term view on shows, it is a

bonus to secure an order. On Tuesday afternoon Fred secured a contract to supply two VHET120 twin resaws to an existing client in Estonia,' says Syd.

'This customer has run his current machine for 15 years on a three shift pattern and it is a great compliment to have him place his faith in us for his additional resaws,' adds Syd Mather.

Stenner partners, Paul GmbH (cross cut and edgers) and Primultini (bandmills) also advised that the show had given them a very positive result.

For further information tel Stenner on 01884 255700.
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A three-head MHS8 resaw and ST100R single stand-alone resaw with fence setting system, spray lube system and variable speed pulley rotation were on display with posters showing the single and twin centre cutting resaws and a mural showing a 10-head MHS10 with some of the Stenner personnel proudly standing in front of it.



Fred Harding shakes hands with Ivar Dembovski on a sale of two VHET120 twin resaws to Estonia

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ALTENDORF'S "ASA" SAFETY ASSISTANT CAPTIVATES USERS

AN EXCLUSIVE new development has been launched at LIGNA by Altendorf. It employs a three-stage system to prevent accidents.

Nothing drew a crowd to the new Altendorf Group's LIGNA stand like the demonstrations of the latest development for the Altendorf sliding table saw.

Experts from all over the world caught their breath as a member of the Altendorf Group's development team moved a hand towards the saw blade at the speed of a normal feed rate – and suffered not so much as a scratch.

The saw blade, a 400mm disk spinning at about 5000 rpm, simply disappeared – all in a fraction of a second. The blade is braked to a standstill too, meaning that this safety system works even with larger saw blades.



The demonstrations at LIGNA left everyone who witnessed them thoroughly impressed: users, dealers and the international specialist press all left the stand confident that "ASA" (the working title of this ground-breaking safety development) simply will not permit accidents to occur at the sliding table saw. A three-stage system, using a number of technical solutions, ensures that caution and prevention prevail.

Keeping operators safe and sound

Head of development at the Altendorf Group, Karl-Friedrich Schröder explained to the 120 or so international trade partners present at the dealer evening how the pioneering project to develop ASA came about:

'We have always been uneasy about the fact that existing systems, including the well-known "Saw Stop" feature, only

ever kick in after the accident has happened,' said Karl-Friedrich Schröder.

'In addition, they cause damage to parts of the machine. We wanted the machine to act sooner to protect the operator and prevent accidents and life-threatening injuries altogether.

'This means detecting the hazard at an early stage without impinging on the operator's discretion. We developed a three-stage system to do just this.

'The first stage involves the machine emitting an optical signal. Stage two sees the rotational speed of the saw blade reduced, which greatly increases the resistance felt by the operator.

'This gains us valuable time – a valuable few tenths of a second – to prepare the system for stage three, in which the blade is brought to a standstill and the whole unit drops away into the table,' says Karl-Friedrich Schröder.

Early hazard detection is critical

The Altendorf Group's system relies on being able to detect the hazard at a very early stage. Various defined situations are recognized as parameters and classified using a number of cameras to gather data and a powerful computer to synchronize and interpret it.

If the system detects a hazard situation, it responds as described by warning the user in two stages and then, in the third stage, removing the hazard altogether: the main saw blade stops very quickly and the whole saw unit rapidly drops away.

Significantly, the saw can resume work immediately after the incident, because the whole process – again in marked contrast to conventional solutions – involves no damage to either machine, or saw blade.

The prompt detection of potentially hazardous situations enables the saw blade to be braked and dropped in a controlled manner, so that no additional stress is placed on the precision bearings of the saw unit. The optical system also detects work gloves.

Keeping operators safe is an absolute priority for the Altendorf Group's development engineers, so it should come as no surprise to learn that they were concerned from the outset to ensure that the system was not fooled by work gloves.

It soon became clear that optical detection techniques were



more promising in this regard than sensor-based solutions.

The camera systems used are designed to detect hazard situations irrespective of whether the user is wearing work gloves. This optical solution thus significantly exceeds the capabilities of sensor-based systems, which respond only to heat and human skin.

No material-based restrictions

The system copes readily with damp wood and conductive materials, as well as coatings. Indeed, it satisfies in full the development objective of ensuring that machine operators are not restricted in any way in their use of the sliding table saw.

'At Altendorf, we know that the vast majority of saw operators have no real specialist training. Our system can protect all of them from injury. This is obviously good for them and their employers and also helps to eliminate both machine downtime and working time lost due to accidents,' explains Karl-Friedrich Schröder.

How soon the system will be ready to go into full production depends on the many extensive national and international certification processes mandated by statutory accident insurers and governmental authorities.

Technically, the system already works beautifully – as visitors at LIGNA could see very well for themselves.

Having taken such great care developing the solution itself, however, the Altendorf Group has no intention of cutting corners on approval: operators deserve no less.

The patent applications have been filed and the process is under way which means that, realistically, the system will not be available to purchase before 2020.

For further information tel Altendorf on 00 49 571 9550-0
Visit www.altendorf.com

GIARDINA GROUP FOCUSING ON NEW PRODUCTS AT LIGNA

AT LIGNA the Italian company, Giardina exhibited two roller machines – one for finishes with grammage up to 5/7 grams and the other that can reach 20-30 grams/m² per square metre.

The panels which had been coated in this manner were mattified with Giardina's "GST Zero Gloss".

The company also demonstrated the results on different finishes for various sectors, including wooden flooring and furniture.

At Ligna Giardina also presented a brand-new solution for the mattifying of three-dimensional spray-painted surfaces using excimer UV radiation - an application which proved to be of great interest to member of the public visiting the show.

The company has developed a new solution that allows the application of a technological process that is already known and appreciated in various industrial sectors, such as in the world of wood and furniture.

Thanks to the excimer technology, it is now possible to obtain "super-matte" surfaces, a decidedly superior chemical and mechanical resistance, a perfect adhesion of the coating product to the support and maximum ease in cleaning operations on any type of surface.

In recent years, matte finishes have been having a great success, but the traditional systems used to obtain them, that is the use of silica particles, used to make the final result particularly susceptible

to scratches, abrasions and impacts - a fragility directly proportional to the quantity of "mattifying product" in the paint.

The excimer technology solves the long-standing problem: thanks to paints with special characteristics and the use of special lamps that act in a nitrogen-rich environment, the surface structure can be reticulated to obtain a "zero gloss", resistant surface, without damaging the support.

The process takes place in the presence of nitrogen, activated thanks to the energy that the excimer lamp emits with a specific wavelength able to reticulate a very thin layer of the surface, a very thin micro surface structure, which is on the liquid layer of paint and which will then be reticulated with a traditional UV lamp.

The advantages are many including an ultra-matte and "anti-fingerprint" surface, an increase in surface hardness, chemical and abrasion resistance, an extreme "softness" to the touch, a lower chance of yellowing over time, thanks to a lower quantity of photo initiator and the possibility of obtaining surfaces with a regular and uniform three-dimensional effect.

Applications include from kitchen furniture and wooden floors, as well as plastics, composite materials, metal and glass and more besides.

For further information tel Giardina on 00 39 031 783 0801. Visit www.giardinagroup.com



HOLZ-HER HAD A HOST OF INNOVATIONS AT LIGNA 2019

THE Weinig Group presented itself in Hanover with the brands Weinig and Holz-Her on an exhibition area of over 5,000 m².



At LIGNA Holz-Her introduced its xcut package as a new feature on the range of EVOLUTION edge-banders. Here is the Evolution 7402 vertical drilling and cutting centre, which is distinguished by a well-thought-through industrial design and an extremely stable layout, using high quality components.

New CNC machines from Holz-Her at LIGNA 2019

It would be really difficult to imagine rational production without CNC machining centres, even in smaller carpentry workshops.

Holz-Her offers a variety of CNC machine lines to provide the ideal solution for all users.

Supplement to EVOLUTION 7405 doors

The new, must-have feature for the 7405 4mat and Connect is the optional "Doors" package. It allows complete machining of door leaves with a maximum thickness of up to 70mm.

The optional EVOLUTION door package, consisting of a specially developed angle gear for lock boxes and a lock box cutter, expands the capabilities of this vertical CNC machine from Holz-Her.

The door package allows complete machining of door leaves with a maximum thickness of up to 70mm. This process machines the hinge side and lock side in two clamping operations.

The 16mm diameter end mill cutter supplied with the machine provides for milling depths of up to 115mm, allowing installation of lock boxes with different back-sets. Handle and lock holes can also be drilled precisely using HOPS macros.

After turning and re-clamping the door leaf, it is possible to recess hinges for rabbeted doors, as well as install concealed hinges, or fittings for object doors.

The new EVOLUTION xcut package – for simple production of furniture components

Vertical CNC machining for simple production of furniture components can ideally be performed with Holz-Her's "best performers", the EVOLUTION 7402 and 7405 Connect:

The EVOLUTION models offer complete, versatile and universal machining on all four edges, in spite of their extremely low space requirement in your workshop.

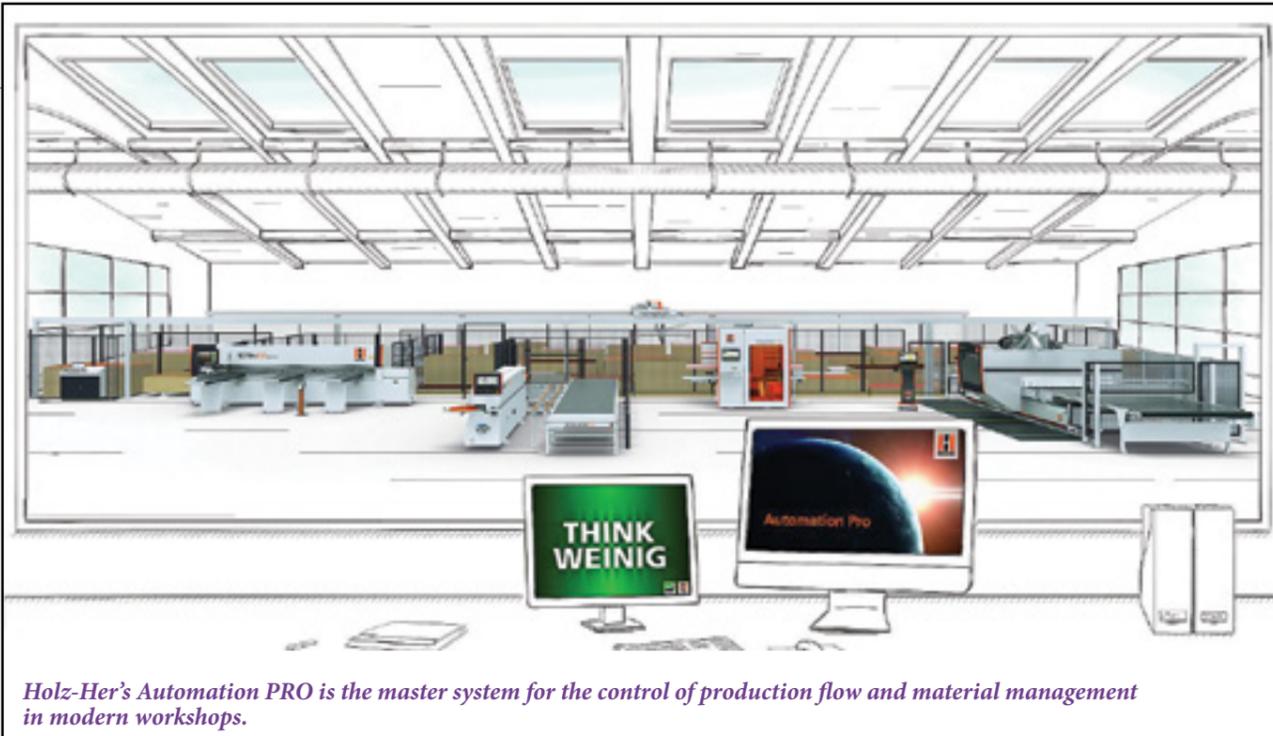
The latest feature on all EVOLUTION models is the Laser Plausibility Check. Here the exact height of the work pieces is read out of the machining program.

This value is checked by a quick test run in the machine and any deviation in the tolerance is output as an error message. This accessory feature prevents operating errors and helps minimise material waste in the workshop.

AT LIGNA Holz-Her introduced its xcut package as a new feature for the EVOLUTION models. With this package the vertical CNC machines automatically produce the required work pieces from panel strips previously cut in the longitudinal direction. This xcut mode completely eliminates cross-cuts otherwise required.

The machine operator simply activates the xcut mode with a single click and positions the requested panel strips. The suction cups are automatically positioned on the machine, the material-friendly vacuum is activated and the machine started. During this machining process the parts are measured and subjected to a plausibility check fully automatically.

The software for the xcut mode lists all jobs pending on the machine. This provides the machine operator with a perfect



Holz-Her's Automation PRO is the master system for the control of production flow and material management in modern workshops.



With the xcut package, the machine operator simply activates the xcut mode with a single click and positions the requested panel strips. The suction cups are automatically positioned on the machine, the material-friendly vacuum is activated and the machine started.



The software for the xcut mode lists all jobs pending on the machine and provides the machine operator with a perfect overall view of all the jobs and the required strip material.

overall view of all jobs and the required strip material.

After positioning the strip, the EVOLUTION starts its optimised cutting and four-sided formatting operations.

The strips are cut to the precise length, machine and drilled, as required. This process ensures that the entire surface of the panel strips is utilized optimally.

These Holz-Her edge-banders offer the perfect supplement to the EVOLUTION CNC machines and the SECTOR line of vertical panel saws. Together they form an efficient production cell, for optimal combination of all production sequences.

With the Holz-Her five-axis CNC machines, your creativity has no limits.

The five-axis, Holz-Her PRO-MASTER Series 7125 and 7225 machining centres offer maximum variability for universal utility.

Their top equipment, fully interpolating five-axis technology and generous machining dimensions make these power packages ideal for highly varying types of machining operations.

The powerful 10 kW or 12 kW milling spindles, four machining areas, a completely equipped drilling head and traveling tool changer for 18 tools represent just a few of the comprehensive features offered as standard equipment.

The 17 kW Power Spindle with PRO-Torque technology offers a practical solution for extreme machining operations

Machining length of 3,620mm - 7,220mm and machining depths up to 1,600mm, as well as a 565mm Z-stroke are ideal for extremely versatile machining on highly varying types of materials and shapes.

The CAMPUS/NC HOP software package supplied with the machine includes the aCADemy CAD program - also for professional data import from DWG/DXF formats - and 3D material removal simulation with collision monitoring.

The open interface to NC-HOPS allows processing of real five-axis CAD/CAM programs using a post-processor.

The maximum Z-height on the PRO-MASTER 7225 is 300mm from the top of the suction cups, giving the operator the capability of fulfilling virtually all customer wishes.

NEXTEC 4.0 – The complete solution for nesting machining

The NEXTEC nesting machining centres from Holz-Her include three lines in various sizes and degrees of automation, providing Holz-Her with the right solution for every requirement and every size of workshop.

Nesting machining with the NEXTEC offers the advantage of precision formatting and CNC machining with one single clamping operation - and all with minimum handling by the machine operator.

Holz-Her's nesting technology is perfect for use of state-of-the-art connection technologies, such as the Clamex P-System, or Cabineo connectors.

The new NEXTEC 4.0 solution goes far beyond pure machining operations. It offers a complete solution for entry and control of production and material flow in the workshop.

The NEXTEC 4.0 Master Computer is the heart of this technology. This additional computer takes over part design, as well as control of the data and material flow during work preparation. This master computer then automatically transfers the data to the machine.

The advantages are obvious: work preparation and the machine are interlinked using cutting edge technology, while the data remains in local storage in your workshop.

With the company's software Holz-Her is capable of generating CNC and cutting data for panel furniture in the simplest manner possible. Over 400 furniture designs are included in the standard library on all NEXTEC machining centres.

Other professional CAD/CAM software systems can be used for even greater flexibility. Naturally, standardised interfaces are provided for transferring data to the Holz-Her Warehouse program.

The Warehouse program serves for managing orders using the integrated Warehouse database. Among other features, this software allows consolidation of multiple orders for production as one collective job.

The integrated work piece management list allows work pieces and their quantity to be entered and changed manually. The software also includes a material database. Data is reconciled automatically.

The job database on the machine computer serves to monitor the orders pending for the machining centre, as well as the degree to which they have been processed. This provides the machine operator with a clear overview of the nesting plans to be produced. Moreover, it shows the anticipated processing time, degree of processing and production time achieved.

Of course, the NEXTEC 4.0 solution is also available for the five-axis nesting machining centres. The five-axis head with universal mounts offers greater flexibility in designing and producing your work.

Part marking with labeling systems from Holz-Her

Holz-Her offers four different manual and automated labelling systems for marking work pieces. These labels can be adapted to customer requirements using a label configurator.

With **Easy Label** for pressure beam saws a matching label is printed for each completely formatted work piece containing edging information and barcode for CNC machining.

With the popular **Touch Label System** the operator sees all the work pieces in a nesting plan on the monitor and can simply tap the desired component on the touch screen to print out the label.

The fully automatic **Direct Label System** integrated into the machine offers even more convenience. With this system the labels are attached to the correct position on the panel before nesting machining.

The **Power Label System** is presented as a new feature in this range. It is particularly suitable for integration into the STORE

MASTER automatic pallet handling system for installation above the elevating table on automated nesting systems.

Automation PRO

Automation PRO is the master system for control of production flow and material management in modern workshops.



The Zentrex 6215 horizontal panel saw features a controlled, moving evacuation hood situated behind the saw blade to catch chips and dust flying away to the rear during the cutting operation.



Here the advanced linear guide on the Zentrex 6215 helps to ensure perfect cutting quality.



At LIGNA Holz-Her presented the power package beam saw – the Zentrex 6215 with its powerful motors and advanced linear guide concept to ensure 100 per cent cutting quality.



Holz-Her's Lumina 1596 edge-bander features Ltronic with NIR module and Glu-Jet combined for perfectly invisible joints with laser edges for PUR thermo-plastic glue.

Automation PRO ensures efficient, transparent and documented production.

This solution is based on a master computer with pre-installed software and database for product control on various Holz-Her machines and a STORE MASTER panel storage system.

Only a few clicks are required to transfer the production data from the production drawing, produced with the aid of leading CAD/CAM systems, to the production department.

Automation PRO also provides for real time communication between the panel storage system and database. It takes the current material inventory, as well as reserved panel material into consideration.

Naturally, it is possible to minimise the quantity of remnant panels with appropriate prioritization. A preview of the job database allows an overview of activated orders and machining

details, before they are released for production.

As soon as the master computer releases the order, automatically optimized cutting plans are sent to the Holz-Her pressure beam saw and the required panels are requested from the storage system.

The work pieces can be labelled manually, or automatically for part recognition. Jobs approved for Holz-Her Nesting CNC operations are displayed to the machine operator in a job list and the necessary material is automatically requested from the STORE MASTER system. The Job Manager provides for fully automated daily production.

Clear marking of the work pieces and further processing operations are essential particularly for collective jobs.

The new Holz-Her Power Label System is particularly recommended for processing large quantities of panels in the minimum amount of time. The work piece labels can contain information on the edging either in clear text or barcode.

The Holz-Her edge-bander scans the individual QR code and switches over to the required processing mode fully automatically.

In order to complete the Automation PRO system, the "Weinig Machine Monitoring" App offers the possibility of checking the machine status online, calling up machine efficiency evaluations and reviewing the degree of processing for pending or completed orders.

Digitization in craft shops – combined with perfectly invisible joints

Continuously higher demands for quality, as well as high expectations regarding customisation and versatility have made digital solutions essential.

Protracted set-up operations on edge-banders can be optimised for maximum profit and productivity using intelligent technology. Properly utilized, digital processes facilitate work in craft shops and industrial applications to the maximum.

Holz-Her's high end line, the LUMINA 4.0 Edition, is a burst of innovation with clear, measurable customer benefits.

The machine simply scans the individual QR code and switches over to the required edge processing mode fully automatically. During this process, highly differing machining operations, pressure settings and

various types of edging are taken into consideration automatically.

This allows production of orders with highly differing batch sizes and with extremely short set-up times. Set-up errors and reject quotas are minimised.

It uses patented cutters with Air Stream technology, distinguished by extremely low noise emission. Chips are evacuated with lightening speed by the integrated blast nozzles, thus eliminating double machining and significantly increasing cutter service life.

Moreover, the new HSK chucks ensure perfectly concentric operation, eliminating long-term wear to motor, bearing and cutter.

A new feature introduced at LIGNA by Holz-Her was the multiple magazine, capable of feeding in laser edging, as well as conventional edging fully automatically. This ensures that the proper edging material is always selected for the operation in progress.

The magazine has six different standard edging channels capable of handling all edging thicknesses and heights independently. If desired, the magazine can also be upgraded to include six additional channels for laser edging.

Moreover, it even offers a "joker", i.e. an additional free channel for "occasional edging". This provides absolute flexibility for smaller jobs "in between" without interrupting the established sequence for the multiple magazine.

In addition, it allows automatic cycling between various channels, making it possible, for example, for you to fill Channels 1 and 2 with identical edging material. As soon as Channel 1 is empty, it switches over to Channel 2 automatically, allowing continuous production.

The "large" Glu Jet 2K was developed especially for professional processing of large quantities of granulated PUR, or EVA adhesive. It allows use of the more economical, standard, commercially available 2 kg PUR glue cartridges.

This investment amortizes itself quickly for companies using more than approximately 500kg of PUR glue/year, i.e. customers with an average glue consumption of approximately 2 kg/day.

The gluing station is conceived as a changeover station with HSK adapter and can be removed with the changeover carriage, making it even simpler to clean the glue application nozzle.

Moreover, thanks to the plug and play HSK mount, it can be equipped with additional glue application stations. The innovative control recognises the specific equipment fully automatically.

If desired, an LTronic unit is also available for laser edging. This allows virtually all types of edging and adhesives available on the market to be processed in excellent quality within a maximum of three minutes.

The new, intelligent operator guidance on the LUMINA 4.0 Edition ensures even more intuitive adjustment of all cutter and shaper machining operations than in the past.

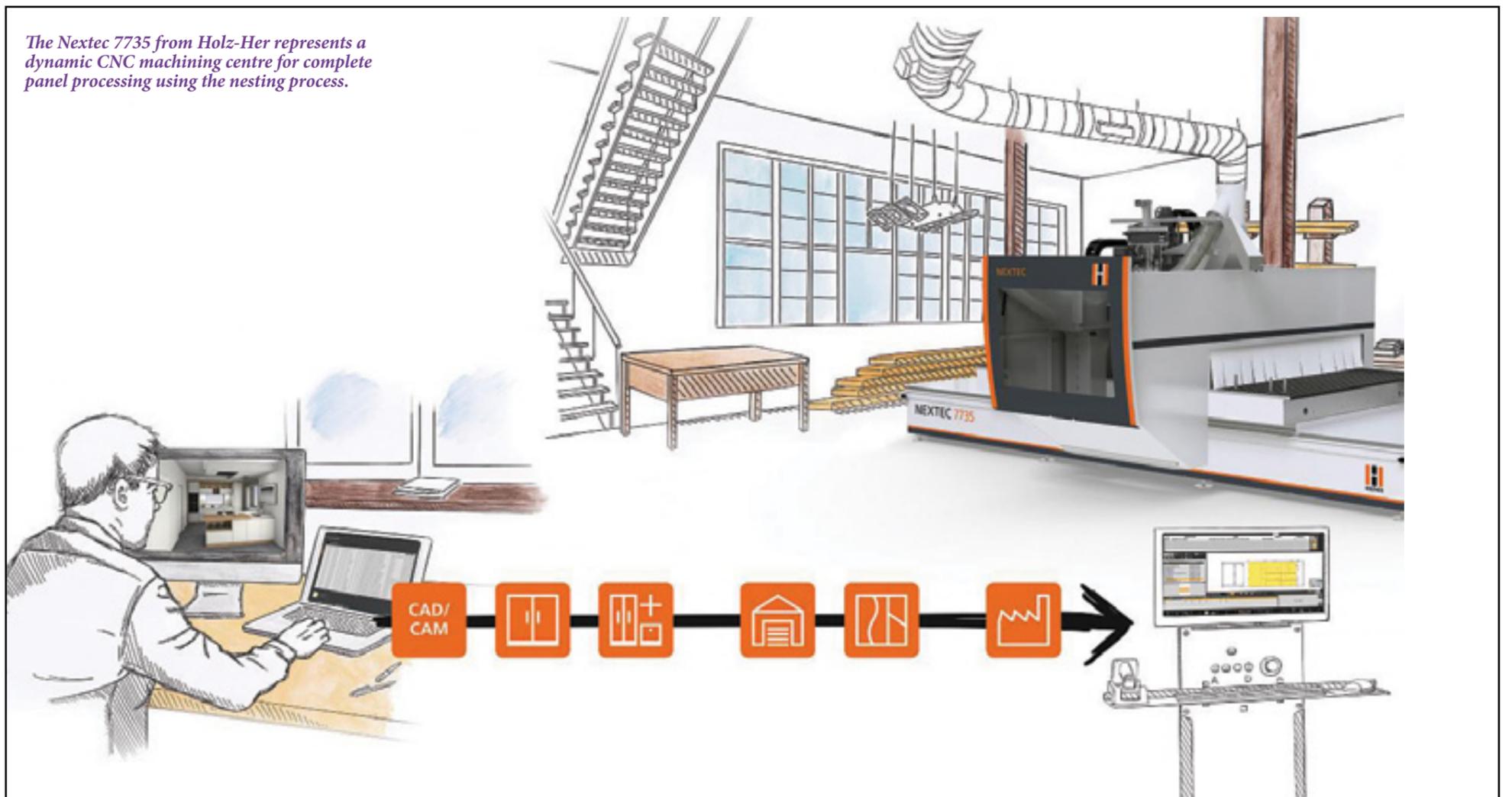
At all times, the operator can identify which corrections need to be made in which direction on a graphic display. The values for tool feed entered on the control unit are converted fully



The Lumina 1380 edge-bander offers a unique combination for panel processing: two systems for perfectly invisible joints – the Glu-Jet glue application system for standard use of PUR glue and the electronic laser edging unit, the combination of which is claimed to be unbeatable in terms of speed and cost efficiency.



The new Holz-Her Power Label 5220 is particularly recommended for processing large quantities of panels in the minimum amount of time.



The Nextec 7735 from Holz-Her represents a dynamic CNC machining centre for complete panel processing using the nesting process.

automatically to the actual axis values in the background. This makes sample work pieces a thing of the past.

“Set-up in the gap” is one of the major themes for efficient edging operations. “Set-up in the gap” enables different machining processes to be run at the same time on the edge-bander.

For example, the corner rounding unit, or pivoting of the trimming unit can be intelligently switched on, without having to empty the machine for the set-up procedure. All capacities are therefore utilised to the fullest extent.

The air cushion table ensures that even heavy work pieces can be positioned in the machine easily and ergonomically. This allows the operator to concentrate on feeding the work pieces in parallel, regardless of their size and weight.

The workpiece pull-in device also provides additional support for the operator. The feed rollers, aligned at an angle of three degrees, press the work piece into the run-in linear guide precisely, ensuring optimal work piece alignment.

The small part feed also allows small and narrow work pieces to be introduced into the machine, whilst ensuring a perfect 90 degree angle at all times.

The small part feed guides the work piece completely until it is taken over by the machine, at which time it automatically returns to the operator.

The LUMINA 4.0 Edition offers customers from craft shops and industrial production an efficient partner for easy integration into the Holz-Her Automation PRO concept.

Premiere in upper middle class: Multi-function milling technology – highly efficient and affordable

Customers are continuously demanding more customization and material variety. Multiple profile technology is essential for modern workshops to implement such demands for productivity and profitability.

Since LIGNA 2019 the entire Holz-Her SPRINT series has offered multi-functional milling technology with multiple stage tools and revolving tool magazines. This allows machining of various rades or applications with a 45° bevel at the touch of a button.

The new SPRINT 1329 Multi reduces set-up times enormously and even allows small batch production.

On the inside, the SPRINT 1329 Multi operates with assemblies from the high-end series with play-free mechanical systems and high precision, fully digital NC servo-axes, guaranteeing precise positioning with 100 per cent repetition accuracy.

The desired profile on the diamond, multi-stage tool can be selected on the 18.5in touch screen with wide band format. The unit then moves into position automatically.

The new NC drives and play-free mechanical systems are also integrated into the dual-motor shaping cutter. The revolving tool magazine allows the shaping cutter unit to be set to a number of different profiles fully automatically.

The fully automatic scraper unit performs the final machining operation. Two different profiles can be selected at the touch of a button.

Reduced set-up times, exclusively excellent quality and enormous variety are natural features of this machine. The new, high performance SPRINT 1329 Multi is Holz-Her's answer to providing a universal, smart edge-bander.

RETURN MASTER 5920 work piece return for efficient one-person operation

Automation is becoming increasingly important even in smaller workshops in order to ensure that they remain competitive and operate profitably.

The RETURN MASTER sets the stage for automated edge-banding, regardless of whether mass production or Batch Size 1 is required.

This Holz-Her return feature provides for efficient one-person operation for higher productivity and maximum flexibility.

The 5920 RETURN MASTER is perfectly matched to the SPRINT, ACCURA and LUMINA series edge-banders from Holz-Her.

The tilting air cushion table, as well as the certified safety package, provides absolute quality features for safe work places. Moreover, it is easy to process special parts.

The pneumatic discharge table allows even larger work pieces to be removed easily by the machine operator. Drives and guides are distinguished by their extremely long service life and exceptionally low maintenance requirements.

In addition to low energy requirements, a further advantage is automatic speed adaptation.

Another exceptional feature of the Holz-Her RETURN MASTER is its particularly heavy and stable design. With a total weight of 2 tons, the RETURN MASTER sets its own standards in terms of endurance and process reliability.

In many cases, economical one-man operation allows the return feature to pay for itself within a very short time.

The NEW ZENTREX 6215 – The next step in innovation

Holz-Her presented the new power package beam saw - the ZENTREX 6215 to the international public for the first time at LIGNA 2019. Powerful motors and an advanced linear guide

concept to ensure 100 per cent cutting quality.

The new ZENTREX 6215 demonstrates the highly stable machine construction you expect from Holz-Her. The high quality linear guide technology installed on all axes is claimed to be unique to the market.

Infinite keyway and saw blade protrusion of 115mm and fixed main motor with power up to 21kW qualify this machine to take its place in industrial production, as well as in craft workshops.

The large, 180mm pre-scoring saw with drive power of 2.2kW, as well as the electrical fine adjustment, including tool position memory is ideal for a wide range of different requirements. The entire sawing unit can also be equipped with speed control for further applications.

The absolute highlight on the ZENTREX 6215 is the newly developed two-stage extraction management system. Cutting-plan-controlled extraction flaps in the pressure beam, which open, or close, depending on the length of the cut, increase the extraction capacity at the saw blade, ensuring a clean machine table.

With scratch cuts, a controlled, moving extraction hood behind the saw blade catches chips and dust flying away to the rear during the cutting operation. This also ensures a clean support surface for scratch cuts.

For panel sizes whose length is difficult to differentiate from its width in spite of 3D simulation, the ZENTREX 6215 now offers a laser positioning system with accuracy down to the last millimetre.

The great advantage of this is that re-measuring panels, or incorrect positioning in the machine is a thing of the past. In

addition, the program-controlled, double lateral pressure system is a standard feature on the ZENTREX 6215.

Holz-Her systems automating custom production processes

Holz-Her Systems is the competency centre for futuristic solutions in machining derived timber products. With Holz-Her's W4.0 digitization concept, the company combines machines with state-of-the-art information and communications technology.

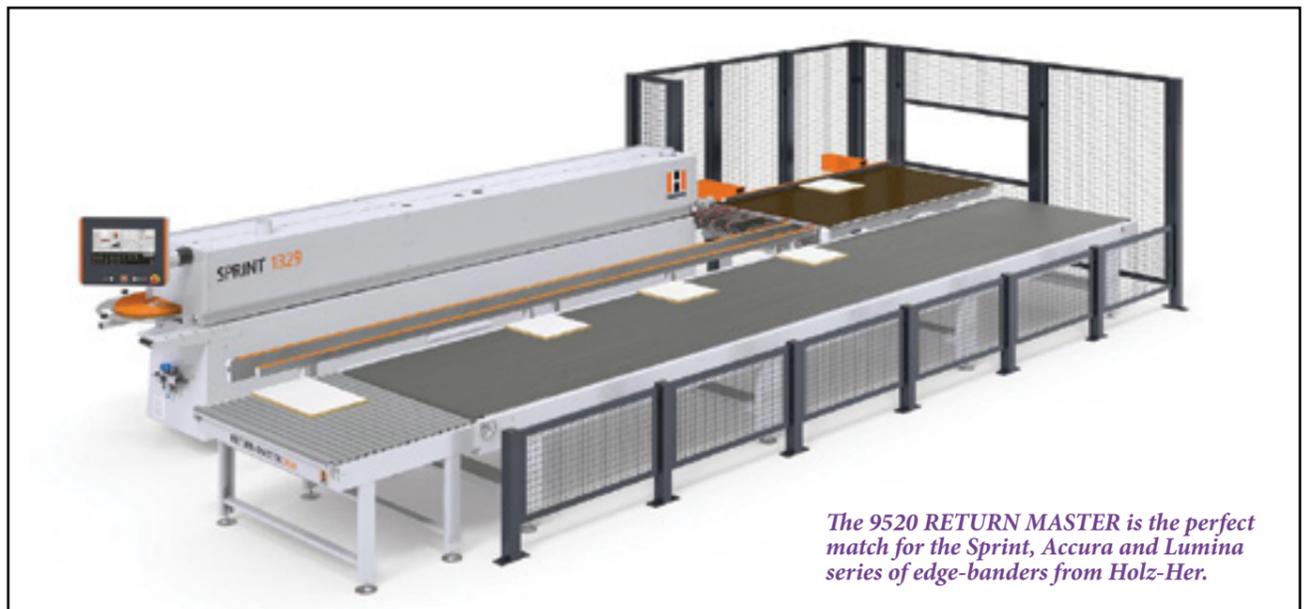
Indeed, it has never been easier to make your production processes more transparent and automate them to realize their maximum value.

With customer-specific, intelligent production solutions, Holz-Her can optimise the capacity and profitability of your production facilities.

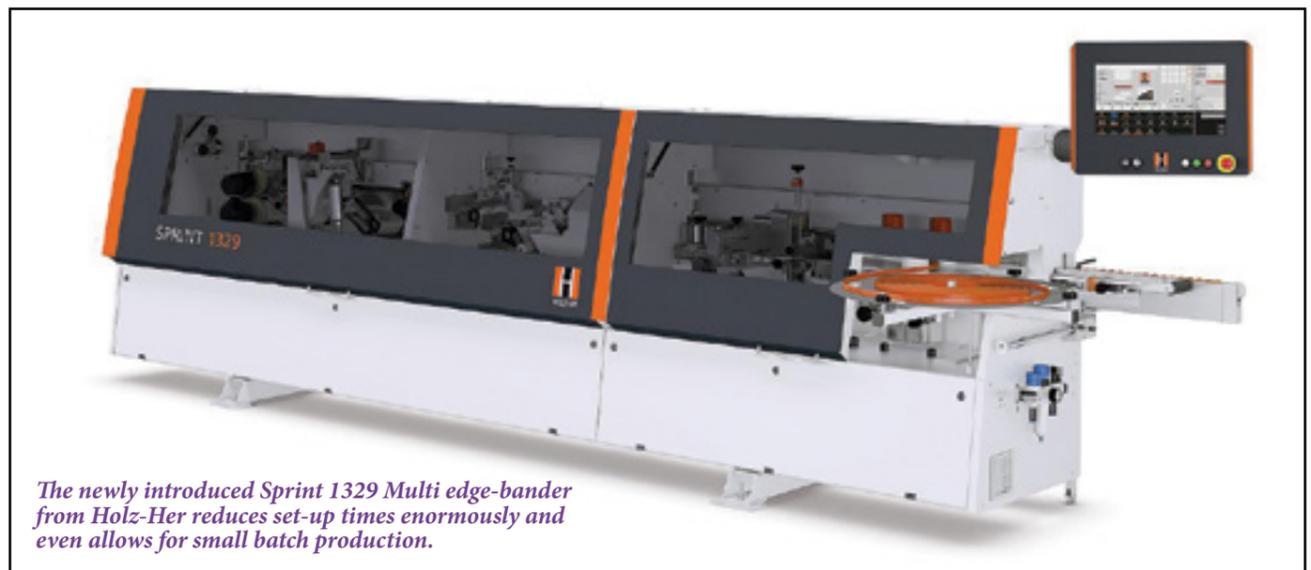
The many process automation features already realized worldwide using state-of-the-art machine technology, combined with matching software solutions, make Holz-Her systems the perfect partner for modern furniture production.

As a company, Holz-Her will be happy to accompany you on your path to production solutions with a secure future, or to provide consulting services for high efficiency storage facilities with the STORE-MASTER panel storage system combined with pressure beam saws and nesting machines.

For further information tel Weinig on 01235 557600.
Visit www.weinig.com



The 9520 RETURN MASTER is the perfect match for the Sprint, Accura and Lumina series of edge-banders from Holz-Her.



The newly introduced Sprint 1329 Multi edge-bander from Holz-Her reduces set-up times enormously and even allows for small batch production.



The compact Tectra 6120 Dynamic pressure beam saw fits easily into a relatively small workshop and impresses with its high performance panel processing.

BIESSE AT LIGNA 2019: A SPECIAL EDITION

BIESSE's 6,000m² square metre stand earned the appreciation of both customers and partners, representing a gratifying response to the company's investment in increasingly efficient services and innovative products.

Demonstrating automation and digital interconnection, Biesse presented 49 technologies in action, three fully-automated process solutions and 50 years of technological innovation all aimed at manufacturers from large-scale businesses with significant production volumes and those looking for flexibility through to smaller firms looking to increase efficiency and transform into real "smart factories".

Automation included 7 ROS (Robotically Operated Systems) serving sizing, drilling, sanding and CNC machines.

Overall, Biesse technologies were the undisputed stars of the stand and marked a year full of exciting new developments.

At the heart of the stand and representing the central theme for the show was the Digital Hub that guided customers on a journey through the phases of an Industry 4.0 factory, demonstrating data collection and distribution for simulating processes, production planning, optimisation and programming, all the way through to machine and service information delivered via the SOPHIA service platform.

The SOPHIA platform supports increased productivity by providing users with access to machine information, helping to optimise performance and monitor quality.

It can also anticipate potential faults and provide solutions to resolve any anomalies. In addition, Biesse can also take proactive steps to contact customers, helping to reduce machine stoppages, increasing machine availability and output.

Thus, the combination of automation and digitalisation can



provide real value to customers by helping to improve Overall Equipment Efficiency (OEE), the measure of how well a machine works.

'Intelligent systems are connecting the world,' commented Biesse Group UK commercial director, Robbie O'Neill.

'This allows businesses to adapt more quickly. It is about improving machine availability, performance and quality via physical automation or connected facilities.

'This means a leaner process is required if you want to compete, let alone just protect your business. Biesse can help customers transform their operations and help them to achieve greater efficiency and, therefore, derive better value from their machines,' added Mr O'Neill.

'We showed how we partner with customers, robotics suppliers and integrators to make factories smarter and more efficient, which allows both employees to add greater value to production processes and companies achieve improved results,' says chief executive officer of Biesse Group UK, Steve Bulmer.

To demonstrate this beyond just representations, Biesse built actual factories within their stand, focussing on the core areas of "size, edge and drill", showing what the future should look like for automated, flexible and linked production and the results that can be achieved.

The first smart factory on display was a Batch One solution that demonstrated sequential processing, panel by panel, irrespective of size. The line comprised of a number of different machines, all linked and communicating with each other to create a supervised system.

Production began by feeding a full sheet of material via a Winstore board storage and retrieval system into a NextStep

sizing machine. Each single panel produced was then fed into a buffer system.

This allowed the sizing operation to continue without causing bottlenecks, with panels then being fed into a Winner handling system that facilitated automated looped panel return.

This fed a Stream B MDS edge-bander that squared and sized each panel with finished panels being sent to a vertical buffer system, again to avoid stoppage of the edge-banding process.

Completed panels were unloaded, sorted and stored using a robot to create cabinet sets ready for "on demand" production.

These were then then fed into an Insider M, specified to drill on six faces. Finished panels would then be passed to assembly, or packing in the order required, creating a just in time, batch one, lean production process.

While utopia is a batch one solution, most modern factories endeavour to have an efficient Low Batch factory with the ability to handle high complexity. On account of this, Biesse decided to also display a low batch factory.

In addition to the facilities of the batch one factory, the low batch factory created complex shaped and edged panels in addition to standard square/rectangular edged panels.

Production began by feeding a full sheet of material via a Winstore board storage and retrieval system, with output split to a Selco WN 6 ROS flexible panel sizing centre and Rover B FT twin headed nesting router. Both included integrated robots for automated unloading.

This showed a variety of offloading solutions, which included horizontal and vertical stacking plus sorting to demonstrate reduced machine idle times and improved machine utilisation, as well as how to minimise the risk of panel damage that is often caused by manual handling.

The panels produced were then marshalled to the edge-banding solution, which combined a Stream B MDS edge-bander that squared and sized each panel with a Winner semi-automated looped handling system which incorporated manual loading.

There are a wide variety of drilling and machining solutions available from, but Biesse chose to demonstrate the most complex - a shaped, edged and drilled panel, using a Rover B Edge that was loaded and unloaded autonomously by a robot.

Overall, the low batch factory demonstrated that individual processes can be automated without the need to create a fully linked and supervised line. There were also a number of automated stand-alone machines.

The Opera R2 ROS robotic sanding machine not only demonstrated high quality precision finishing with two delta robots, but also included two articulated robots feeding and offloading finished panels, showing a fully automated sanding line.

A Rover S FT flat table machining centre was combined with a Winstore X3, a new panel management system, that demonstrated how an automated magazine can be integrated into



nesting and/or sizing cells, including retro-fit options for existing production lines.

The X3 delivers reduced production times thanks to the close proximity of panels. Therefore, it is possible to substantially increase cell productivity compared to manual loading methods.

Lastly, the Brema EKO 2.2 vertical processing centre, which has been updated with a new dowel insertion unit that provides customers with a completed panels, was paired with a robot to show how assembly times can be reduced.

'By establishing a perfect understanding with robots and machines, as human beings we can take advantage of one of the leading trends in the market - namely, robotisation - in order to improve business,' explained wood division sales & subsidiaries division director, Federico Broccoli.

'Indeed, in the era of automation, technological innovations enable us to create new business models based on automated and interconnected production,' he continued.

Biesse also debuted a number of a number of new machines and technologies.

The new Akron 1100 range of compact single-sided edge-banders are ideal for small-scale producers who want to modernise production.

Within its price range, the Akron 1100 is the only technology on the market offering high-level components such as the Rotax motors made by HSD - the leading manufacturer in its sector.

There are three configurations, offering choices on trimming, corner rounding and pre-milling. This entry-level range stands out in the market for its high specification, quality and performance. These are standards that are shared by all Biesse products.

A new option on Viet Opera 5 and 7 sanders was also announced. The new X-Spin Plus spin brush unit offers an easier and faster "snail lock" locking system. This system removes the need for a chuck that facilitates faster changeovers.

Performance has also been increased with more power that offers a higher cup speed and an electric oscillating system, both of which greatly improve quality and accuracy.

A new edging system on Rover A Edge 12/15 machining centres



FOR THE COMPANY'S 50th ANNIVERSARY



gives customers the ability to shape and edge larger panels, maximising the available working area.

In addition, customers have the option to choose Ray Force - a zero glue edge-banding system that delivers the same standard edge finish on shaped panels as Air force linear edge-banders. The new system also offers front tape loading, providing quicker changeovers.

OEE improvements are not always rooted in automation and digitalisation. Machine maintenance, set up and breakdowns

are some of the major contributors to poor OEE. A well-trained workforce can therefore help to minimise these risks and, in turn, enable manufacturers to become more autonomous.

The new Biesse Academy for Service is a training centre that customer's operators and maintenance workers can visit to help increase skills and knowledge.

Located in the Services Centre in Pesaro, Italy, it offers classrooms and laboratories, as well as, most importantly, Biesse machines, which technicians can use for training purposes.

'It was great to see so many visitors from the UK and have lots of positive conversations. This demonstrates that whether it be via large scale automation, stand-alone machines, services, or training, we have the ability to help companies of all sizes become more efficient and productive. Our customers recognised this value and made significant investments at the show,' concluded Steve Bulmer.

For further information tel Biesse Group UK on 01327 300366. Visit www.biesse.com

DEMONSTRATING OPTIMUM COMPETENCE IN ADHESIVES AND COATINGS

KLEIBERIT exhibited a comprehensive range of new developments and innovations at the recent Ligna event.

The main topics were new fields of application in surface finishing with the Kleiberit HotCoating® technology, for both indoor and outdoor use and high gloss lamination using the flat lamination process with PUR hot-melt adhesives.

In addition, Kleiberit presented an extensive range of ME (micro emission) PUR adhesives in various theme-based displays.

Interesting and technically challenging application solutions, eg for profile wrapping, edge-banding, flat lamination, and complete line process, was the primary focus.

Solutions included those for surface finishing, flat lamination, profile wrapping and edge-banding by Kleiberit ME (Micro Emission) PUR adhesive technology.

The Kleiberit stand was again the marketplace for practical live communication. Three lines were running continuously, so that visitors could experience surface finishing under real conditions.

For example, a line for finishing digitally printed roll-material ion the HotCoating process was in use.

In the future, it will be possible to coat materials with widths up to 1.5m wide, which provides users with completely new possibilities in terms of high quality wrapping of components, such as doors.

On a Compact-Line, high quality transparent high gloss films were shown being bonded with a PUR hot-melt developed specifically for the process and the classic HotCoating line produced both high gloss and super matt finishes, which will be embossed for structure in another process.

The impressive technology represents a true highlight in terms of surface finishing, as the flexible HotCoating functional layer does not crack like when using classic lacquers.

For the first time at LIGNA, Kleiberit chose to focus on its adhesive solutions in ME quality.

Under the title "The future is now", hot-melt adhesives for various applications were offered, which definitely made an impact in terms of user benefits.

The products feature highest bonding properties, combined

with safe and easy handling, as well as environmentally friendliness and no labelling requirements.

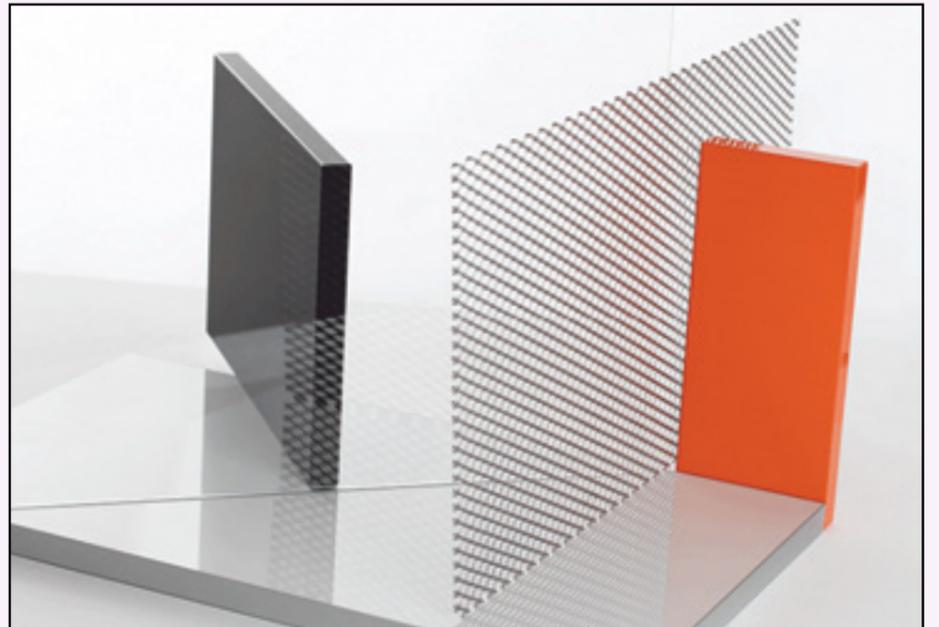
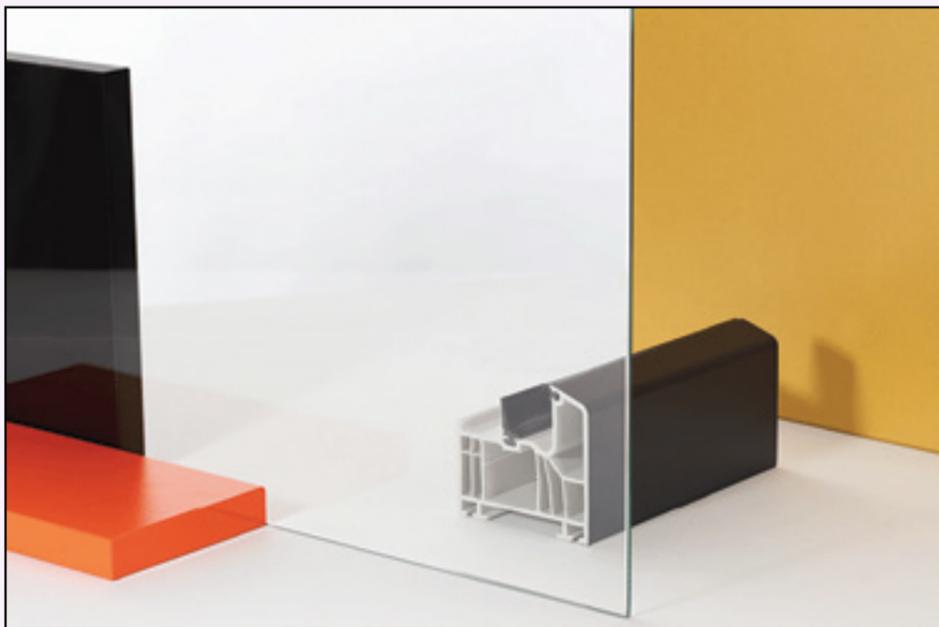
In proactive discussions with users and with regard to use considering the REACH discussion, this is one of the highlight topics for which Kleiberit offers solutions and products.

These solutions were being clearly presented in theme-based displays, such as flat lamination, profile wrapping, or edge-banding.

The entire program was complemented with new adhesive formulations for flat lamination of different materials, eg for the production of doors, finger jointing of load-bearing components, as well as reliable production of LVT design flooring and also featured the service and product range for demanding interior finishing.

Visitors were also able to participate in guided tours where the key topic was smart surface technology.

For further information tel Kleiberit on 01530 836699. Visit www.kleiberit.com



MARTIN MACHINERY THAT LIFT COMPANY GOES

EVANS Turner (Finishes) is one of the leading suppliers of high quality architectural finishes to the lift and escalator industry in the UK and internationally.

With over 80 years of expertise in bespoke metal fabrication Evans Turner has a tradition of designing, fabricating and installing products that elevate quality and stand the test of time.

The company's range of product developments and technologies has been designed specifically to meet the demanding expectations within the industry, providing total flexibility to create unique solutions.

Since the late 1980s, Evans Turner has worked on the interiors of most of the new and modernised prestigious buildings in London and the company is experienced in meeting the demands and quality required by the leading architects and main contractors.

The core business of the company is the design, fabrication and installation of architectural metalwork. Historically, this has been based around the lift and escalator industry, working for all of the major lift companies on construction projects where high quality is a requirement.

Over the past 10 years, the company has successfully expanded into lobby fit outs, reception desk and other associated architectural and metalwork finishes.

The company is co-owned by the two directors, Paul McEntire and Gary Bird. Both are engineering graduates, who have been with the company for some considerable time and have vast industry experience.

By maintaining a family feel to the business, there is a great pride in the workmanship. Combining this with extensive fabrication

skills enables Evans Turner to produce finishes of the highest quality. The quality of this company's work is of the highest standard. Clients return time and again to carry out high quality commissions. It is the company's culture to ensure that each client is totally satisfied.

Evans Turner (Finishes) has recently purchased a Martin T65 on the basis that it provides the perfect combination of tradition and innovation in the premium compact class of sliding table saws.

The T65 sliding table saw offers the perfect combination of tradition and innovation in a premium compact class.

Martin had redefined the premium compact class with the sliding table saw. This is because the T65 combines traditional operation with state-of-the-art electronic support. It therefore offers the quick, precise and efficient operation.

The proven 5.7in touchscreen control unit is at eye-level and provides the operator with appropriate and clearly structured support in the case of all operating and work processes.

The sturdy mechanical and sophisticated control technology are integrated to form a well-balanced machine. The reason for this is that Martin not only sets standards in terms of technology, but also in terms of operation.

TOUCHSCREEN

The high-end T65 compact sliding table saw supports the operator with its modern 5.7in (145mm) touchscreen controller at the highest performance level.

This modern form of machine operation has already proven itself many times over in practical use, not only providing easy handling of the machine, but also supporting the operator in calculating the workpiece dimensions and adjustment of the fences. This reduces set-up times and the work becomes much easier.

The user interface was developed in close co-operation between industrial graphic designers, users and Martin itself.

The operating logic is geared towards the needs of the woodworker and the icons on the touchscreen,

SLIDING TABLE

The Martin steel guide system, which has been continuously optimised since 1959, is used as a sliding table guide in Martin's sliding table saws.

The unquestionable advantage of the system is the absence of play, owing to the functional principle combined with the permanent smooth and easy movement of the table.

The fact that the tempered running surfaces are permanently lubricated with oil is a particular quality characteristic.

Dust and dirt and thereby prevented from sticking permanently to the sliding surfaces and the movement of the table provides constant self-cleaning.

Another important quality characteristic is that plastic parts are dispensed with in this component.

RIP FENCE GUIDE

The rip fence on the T65 can be easily manually moved and set very accurately thanks to precise fine adjustment.

The design deliberately dispenses with a simple round rod guide. Instead, the fence is sophisticatedly and precisely guided via four heavy-duty grooved ball bearings and the jaw moves freely over the table without any support.

If large panels have to be cut, the rip fence can be removed from the carriage in no time at all.

The optional hand-wheel enables the cutting dimension to be set from the operating position over the full cutting width.

HAND WHEEL FOR POSITIONING THE RIP FENCE

The optional hand-wheel adjustment allows the operator to control the rip fence on the T65 comfortably from the operating position – entirely without electronic control.

The easy-to-read travelling digital display enables precise settings to 0.1mm to be made over the complete cutting width. The fence is also locked down and released from the operating position.

CHANGING THE ROTATIONAL SPEED

Changing the rotational speed is amazingly easy on the T65 sliding table saw. It is comfortably carried out from above through an opening in the machine table. An infinitely variable speed adjustment is available as an option.

COMPOSITE FRAME

The machine frame of the T65 sliding table saw is a sturdy and thick-walled composite structure – the design of which is claimed can only be found with this degree of technical perfection on Martin machines.

On Martin machines, such as the T65 sliding table saw, the intelligent combination of steel and concrete create a high-quality machine frame, which is claimed to be unparalleled when it comes to stability, absorbing capacity and torsion resistance.

The vibrations which occur in any saw are absorbed many times more effectively than in cast iron, or even welded frames. This frame forms the best possible basis for perfect work.

CROSSCUT FENCE

Fine adjustment is regarded as an indispensable quality feature of a good crosscut fence by experienced woodworkers.



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



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HELPING TO ENSURE S ONWARDS AND UPWARDS

The cutting dimensions often only have to be altered by just a small amount, which is almost impossible without fine adjustment.

It is all the better that both stop elements of the crosscut fence also stand out, because of the smooth operation of the fence carriages.

Both stop elements run on high quality linear bearings constructed on wear-resistant, high-performance Polymer and can be used over the entire length of the fence jaw.

The crosscut fence can be used in either the front or rear position of the crosscut table, with just a simple movement and no need for lifting.

The tilting angle can be infinitely adjusted up to 50 deg in either position according to a scale.

The corrected cutting dimension is conveniently and precisely calculated for any desired angle by the controller.

SCORING SAW UNIT

A scorer enables the tear-free cutting of laminate boards. Two different versions are available for the T65 sliding table saw. Both units can be turned on and off and positioned electrically while lifting and lowering is provided pneumatically.

The two-axis system adjusts its left/right positioning fully automatically in relation to the right hand cutting edge of the main saw.

The operator simply specifies the scoring height electronically. The two positions are stored for the particular sawblade.

The scoring width is then adjusted, ie the position for the left edge of the main saw, with the machine at standstill, as in the case of all conventional systems.

The patented Martin three-axis systems offers the operator the maximum degree of comfort, combined with pinpoint accuracy, owing to its complete integration in the controller.

The system is referenced once and subsequently adjusts all three axes fully automatically to the new sawblade, eg after a change of the main saw.

All axes/scoring height, scoring position and scoring width – are positioned with electronic monitoring without further intervention.

This offers the key advantage that all the setting of the scorer relevant for the quality of cut are directly linked to the respective main saw and are always automatically applied both quickly and precisely. Time-consuming sample cuts are almost completely dispensed with.

SAFE LIGHT

If the scorer is running, the light integration in the table insert draws the operator's attention to the operating situation. Martin thereby provides the user with a considerable increase in terms of safety.

MITRE CROSSCUT TABLE

Martin invented the mitre crosscut table more than 50 years ago. It enables operators to make precise angle cuts on larger panels. The popular accessory has been steadily improved and optimised since that time. Whereas a scale was all that was required to set mitre cuts in 1958, the latest table includes a modern digital angle display and a fine angle adjustment.

The fence can be tilted in both sides 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 not without good reason that more than 75 per cent of all customers who purchase Martin sliding table saws opt for the sturdiness, functionality and precision of this impressive invention.

TWO-POINT CROSSCUT FENCE

As an option, there is the possibility of equipping the T65 with the tried and tested Martin two-point crosscut fence, so that the work piece can be aligned at two points. Only in this way can slightly convex first cuts, perhaps caused by stresses in the board, also be precisely cut at an angle.

Cutting lengths of 190mm – 2,020mm can be set quickly and extremely accurately thanks to the scale, which can be easily read with the integrated magnifier and the standard fine adjustment for the inner stop element.

The quick clamp enables the user to change the ball-raced stop element quickly from dimension to dimension and cut lengths up to 3,310mm with the extendable outboard stop.

If you prefer to work with digitally exact dimensions, the digital crosscut fence is the right option: the inner and outer stop work with separate measuring devices and can therefore be independently set with an accuracy of 0.1mm.

Each display can be changed over to display relative dimensions, in order to execute incremental cuts quickly.

CROSSCUT FENCE WITH FULL LENGTH SUPPORT

As an option, there is the possibility for the T65 sliding table saw to be equipped with the heavy-duty crosscut fence with flipstops and full length support. In contrast with the standard version, this version has a heavy-duty construction.

In the case of a two-point alignment, the inner stop element with fine adjustment and scale magnifier can be precisely adjusted.

The quick clamp of the stop element supports quick dimension change between 205mm and 2,020mm, whereas lengths of up to 3,310mm can be set with the extendable outboard stop. The fence provides the highest dimensional accuracy in the digital version.

Two easy to read LCD displays work independently of each other and the display is accurate to 0.1mm. Incremental settings are also possible with incremental dimensions can therefore be processed very quickly.

"RADIOCOMPENS" MITRE CUT SYSTEM

The innovation "RadioCompens" mitre cut system extends the capabilities of the mitre crosscut table to a considerable extent.

Thanks to the wireless-support, communication of the crosscut table, controller and stop elements, time-consuming set-up times for mitre cuts are reduced by up to 80 per cent.

The user simply sets the table to the desired angle and the electronic cutting length displays on the crosscut fence immediately show the corrected length dimension.

In contrast to other systems on the market, "RadioCompens" compensates for a variety of saw blade thicknesses by itself fully automatically.

As a result, you always have a precision cut with an accuracy of 0.1mm also on the left-hand side of the saw blade – irrespective of the saw blade you are currently using.

MitreX

The analogue or digital fence is characterised by the high setting precision thanks to a large angle scale and the supplementary digital angle display.

The mitres can be cut from two sides. Apart from a precise mitre cut, an exact length on the work piece is also required in most application cases.

A length compensation was therefore provided for 10 preferred angles (0 deg, 5 deg, 10 deg, 15 deg, 22,5 deg, 30 deg, 45 deg, 50 deg, 60 deg and 67.5 deg).

The fences can be used on alternative sides and permit cutting lengths from 90mm to 1,375mm.

An excellent feature of the MitreX is the utility model-protected tear-out prevention block, which guarantees tear-free cuts. It is also just as useful for cutting after marking out.

The one-handed clamping means that attachment to the sliding table is simplicity itself. The fence is very stable but, nevertheless, light weight and is supplied with a wall bracket.

CLAMPING & SAWING SYSTEM

The clamping and sawing system for sliding table saws is designed for the ergonomic, safe and efficient cutting of work pieces. The new system is an effective guard, which can be installed and adjusted in no time without the need for any tools.

When sawing oblique, short, narrow and wedge-shaped work pieces of different sizes, the Health & Safety regulations are often disregarded based on the assumption that it is quicker that way.

The new guard for sliding table saws puts an end to the excuses, as it makes the safe option impressively quick, without the need for tools, or any significant loss of time.

The clamping and sawing system is available in a standard and a comfort version.

A storage board for wall mounting, which is suitable for both versions ensures that each individual component of this work place protection device is always in the right place and quickly to hand.

SECOND SUPPORT

The optional second support supports the user in the true sense of the word. It is easily attached to the sliding table and simplifies the cutting to size of larger boards to a considerable extent.

The work pieces are securely supported by the 600mm long support and can therefore be perfectly cut.

Enhanced by the "rip fence" option, the support becomes a perfect rip fence, which assists the operator, eg when trimming work is being undertaken.

ON/OFF ON THE SLIDING TABLE

The optional switching device for switching the main and scoring saw on and off enables the user to start the machine and safely switch it off from any point of the sliding table.

It can be positioned without the need for any tools and offers the user the maximum degree of flexibility. Large boards can be positioned first of all and the machine is then comfortably started from the operating position – wherever it may be located.

EDGING DEVICE

The trimming of veneered or laminated boards represents just one area of application of the optional edging device.

This accessory is simply pushed on to the circular saw fence. It can also be used as a substitute for the lazer for cutting to size after marking out.

MOTORISED SLIDING TABLE

The motorised sliding table impresses as a result of its even feed, which ensures perfect cutting results and reduces complicated re-work on the work piece.

Thick, solid work, plywood, or chipboard and special materials, such as plastics, or non-ferrous plates can also be safely sawn with ease thanks to this powerful aid.

The extension of the system with a pneumatic pressure bar, the VacuSlide vacuum clamping device, or pneumatic clamp is ideal here.

If you think that sliding table saws are only suitable for working with wood and wood-based materials, then you are completely

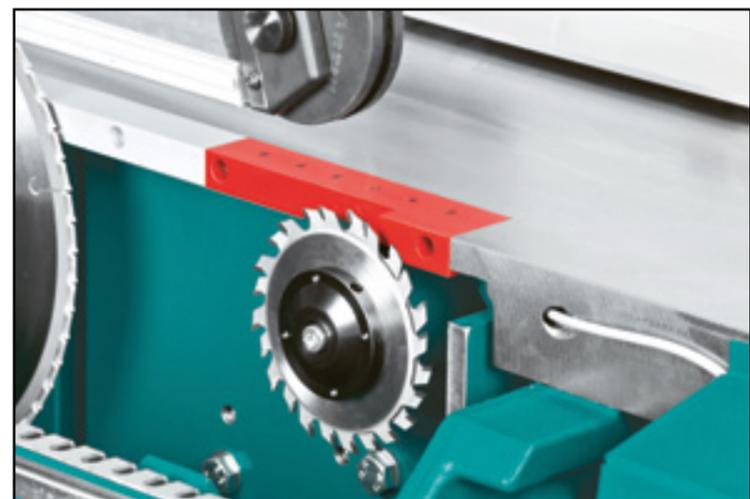


mistaken, as is proven in the case of Evans Turner (Finishes) where the company's Martin T65 is primarily used for cutting stainless steel.

Sliding table saws are the classics among woodworking machines, but they have long since conquered the world of aluminum and plastics.

Both materials can be cut perfectly with a modern sliding table saw, provided that you have the right equipment and the right accessories. Even special materials, such as CFRP can be ideally sawed with the right machine.

Considering all these aspects, it quickly becomes clear that in a contemporary workshop a modern sliding table saw as a productive all-rounder must not be excluded- something which managing director at Evans Turner (Finishes), Gary Bird and his staff have been all too quick to discover for themselves when operating the Martin T65 sliding table saw.



For further information on Martin
tel 00 49 8332 9110. Visit www.martin.info
For further information on Evans Turner
tel 01322 552230. Visit www.evans-turner.com

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JOINERY COMPANY WITH A QUEST FOR ADDED GROWTH

ENSURING that the level of service matches its unique craftsmanship has helped a Hemel Hempstead joinery specialist almost double its business over the last year.

Quest Joinery, which was formed by Jeremy Theakston and Allan Jackson in 2011, has posted an impressive £4.1m turnover for the last 12 months after securing a number of high-profile contracts in London.

This represents a £1.7m increase and highlights the growing demand for the company's specialist joinery products and services, including bespoke reception desks, wall panelling and cabinetry, not to mention its ability to incorporate specialist materials including glass, metalwork and upholstery.

It is now tapping into support from the Manufacturing

Growth Programme (MPG) to help it capitalise on the recent expansion by introducing an action plan that maximises recent investment in a new ERP system and creates a five-year business plan that will deliver £10m of annual sales.

'We were both involved in the industry and were being regularly let down by sub-contractors when it came to delivering a good service and completing jobs on time. The end result was "Let's do it ourselves",' explains Jeremy.

'That was how Quest was formed and we haven't really looked back over the past eight years, with the last two in particular marking our transformation into one of the first names chosen by architects, construction firms and property developers,' says Jeremy.

'We are now completing contracts that are worth £2m+ and these include projects at Chelsea Barracks, commercial offices in the City and Clarges, the luxury commercial and residential development in Mayfair,' he adds.

'Our clients choose us for our unique design, craftsmanship but, importantly, for the way we project manage the work, so that everything is completed on time, to budget and without any inconvenience to the end user.'

Quest Joinery has ambitious plans to more than double the size of the company by 2024 and to do this it turned to the Manufacturing Growth Programme to complete a review of the business and look at ways where it could become more efficient whilst helping the scaling-up process.

Manufacturing growth manager, Roy Matthews sat down with the management team to look at potential challenges and market opportunities, which supported the creation of an action plan.

This initially meant looking at automating certain production processes and giving staff access to real-time data so they can make decisions on job planning, the supply chain and contract lead times.

Over £20,000 has already been saved in administration costs and the company believes that the platform it has put in place – combined with the benefits of the ERP systems – will deliver it a 20 per cent productivity boost.

Allan picked up the story: 'We were really impressed with MGP and especially the growth manager who had a great deal of industry



experience and "got" what we wanted to achieve and where this would take us.

'He suggested some simple improvements and then looked at how we could integrate technology and automation into our factory that manufactures a lot of our products before we fit them on site,' says Allan.

'Growing so fast can be a challenging time for an SME, so I'm delighted that we've been able to work with Quest Joinery to help it effectively manage its growth and lay the foundations for future expansion,' says MGP's Roy Matthews

'It has disrupted a traditional industry through high levels of customer service and the fact it offers the latest 2D, 3D and BIM design technology, as well as expert joinery and fit-out services. The business model is working and generating lots of new opportunities,' he adds.

Quest Joinery has invested more than £250,000 on a new CNC router and the ERP system, as well as taking on a further 10 staff.



For further information visit www.manufacturinggrowthprogramme.co.uk



THE KOLLECTION FROM KRONOSPAN AND LAWCRIS



CREATING a unique furniture design can be challenging, especially when décor choices are "same-old same-old".

Imagine a new brochure featuring exclusive decors, unavailable anywhere else. This is where Kronospan has really excelled with the release of its new brochure, gathering together all its copyrighted décor designs.

Welcome to the Kollection of informed, on-trend designs, exclusive to Kronodesign,

available now from Lawcris.

The Kollection features 39 incredibly realistic woodgrains, ranging in tone from the cool and contemporary to warm and rustic.

For those seeking to go above and beyond the regular woodgrain offering, two intricately-crafted end-grains present an opportunity for outstanding design, which are sure to draw attention.

Alongside these woodgrains sit unique unicolours and authentic stone effects, the result of extensive research into global design, developed through Kronodesign customer interaction and journeys across the exhibitions and fairs both in the UK and around the world. The Kollection combines imagination with experience to give you the best in surface design.



For further information tel Lawcris on 0113 217 7177. Visit www.lawcris.co.uk

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CABINET VISION MAKES EVERYONE AN EXPERT

“CABINET Vision turns people who are unskilled in the craft of woodworking, into valuable, core members of staff, doing what used to be a highly skilled job.”

Those are the words of owner and managing director of quality kitchen specialist, Crabtree and Hargreeves. Brandon Collins

The Essex-based company is a recent convert to CNC machinery and CAM software. Until investing in a Felder Format 4 Profit H08 machine tool with 10ft x 5ft bed size, designs were undertaken in SketchUp, and what Brandon describes as “crude cutting lists” were then created with plug-ins, to use with the company’s panel saw.

‘The issue we had was that even if we were just 1mm out with a couple of parts on the panel saw, it added up to a product that wasn’t accurate,’ says Brandon.

‘This prompted us to go down the CNC route. Felder understood that this was our first CNC machine and that we had no experience of them. They helped us every step of the way and recommended Cabinet Vision as the best software for driving the machine to do what we needed. It eradicates all errors, as the design is faithfully reproduced in the NC code,’ explains Brandon.

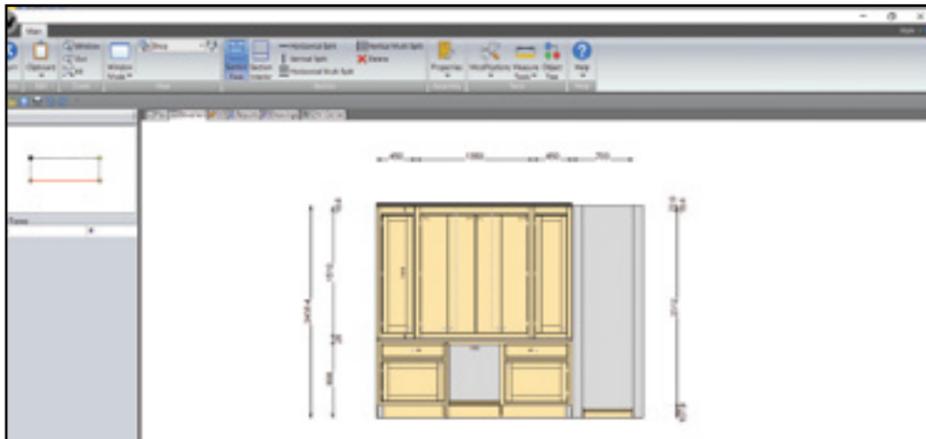
Whilst Brandon Collins’ background is in cabinetry and woodworking, his team are not all from a cabinetry background. However, he points out that Cabinet Vision means that they don’t have to be.

‘They have state-of-the-art computer skills and using the software makes them extremely valuable employees with a different skill set from traditional craftsmen,’ he continues.

Brandon is the company’s main designer using Cabinet Vision, which also creates NC code sent to the Felder machine through the software’s Screen2Machine module. His son, Bradley, handles the manufacturing operation on the machine.

‘When we begin a new job in Cabinet Vision we put all the customer’s details on the Job Page and set the specification. This includes everything, such as the carcass material, frame type, hinge type and construction method – we normally use the blind dado method for everything we do, wherever possible.

‘Then we drag the objects into the room, to wherever we want them.



Double clicking brings them up into section mode and we break everything down. Everything’s completely customisable – doors, drawers, bore holes... the list is endless,’ says Brandon.

He adds that they also use it for plug cut-outs.

‘Instead of the fitters cutting out where plug sockets go inside cabinets, we set it up onscreen and the machine simply cuts them,’ explains Brandon.

As well as accuracy, Cabinet Vision also provides considerable time savings, increasing the company’s capacity and enabling additional business.

‘When we were using the panel saw, it used to take a day to produce cabinet cut lists for one kitchen. After that, it was about a week to get everything cut and fully machined, drilled and hinge holes and screw holes for runners cut and ready for assembly. Now the entire process takes about a day and a half.

‘Once the design is finished, we simply send the NC code to the machine, using Screen2Machine. Once it’s gone from the computer to the screen, there’s no scope for any errors,’ says Brandon, adding that whilst a single person can run the Felder machine, production throughout the day would be the equivalent of three or four people.

‘Cabinet Vision represents the future of Crabtree and Hargreeves. It’s core to everything we make. Even if we’re just carrying out a simple frame and carcass drawing, it goes through the software,’ says Brandon.

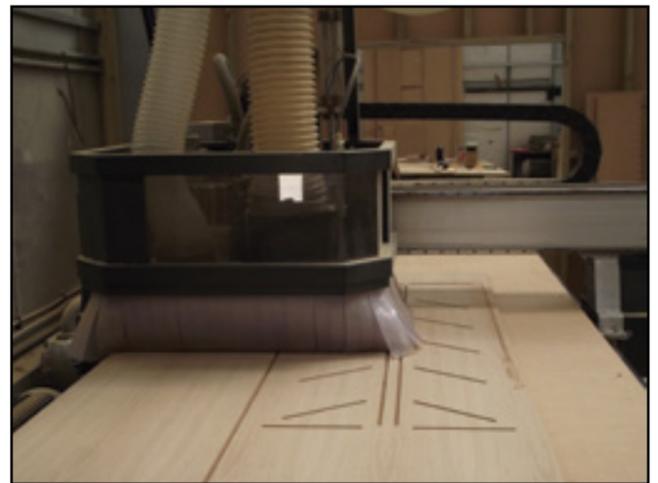
‘It also helps to keep the production workflow running smoothly. As one kitchen’s coming off the machine, the next one’s leaving the screen and the process starts again,’ he adds.

In conclusion, he says that the company’s biggest challenge, prior to taking the CNC and CAM route, was using several pieces of software in their processes to achieve what was required.

‘Now everything’s done through Cabinet Vision, from the initial design, through production drawings, giving customers photo renders, elevation drawings where required, to the parts coming off the machine.

In addition, the amount of information we can extract from the system is huge, compared to what we were getting before,’ he concludes.

For further information tel Cabinet Vision on 01189 756084. Visit www.cabinet.vision.com.



A MUCH NICER PLACE TO WORK!



A MANUFACTURING company in Somerset has purchased a wood waste heater from Wood Waste Technology to save money on heating and waste disposal bills.

Pro Carve Ltd is a specialist CNC routing company that operates from a 2000ft² warehouse in Cheddar.

Due to the nature of CNC routing, the business generates a substantial amount of waste wood regularly.

Whilst managing director of Pro Carve Ltd, Rolf Weber manages to recycle his plywood offcuts into animal bedding, his MDF offcuts were more difficult to dispose of. As a result, the business was spending money on hiring skips to dispose of the MDF waste wood.

Whilst managing director of Pro Carve Ltd, Rolf realised that by investing in a wood waste heater, the MDF waste could be transformed into free heating to keep the workshop warm in winter, as it had no other form of heating.

Rolf managed to find a second-hand wood waste heater for sale, so took the plunge and purchased it, but was disappointed with the results.

That’s when a business associate suggested he look to purchase a different manufacturer’s wood waste heater and highly recommended that Rolf look at the heaters made by Wood Waste Technology.

After speaking with Wood Waste Technology’s managing director, Kurt Cockroft and hearing recommendations by other businesses about the quality and efficiency of Wood Waste Technology’s heaters, Rolf purchased a brand new WT5 wood waste heater from Wood Waste Technology.

‘I would never have thought there could be such difference in wood waste heaters and I’m so pleased that someone suggested I talk to Wood Waste Technology,’ says Rolf.

‘We’ve had excellent service from the team, as the guys

there are really knowledgeable, friendly and helpful and the new heater is just fantastic.

‘We can now burn all our MDF offcuts, and we’re saving money (and the Environment) by not having to hire skips to send the MDF offcuts to landfill.

‘The free heating makes the workshop a much nicer place to work on cold winter days and we’ve added a summer heat dump so we can run the heater all year round and send the heat to atmosphere when it’s not needed inside,’ explains Rolf.

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’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, www.grossuk.co.uk or www.putzmaus.co.uk. For more information about Pro Carve visit www.procarve.co.uk

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Email us at: bill.willowe@gmail.com

AXYZ ROTER PROVING TO BE PIVOTAL TO THE SUCCESS OF ITC

FOR over 25 years, Tamworth, Staffordshire-based Industrial Tooling Corporation (ITC) has been supplying high-quality cutting/routing tools to a wide range of industries, including the woodworking, furniture production, joinery and panel processing sectors.

The tools are produced using specialist materials, such as solid carbide and/or PCD (Polycrystalline Diamond), with the latter providing a harder surface to enable greater abrasion resistance and the ability to handle a more diverse range of difficult-to-process materials and radically increasing tool life to reduce production costs.

The installation of an Axyx 4000 series CNC router supplied by Axyx Automation Group was a conscious decision by ITC to greatly enhance its research and development and production capabilities.

'Investment in the Axyx router was made primarily to help the development of new cutting tool technology to meet constantly changing market trends and to facilitate comprehensive in-house testing of next-generation substrates, coatings and geometries prior to the introduction of all new and future cutting tools,' says technical sales manager at ITC, Sally Hunt.

By providing this in-house facility incorporating a high-performance Axyx router, ITC has helped reduce unnecessary and potentially expensive downtime at customers' own premises.

'Although still in its comparative infancy, this vital customer



support facility has enabled ITC to fully evaluate every tooling solution to make sure that it is the most appropriate for the materials to be processed, regardless of how complex and difficult these might be,' says Sally.

'With the assistance of the Axyx router, we are able to pre-test, tweak and refine as necessary new tools, as well as enhancing the capabilities of existing product lines when required,' she adds.

The Axyx router installed at ITC is the 4008 model. It features

a 1.5m x 2.4m processing bed based on a solid steel frame construction to better accommodate more vigorous machine operation required for the testing of certain specialist tools.

A powerful 10.8hp 24,000rpm routing/cutting spindle lends further support to the testing parameters in place.

As with all CNC machines supplied by Axyx Automation Group, the Axyx 4008 router can be supplied with a wide range of optional production tool enhancements.

These include the Axyx ATC (Automatic Tool Change) system which provides up to 33 tool-change stations to accommodate work requiring multiple tools, the Axyx Zone Management facility for optimum material hold-down efficiency and the latest A2MC machine controller with integrated AVS (AXYZ Vision System) for precise routing/cutting accuracy.

These can be supplemented with the latest helical rack and pinion drive system, incorporating a multiple gear teeth configuration.

This enables a more even distribution of the workload, leading to faster throughput speeds, reduced material wastage and machine wear and, ultimately, a longer than normal machine life.

For further information tel Axyx on 01952 291600. Visit www.axyx.co.uk

GOWERCROFT JOINERY APPOINTED AS A PILKINGTON SPACIA DEALER

HIGH quality timber window and door specialist, Gowercroft Joinery has been appointed as an official dealer for Pilkington Spacia double glazing units across the UK.

The Derbyshire-based company has extensive experience working with these revolutionary vacuum insulated glass units (VIGs), which combine the thickness of single glazing (6.2mm) with the thermal performance (U-values as low as

0.9W/m².K) and acoustic benefits equal to standard modern double-glazing – typically 28mm thick.

The dealership agreement represents the formalisation of a relationship, which has developed over the past four years, as Pilkington UK and Gowercroft Joinery have worked together to develop opportunities for Pilkington Spacia within the heritage and listed property market.

Gowercroft is the first specialist manufacturer to have designed an entire range of heritage windows and doors using Pilkington Spacia, combining traditional joinery and craftsmanship with highly innovative design features and products, such as Accoya timber and a unique Sirca paint finish. These products are guaranteed to deliver exceptional performance and zero maintenance for 10 years.

'Having had mounting concerns about the performance and longevity of low sight-line slim double-glazing in heritage properties, we were delighted to find Pilkington Spacia,' says managing director of Gowercroft, Andrew Madge.

'It is the only product on the market which offers the traditional aesthetic, exceptional performance and also an excellent track-record as a reliable product – being in continuous use for well over 20 years.

It truly offers owners of historic and traditional styled properties the best of all worlds,' continues Mr Madge.

Since their launch in 2017, Gowercroft's Richmond flush casement and Winston sliding sash windows have been specified in Listed and historic properties across the country and have also been recognised, for their quality and innovation in several prestigious, national industry awards, including 2017 Build it Awards (winner), the 2017 British Woodworking Federation Innovation in Wood Award (finalist) and the 2018 G18 Awards (finalist).

'Our relationship with Gowercroft has enabled us to demonstrate the true potential of vacuum glazing technology within the heritage market and beyond, so we are delighted to now appoint Gowercroft as one of our official dealers for Pilkington Spacia VIGs,' says UK and Ireland business development manager for Pilkington, Tony Smith.

Gowercroft Joinery has a network of six official dealerships now operating in the UK and Ireland to make Pilkington's ultra-thin vacuum glazing more readily available to homeowners, restoration specialists and developers.

For further information tel Gowercroft on 01773 300510. Visit www.gowercroft.co.uk



Gowercroft managing director, Andrew Madge (right) with Tony Smith, UK and Ireland business development manager for Pilkington finalise the appointment in the Gowercroft workshop in Alfreton, Derbyshire.

SAFETY TRAINING WOODWORKING HELPS TO ENSURE THE SAFETY OF THE WORKFORCE

ACCIDENT rates within the woodworking industry are among the highest in the manufacturing industries. When it comes to teams working with woodworking machines, or tools, the safety and well-being of those staff is the employer's responsibility.

This means that it is imperative that training is up to date and that the machines being used have the latest safety equipment fitted and that the appropriate tooling is in place, whilst ensuring that the working environment has been assessed for safety.

Although a business has legal responsibilities for the safety of its workforce, it also makes good business sense to promote safer working practices, resulting in less



Damian Smith on-site at Beechwood Frames, Long Eaton.

downtime and more efficient practice.

The question, therefore, is does your workplace meet current HSE standards?

Managing director of Safety Training Woodworking, Damian Smith can provide answers.

Busy start to the year

Damian says that since the beginning of 2019, his company has been busier than ever.

In fact, in order to meet growing demand for the company's insight, training and expertise, Safety Training Woodworking has added a new member to the team, Neil Clarkstone.

Neil has a long history in the industry and will deliver training and help to ensure that parts orders will continue to be promptly dispatched.

Safety Training Woodworking provides training that meets a range of requirements, including:

- Familiarisation/refresher training for existing operators.
- Certified operator competence.
- Face-fit testing.

The company covers all operator needs and machine types for woodworking machinery, as well as courses for abrasive wheels and portable power tools, along with face-fit testing where respiratory protective equipment (RPE) is used as a control measure under Health and Safety Legislation.

PUWER and risk assessments

In order to ensure that your working environment is safe for your team, the company offers a range of services, including on-site PUWER assessments and risk assessments.

Safety guards

Safety Training Woodworking is an official supplier of Suva and Aigner safety equipment, guards and spare parts, with a healthy stock in the UK.

Parts and equipment

The company offers sharp-edged, high-quality, German-made Tersa knives, Centrolock knives, reversible tips and sawblades.

For further information visit www.safetytrainingwoodworking.co.uk

To find all the latest news online go to www.industrialwoodworking.co.uk

Email us at: bill.willowe@gmail.com

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