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NO MORE NIGHTMARES

SUNRISE Wood Designs in Dallas Texas is using using Cabinet Vision to produce a high-volume of custom residential projects, providing cabinetry for roughly one-third of all of the region's new homes.

Two plants turn out cabinetry for about 30 houses/day — including both modular and highly customised kitchens.

Sunrise Wood Designs transitioned to the Cabinet Vision

Screen-to-Machine™ (S2M) solution in 2016.

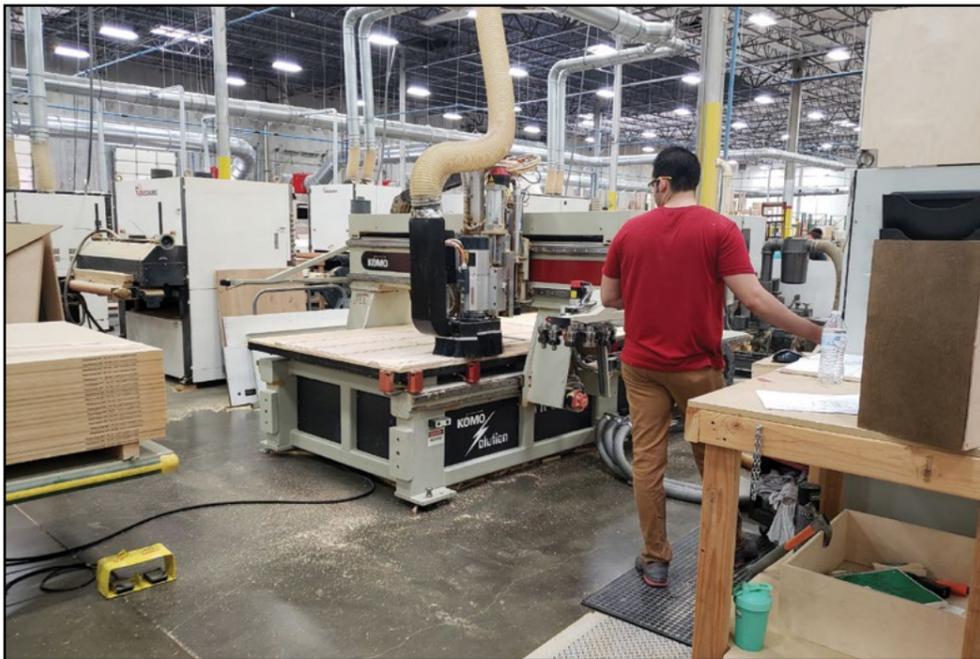
'We use Cabinet Vision every day and we couldn't live without it. We rely on its design, job-planning and CNC production capabilities,' says vice president of design, Terry Moore.

Cabinet Vision's ability to quickly generate shop drawings also makes the software a useful graphical tool for communicating job details at a glance.

With the use of Cabinet Vision, more complex jobs — such as those that require grain matching — can be completed both quickly and without error.

'When we do the grain matching, it works so well for us — and doing that by hand is a nightmare to get right. Now, we just cut them out on a router and label them and it goes together perfectly,' says vice president of design, Terry Moore.

For the full story please turn to Page 22 of this issue.



STRENGTH TO STRENGTH

SPACE-Plug – the brainchild of former fitter turned managing director, Cliff Petit, has recently topped sales in excess of 3.5 million units.

It seems that the old-school business plan of not spending it until you have made it is paying off for the company.

This year the company is set to break out of the cottage industry-style of business with plans for major investment from company funds.

'The company's future profits are safe in the knowledge that Space-Plug is hugely popular with an ever-growing list of delighted users,' says Cliff.

For the full story, please turn to Page 4.



MARTIN PROVIDES GERMAN PRECISION



The Martin T12 spindle moulder is the perfect spindle cutter for a wide variety of applications.

THE Martin T12 spindle moulder is extremely compact and is therefore capable of fitting into any workshop.

It features a highly functional, but easy-to-use control system and represents excellent value for money.

With its individual customization options,

it is the perfect spindle cutter for a wide variety of applications.

Motorised positioning of the fence enables all the settings, which were previously made with the hand-wheel to be made comfortably and accurately via the control unit.

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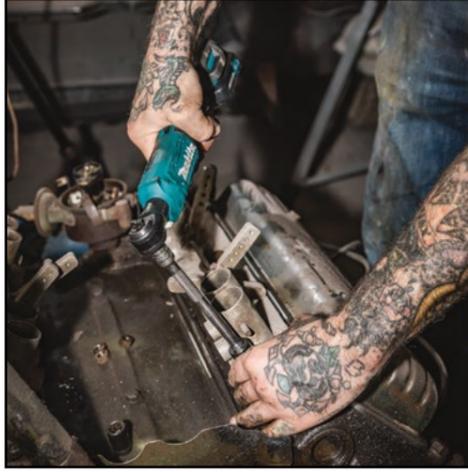
MAKITA'S NEW RATCHET WRENCH

MAKITA's new cordless ratchet wrench is a versatile, compact and lightweight tool suitable for use across a wide range of applications and ideal for accessing tight spaces. With a number of innovative features included, the WR100DZ has been designed to ensure optimum efficiency and operator productivity.

It utilises Makita's CXT Compact eXtreme Technology (CXT), making this an ultra-compact and lightweight (1.0kg-1.2kg) machine, suitable for extended use. The inclusion of a LED job light means that the WR100DZ can light up the project space and aid working in restricted, dark spaces, maximising productivity.

For ease of operation, the wrench includes a variable speed trigger to easily control the speed and a trigger lock, which prevents the trigger from being accidentally pulled and improves operator safety by preventing the tool from being accidentally turned on.

The locking position also enables operation as a hand ratchet, when the motor is not engaged, so the operator can run-up the nut using the machine without overtightening and then add that final



bit of tension by hand. The WR100DZ is supplied with two socket adaptors (6.35mm square drive and 9.5mm square drive), which can be removed to convert the tool into a pass-through ratchet wrench. This is ideal for tightening 13mm nuts on to long threaded bolts, such as a threaded rod. It also includes a reversing lever, which ensures that the tool can rotate both clockwise and anticlockwise.

'The WR100DZ has been designed with ease of operation in mind; the inclusion of CXT means its compact, lightweight design improves handling in tight spaces and overhead applications and enables operators to use the tool for extended periods of time with minimal fatigue and with maximum control,' says Makita's marketing manager, Kevin Brannigan.

The WR100DZ is a 12Vmax machine with a no-load speed of 0-800rpm and maximum fastening torque of 47.5Nm. It produces vibration of 2.5m/s² and sound pressure level of 74 dB(A).

For further information tel Makia on 01908 211678.
Visit www.makitauk.com

THE SITE IS ALIVE WITH THE SOUND OF MAKITA'S MUSIC



MAKITA has launched the latest addition to its radio range, with the DMR115 Job Site Radio. With Bluetooth functionality and a light weight of 4.8-5.5kg, it is the perfect companion for construction workers.

It is a robust and simple to use DAB/DAB+ radio. IP65 rated, it has a highly durable design with elastomer bumpers to protect against tough jobsite conditions.

The Job Site Radio has a powerful Bluetooth sensor to connect wirelessly for audio streaming from mobile devices up to a range of 10m away.

It includes two stereo speakers and an additional subwoofer to produce high quality sound.

In addition, the Multi-Amplifier provides clear hi-fi sound reproduction without decreasing sound quality even when the volume is turned up very high.

'Workers often spend long hours on-site, from taking on heavy-duty construction work to fixing snagging – so it's only right that they have high quality, reliable entertainment available to help make even the most

laborious of tasks more enjoyable,' says product manager at Makita, Matt Chilton.

'We've designed our latest DMR115 Job Site Radio to provide not only the best in sound quality, but the best in convenience.

'The radio is equipped with a dual power source for AC or Makita LXT and CXT batteries, providing flexibility regardless of the power sources available onsite.

'In addition, the USB slot will allow for mobile charging onsite, so you never need to worry about draining the source phone's battery.

This, in combination with a high quality sound woofer to provide deeper and richer bass sounds, a My Equaliser (MY EQ) mode to adjust treble and bass and six selectable sound modes to suit various music genres, makes the radio the ultimate onsite companion,' concludes Mr Chilton.

For further information tel Makia on 01908 211678.
Visit www.makitauk.com

RIVETING MADE EASY WITH MAKITA

LEADING power tool manufacturer, Makita has added two new rivet guns to its power tool range. The DRV150Z and DRV250Z include Makita's innovative LXT battery technology and brushless motor for maximum efficiency.

The DRV150Z and DRV250Z are both powered by Makita's 18V LXT batteries, which offer industry-leading run times and charge times, improving on-site efficiency.

LXT means that the DRV150Z and DRV250Z benefit from anytime charge (without the need to drain down) and minimal self-discharge and the battery indicator lights make it simple for operators to monitor how much charge their tools have, improving operator productivity. The machines are compatible with Makita's 5Ah and 6Ah LXT batteries.

Both machines are designed for heavy-duty, industrial applications. The DRV150Z and DRV250Z can pull both steel and stainless-steel rivets – the DRV150Z can pull rivets up to 4.8mm in diameter and the DRV250Z can pull rivets with diameters up to 6.4mm. The DRV150Z and DRV250Z can be adjusted to install 2.4mm rivets up to their maximum capacity, simply by changing the nose cone and push rod assembly.

With a 5Ah battery, the DRV150Z can dispense 2,800 4.8mm mild steel rivets per charge – approximately 560 rivets per amp. Due to a shorter pulling length, the DRV150Z is also 1.8 times faster.

The DRV150Z and DRV250Z have a rivet holding mechanism

in the nose cone. This ensures that once a rivet is inserted, it is held in place if the tool is being used in any position. This significantly improves efficiency and operator safety. Once the rivet has been installed, operators can tip the tool backwards to ensure that the spent mandrels are collected in the transparent container, instead of littering the worksite.

The inclusion of a brushless motor makes the DRV150Z and DRV250Z incredibly efficient machines. Due to their design, brushless motors do not create friction which limits wear and tear and reduces wasted energy through heat production (which subsequently prevents the tool from overheating). This improves on-site efficiency, as operators can continue to use the DRV150Z and DRV250Z for extended periods of time.

'The combination of cordless and brushless technologies makes Makita's new models up to 50 per cent more efficient than alternative machines.

'The DRV150Z and DRV250Z have been designed to ensure that operators can keep working for longer,' says Makita's managing director, Kevin Brannigan.

'There are no concerns about the tool overheating due to friction in the motor, or the batteries losing charge too quickly, or taking a long time to recharge,' concludes Mr Brannigan.

For further information tel Makia on 01908 211678.
Visit www.makitauk.com



MAKITA MAKES WORK PLANE SAILING

MAKITA has launched an exciting new range of products, including the DKP181 18V Brushless LXT Planer (82mm). Combining the speed and capacity of a corded planer with the convenience of cordless, the tool is part of Makita's expanding 18V series, the world's largest cordless product line-up powered by an 18V Lithium-Ion battery.

With a 12,000rpm brushless motor providing power equal to that of AC models, the DKP181 is a powerful cordless solution offering increased battery efficiency, designed for building and construction applications.

Its high cutting power provides up to 3mm max planing depth, a planing width of 82mm and a rebating depth of 25mm, make it ideal for shortening doors, ship-lapping, or tapering mouldings.

For user comfort and flexibility, operators can precisely adjust the planing depth and manoeuvre around projects easily by diverting the wood chips either to the left or right, by adjusting the ejection cover plate to the preferred side. The planer offers easy chamfering with three chamfering grooves for different groove dimensions and positioning.

Featuring an electric blade brake to prevent user injury, or



damage to the workpiece, the blade rapidly stops after the trigger has been released. The line-up includes model options fitted with Makita's Auto-start Wireless System (AWS), which connects to compatible dust extractors via Bluetooth to help minimise dust inhalation, as well as keeping the workplace clean and tidy whilst working.

The planer uses a brushless motor, with the result that no friction is created within the motor, to improve the longevity of the tool. Combining this technology with LXT batteries makes the machine up to 50 per cent more efficient and twice as durable, in comparison to alternative models with standard motors.

In addition, the Automatic Torque Driver (ADT) technology automatically changes the cutting speed according to the load conditions for optimum operation and efficiency.

'This tool provides power, versatility and optimum cutting performance. We have included the dust management feature to help reduce time spent on cleaning up and more time for operators doing what they are skilled at – getting the job done,' says marketing manager for Makita UK, Kevin Brannigan.

For further information tel Makia on 01908 211678.
Visit www.makitauk.com

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SAWING AHEAD WITH NEW BEAM SAW

ATLAS Leisure Homes is one of the UK's leading caravan manufacturers, producing upwards of 44 caravans/week from their manufacturing facilities in Hull.

However, when faced with an ageing beam saw that was breaking down three or four times a day and increasingly challenging turnaround times, the company needed to source a replacement, or run the risk of falling short on the company's weekly orders.

The solution was a Holzma Profiline HPL 510 beam saw from reconditioned machinery specialist, Ferwood.

'In our line of work, we can't afford for breakdowns to impact our production lines,' explains machine shop manager, Michael Mason.

'We pride ourselves on offering our customers the very best service and a high quality product. We can't have our lead times dictated by unreliable machinery and continual breakdowns. When our production showed signs of slowing down, due to our beam saw, we chose to work with Ferwood to find an alternative,' says Mr Mason.

Atlas Leisure Homes are no strangers to purchasing used machinery and have found it an economical way of purchasing high-specification machinery.

'We've found that buying used machinery can be really good value for money and if, like us, you have a good idea of the kind of machine you want, it's often a really straightforward way of doing business.

'We were running our old Holzma beam saw for 18 years and were keen to continue using a brand that, until recently, had served us well.

'In addition to the build quality, the new model needed to work quickly and efficiently on batch orders and cut 400 panels over the course of two 10 hour shifts per day.

'It also needed to work with 12mm and 25mm MFC, 11mm and 25mm Sterling board, chipboard and plywood, so both a main sawing unit and scoring unit were needed.

'The option of remote programming and integrated optimisation software that could help us reduce material waste and man-hours was also desirable,' adds Mr Mason.

Following an online search, Michael got in touch with Ferwood – a company which stocks a wide range of beam saw brands.

'We knew of Ferwood and came across several beam saws on their website that looked like they could work for us. Unlike other suppliers who often just service the machines before selling them on, Ferwood offered us a "Ferwood Approved" beam saw that had been fully reconditioned from top to bottom as well as a six-month warranty.

'Not only was this machine considerably cheaper than a new machine of the same specification, we were purchasing a reconditioned, fully serviced machine delivered to us at a time that suited us. It was a major selling point,' says Michael Mason.

Once fully tested by Ferwood's specialist engineers, Michael Mason flew to Italy to see the beam saw in action and, following an in-depth demonstration using the company's own materials, agreed for the machine to be stored until their summer shutdown.

'Our manufacturing facilities close for three weeks during the summer. It's the only time we can afford not to have the beam saw up and running.

'The installation of the new saw had to take place during this time frame and be ready to work as soon as we re-opened,' explains Michael Mason.

True to their word, the new Holzma Profiline HPL 510 beam saw was delivered and fitted within the agreed time frame. The engineers even worked around a new extraction system that was being installed at the same time.

'It went like clockwork,' says Michael Mason.

With its new beam saw in place, Atlas is poised to increase productivity. The new machine not only has rear rollers designed to speed up lateral pre-loading of the machine but, once loaded, it can also cut up to seven panels at a time, cutting the overall running time when putting time-sensitive, batch orders through the saw.

Its software has also de-skilled the job of the operator and has reduced the risk of errors, thanks to its clear and precise cutting patterns.

The machine gives a clear indication of what needs to be done to optimise each job and directs the operator, if re-cuts are needed. It even highlights what needs to be completed and when.

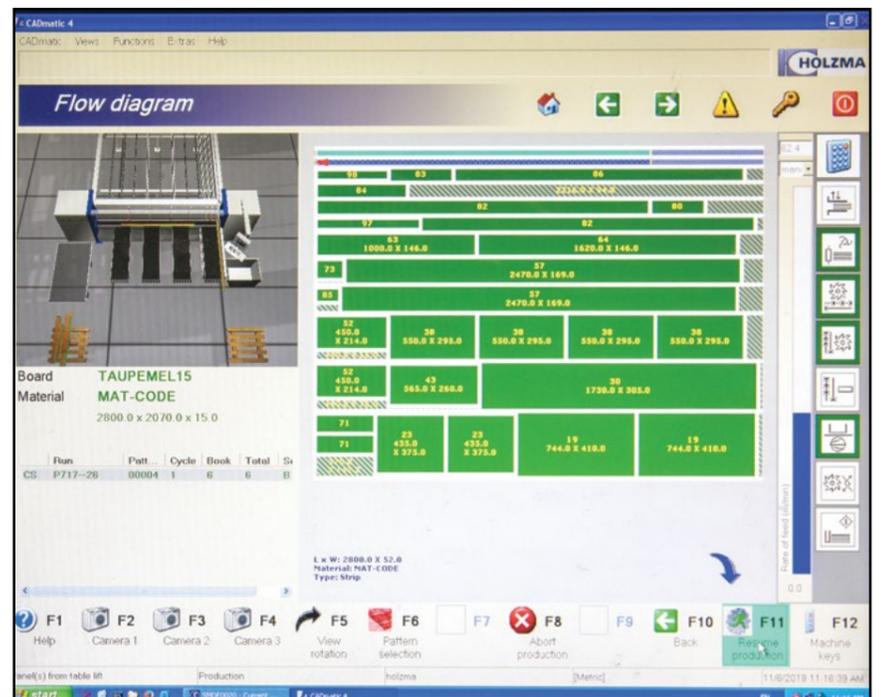
'These functions are already proving valuable to production and have led to faster cutting, more effective use of labour and reduced material wastage,' says Michael Mason.

'Now that we have good quality machinery in place, our next step is to look at more ways to automate our manufacturing processes and streamline our production.

'We're already looking to incorporate rainbow stacking alongside the new beam saw to increase efficiencies further – something we would not have been able to consider without the installation of a fast and reliable beam saw.

The Holzma beam saw has certainly impacted our business positively and we're excited to see where our relationship with Ferwood will take us,' concludes Mr Mason.

For further information tel Ferwood on 0113 286 6689. Visit www.ferwoodgroup.com



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SPACEPLUG'S CLEVER FITTINGS GOING FROM STRENGTH TO STRENGTH

SPACE-Plug has gone from a former fitter's brainchild to sales in excess of 3.5 million units. That former fitter is entrepreneur and managing director of Space-Plug, Cliff Petit.

'I'm over the moon! In all honesty, the concept had been in my head for such a long time, it's actually been 25 years in the making, but it's now well and truly made!' says Cliff.

Space-Plug's approach might be unusual in the modern world, but it seems that the old-school business plan of not spending it until you have made it is paying off for the company.

This year the company is set to break out of the cottage industry-style of business and it is looking to gear up in earnest with plans for major investment directly from company funds.

'Taking a bit of time to build a business has proven to be the right move. There is such a trend to look for the instant gratification of major investment, but avoiding that means we are now able to invest in major growth without any leverage against future profits safe in the knowledge that Space-Plug is hugely popular with an ever-growing list of delighted users,' says Cliff.

'Space-Plug hits five-star reviews across the board and the "orange doofer" fan club just keeps growing. As someone who's done the job, I know, if you're not into Space-Plug you're just missing out!'

'The company was started with just £3,000 borrowed from the bank of Dad,' says a smiling Cliff.

'This year Space-Plug is growing fast and our joint investment plan with our fantastic new manufacturer based in Sussex – Masona Plastics – is looking to top £200,000!'

'These extensive plans, as well as the new manufacturing partnership, include new commercial management input, new tooling for the Mark II plug, new automated packing machinery, new patent applications, new products, new SKUs, new territories, new markets, new distribution, new media, a new website and, of course, many new customers for this former fitter's brainchild.'

For further information visit tel Space-Plug on 07901 553290. www.space-plug.com



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REDUCING WORKPLACE EXPOSURE TO FORMALDEHYDE



FORMACARE, the formaldehyde sector group of the European Chemical Industry Council has announced strong progress against voluntary targets to reduce workplace exposure to formaldehyde emissions across Europe.

The first full results from the Formacare Voluntary Agreement show that:

. 99.7 per cent of workers are not exposed to levels beyond target occupational exposure (OELs) of 0.3 particles per million (pp),

. 58 per cent of the 7,405 workers monitored are not exposed at all.

. 29 companies representing the vast majority of the formaldehyde produced in the EU have reported OEL values under the Voluntary Agreement.

. Formacare is actively working with its members to exchange best practice and ensure even higher compliance with targets in time for the first anniversary of the agreement in 2020.

‘Overall, the results show what can be achieved through dialogue, collaboration and commitment to a common goal.

However, one worker exposed to higher levels is one worker too many,’ says chairman of Formacare, Eric Johansson.

‘The highest standards in workplace safety are the foundation of a thriving industrial sector in Europe,’ he adds.

The Voluntary Agreement was signed by the Formacare members in May 2019 – building on collaboration with trade unions and employers’ groups at European Union (EU) to jointly advocate for binding OEL values of 0.3 particles/million (ppm) under the third revision of the EU Carcinogens and Mutagens Directive (CDM3).

The agreement was put in place to voluntarily speed up the application of these measures two years ahead of the transposition of the CDM3.

Building on the learnings to date from its Voluntary Agreement, Formacare is continuing discussions with trade union partners on how the initiative can be extended to downstream users and ensure the same level of protection across the whole value chain of formaldehyde using industries.

For further information tel
00 32 2436 9451.
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Castle Pocket Routers from ATA Engineering



New Improved Model TSM22 Pocket Router

Model TSM22, the most popular Pocket Router in the Castle range has been re-designed with a new lift up table top to provide the following features:

- Easier and quicker access when replacing the router cutter, drill and other parts during routine servicing and repair.
- Additional safety feature which automatically disconnects the electrical supply to the Bosch motors.

This long established and widely used model continues to provide the quickest and strongest method for kitchen and bedroom carcass manufacture, retail display stands and other interior fitting applications.

Call us today to arrange a demonstration.



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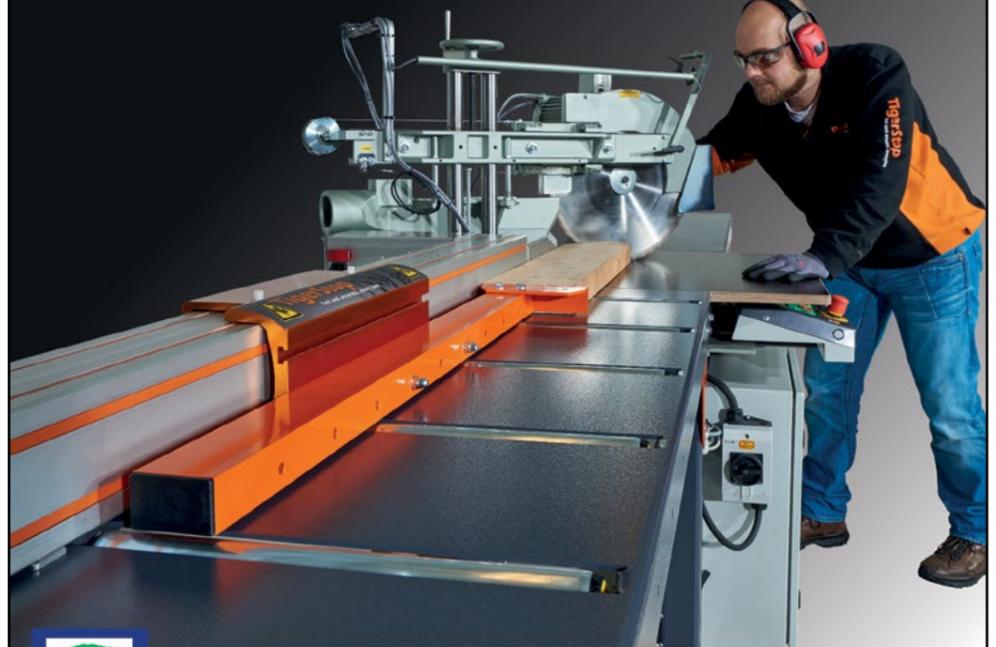
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NEW RHINO INTRODUCED BY REHOMY



A RECENT addition to the range offered by Rehomy (the Netherlands) is the Rhino horizontal bandsaw.

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

Thanks to their flexible design, the latest generation of the Rhino thin cutting bandsaws offer customers amazing performance.

No matter whether you are cutting timber, such as oak in either wet, or dry conditions, or you have the need for a single cut, or three cuts – Rhino machines can do everything you want.

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

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

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



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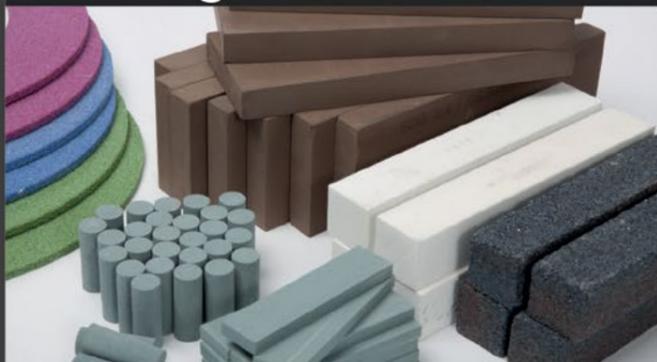
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TEAM SCHELLING

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At Schelling UK the team is committed to the customer, which includes a team of service technicians and salesmen, who are responsible for the smooth running of the initial machine purchase and subsequent after care.

Schelling UK houses an extensive range of spare parts available for same, or next day delivery.

Schelling also offers a 24-hour hotline to ensure that customers receive the optimum attention at all times.

Managing director, Markus Freuis heads the UK subsidiary with over two decades of experience.

The requirements for board-shaped wooden materials, plastic, non-ferrous and ferrous metals are essentially different.

Schelling has successfully developed a common denominator for processing all of these materials: cut-to-size saw technology.

Its advantages can be used differently for every material. Highly precise and highly productive results are ensured.

Integrated and chained within the production environment, Schelling offers its specialised cut-to-size and precision saws as plant solutions, including peripheral solutions, especially the area storage system, as well as sorting and stacking plants for a variety of materials and applications.

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FAMILY FIRM WITH A THOUGHTFUL DESIGN APPROACH RELIES ON GERMAN MACHINERY SPECIALIST, MARTIN.

WOOLLARDS of Mildenhall is a company specialising in creating customised design solutions for the home, especially bespoke designer kitchens, bedroom furniture (including fitted & sliding wardrobes), study furniture and bathrooms all expertly crafted.

Woollards was established in 1947 and is a family run business, priding itself in caring for its customer's individual needs – the company's aim being to provide absolute satisfaction with a customer experience which is claimed to be second to none.

Woollards reckons to use a far more thoughtful design approach compared to other furniture manufacturers.

The company's simple philosophy is that it has no "salesmen" and that its customers are their own "salesmen", choosing from one or more of the company's highly experienced, expert designers rather than consulting with sales staff.

As the result of over 70 years experience in design, product selection and taking care of its clients, Woollards has recently developed a fresh, more thoughtful approach towards transforming individual living spaces with the best, most innovative design solutions imaginable, delivered on time and within budget.

Those who are searching for quality products and first class service combined with value for money will not be disappointed with a visit to the company's showrooms in Mildenhall near Bury St Edmunds.

The company's main workshops are also situated in Mildenhall and one of the latest machines to be installed is the T75 sliding table saw supplied by the renowned German woodworking machinery manufacturer, Martin.

Woollards of Mildenhall operates a T75 sliding table saw, which is largely used for panel processing purposes. It is primarily used for processing Egger board and Mistral solid surfaces.

In the T75 Martin claims to have re-defined the premium compact class of sliding table saw, having combined traditional operation with state-of-the-art electronic support.

Ian Woollard is one of three brothers who are joint owners of the company. He describes the Martin T75 as "a remarkable piece of machine engineering producing the most precise and



accurate end results we could possibly wish for".

In the T75 Martin has combined a cutting height of more than 200mm, with a swivelling range of 2 x 46 deg.

The patented three-axis system from Martin ensures maximum comfort and pinpoint accuracy, owing to its complete integration in the controller.

The three-axes – scoring height, scoring position and scoring width – are positioned with electronic monitoring without further intervention.

A quick-clamping holder enables the scoring saw package to be completely removed in next to no time, eg if saw blades of more than 400mm in diameter are required.

This means that waiting times for resetting are a thing of the past and no delicate parking operations are required.

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

Martin invented the mitre cross-cut table more than 50 years

ago to enable operators to make precise angle cuts on larger panels. This popular accessory has been steadily improved and optimised over the years.

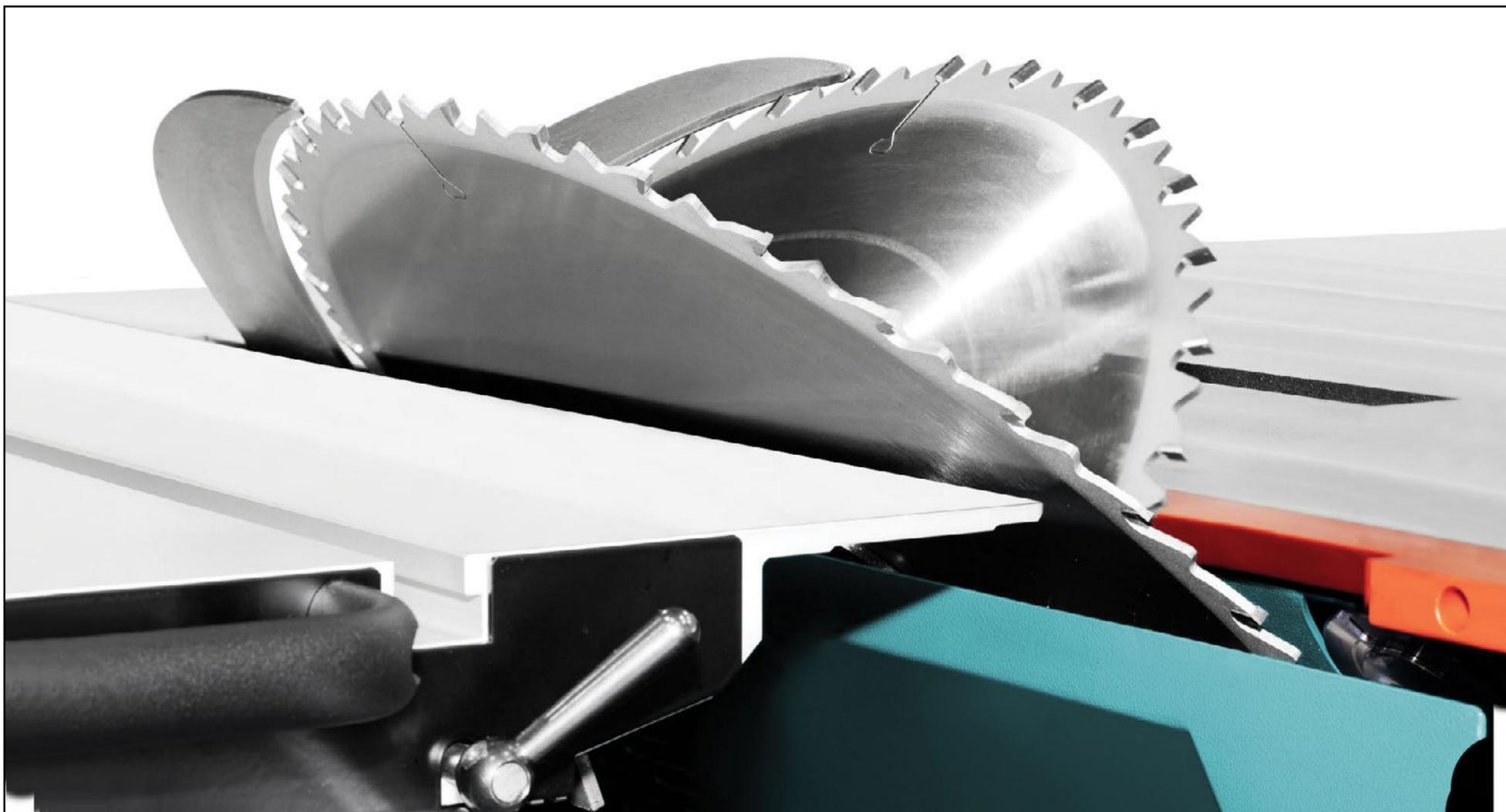
Whereas a scale was all that was required to set mitre cuts back in the late 1950s, the latest tables include a modern digital angle display and a fine angle adjustment facility.

The fence can be adjusted on 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 clients, such as Woollards of Mildenhall, who need to use a sliding table saw opt for the sturdiness, functionality and precision of this impressive range of sliding table saws.

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

Thanks to this wireless-supported communication of the



AUSTRIAN, DUTCH, GERMAN & SWISS MANUFACTURED MACHINERY

cross-cut table, controller and stop elements, time-consuming set-up times for mitre cuts are reduced by up to 80 per cent.

The operator simply sets the table to the desired angle and the electronic cutting length displays on the cross-cut 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, the operator achieves a precision cut with an accuracy of a tenth of a millimeter on the left hand side of the saw blade – irrespective of the type of saw blade being used for cutting purposes.

When there is a preference for working with

digitally exact dimensions, the digital cross-cut 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 a tenth of a millimeter.

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

Like the analogue version, the digital version is also available as a flip stop with full-length support.

Lengthy, narrow workpieces are best cut with the appropriate support. The foldable front support table helps to guide the workpiece safely on the circular saw fence, thus helping to ensure the well-being of anyone using this German manufactured machine.

For further information tel Martin on 00 49 8332 9110. Visit www.martin.info



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MARTIN MACHINERY SETTING STANDARDS AT SMALLBONE

SMALLBONE of Devizes is a leading interior designer specialising in hand-crafted custom-made kitchens and other domestic furniture.

It is a global purveyor of bespoke fitted cabinetry from the rich tradition of British craftsmanship. For decades now its craftsmen have developed a deeply diverse portfolio of immaculately executed individually designed custom-made furniture – with a special emphasis on the kitchen.

The company brands itself as “A 21st century leader in hand-made British furniture design, keeping its artisanal roots in plain sight”.

Deeply rooted in the craft, Smallbone’s joiners execute a great deal of their work by hand, turning out precision-made designs that, subsequently, migrate around the world.

Smallbone kitchens find their way into the finest properties around the world, They are all produced in the company’s workshop in Devizes.

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

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

The operator simply sets the table to the desired angle and the electronic cutting length displays on the cross-cut fence immediately show the correct length dimension.

Compared with other systems on the market, “RadioCompens” compensates for a variety of saw blades thicknesses automatically.

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

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

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

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

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

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

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

The length compensation is provided dynamically for cutting lengths up to 3,300mm, whilst the operator adjusts the table. In this way the Martin T70 becomes a real angle-cutting centre.

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

It provides the company with perfect planning results and it is impressively silent in operation. Ideally suited for modern production methods, it supplies cleanly planed wooden surfaces. It is quick and easy to operate and for those companies which are on a limited

budget, it offers excellent value for money.

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

Short workpieces do not fall on to the floor and longer ones are supported at the out-feed side. The table extension always moves synchronously with the thickening table and this accessory can be retro-fitted without any problems.

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

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

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

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

Another option which Smallbone decided upon was the purchase of a Martin T54 surface planer, which was reckoned to be a perfect fit for the company’s workshop.

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

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



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



Smallbone is synonymous with meticulous and very personal service. Each commission represents a close collaboration between designer and client. Each project is allocated its own dedicated design and installation team – from initial concept through to the finished work.

“Smallbone interior spaces have increased the value of some of the world’s most desirable addresses” is the proud boast of the Wiltshire-based company.

Smallbone’s workshop in Devizes has one of the most experienced research teams in the world whose job is not only to create bespoke designs with the finest artisanal values, but also to source the tools and equipment with which to equip those workshops.

Seeking out the “best of the best”, it is no surprise that the company has repeatedly turned to German machinery manufacturer, Martin for the purchase of equipment, including a sliding table saw, a planer/thicknesser and a surface planer.

Martin’s T70 sliding table saw is a classic machine, which has set standards and boasts maximum performance combined with a sturdy mechanical design.

Martin invented the mitre cross-cut table over 50 years ago to be able to produce precise angle cuts on larger panels. Since then, this popular accessory has been subject to continuous improvement.

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

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

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

It is therefore not without good reason that customers, such as Smallbone opt for the sturdiness, functionality and precision of this important and impressive invention.

The innovative “RadioCompens”

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



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

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

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

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

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

For further information tel Martin on 00 49 833 29110. Visit www.martin.info
Want to find out more on Smallbone?
Visit www.smallbone.co.uk

ALTENDORF WA 8 X PROVIDING PERFORMANCE YOU CAN COUNT ON



ALTENDORF'S WA8 range of panel saws offers four different models and one promise - performance you can count on!

If you're looking for a machine which is robust, ready for anything and easy to operate, you're right on target with Altendorf's four model range.

Whether you're squaring panels, or cutting complex angles and mitres, the Altendorf WA 8 is the right companion for you.

Manufactured to Altendorf's rigorous technological standards, the WA 8 entices with its solid build quality and ergonomic flexibility.

As soon as you have one, you'll wonder how you ever managed without it. That's what happens when you decide to invest in the high quality a world market leader like Altendorf can provide.

The WA8 NT is a modern classic, offering manual rise and fall adjustment of the main saw blade.

It provides accurate, clean cuts and is easy to operate, making it an ideal machine for cutting panels to precise dimensions.

The control panel is simple to use and both the rip fence and the crosscut fence are easy to set up.

The WA8 T adds a touch of class to any workshop. With its easy to operate manual tilt and height adjustment of the saw blade, even complex jobs can be cut quickly and efficiently.

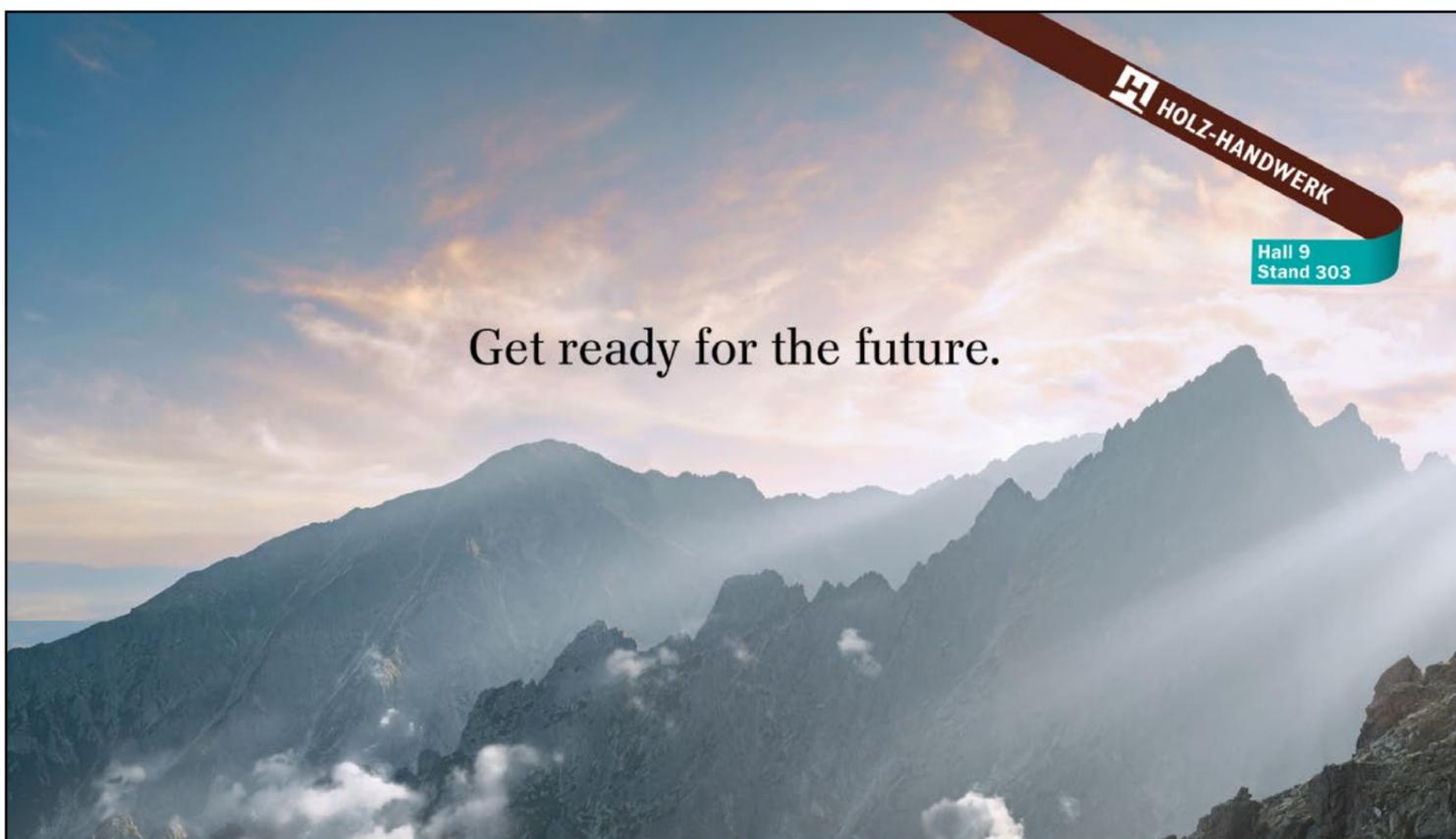
The WA8 TE offers motorised rise and fall and tilt adjustment of the saw blade, coupled with ergonomic controls. With this model, the height and angle of the blade are simply adjusted at the press of a button.

The digital display of the angle remains in your field of vision at all times during the cutting operation.

Finally, the Altendorf WA8 X with its three motorised axes can justifiably claim to be the No 1 for ease of operation and ergonomics.

The eye-level control panel can be pivoted to the most convenient position for the operator and the rip fence is completely mechanised.

For further information tel
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HOFFMANN INSTALLS MU-3 MACHINE AT SPECIALIST TRAINING PROVIDER, DIDAC

DIDAC Ltd has operated as a specialist training provider to the furniture and woodworking industry for 21 years, providing bespoke training programmes which meet business needs.

Whilst delivering national programmes, the specialist

Woodwise Academy in Bristol provides industrial standard training on equipment to school pupils. Pupils of 16-19 years who choose not to stay at school, follow a 12-month programme to enable them to become skilled and work ready for the wood sector and furniture and wood machining apprentices.

In order to ensure that pupils are taught on equipment found in industry, the Didac team spoke to John Galvin of Hoffmann at the W Exhibition in October with the view of understanding the use of the Hoffmann MU3 dovetail key machine.

After a thorough demonstration by John, it was decided to obtain the Hoffmann MU3.

The installation and training was carried out in the academy by John to three members of staff. They included Bristol Woodwise Academy workshop manager, Shane Stenning.

'It is important that, as a specialist Sprovider, we keep up to date with all the latest developments and that we teach trainees and apprentices on equipment that is being used in industry. This will allow us to bring new concepts and ideas into the

apprentice projects,' says workshop manager, Shane Stenning.

'The machine is simple to use and results in great, alternative forms of joints. The training provided by John was excellent, going through all the key points and giving us an insight to the potential of this great piece of machinery,' adds Shane Stenning.



For further information on Hoffmann tel the company on 01524 841500. Visit www.hoffmann-uk.com or www.hoffmann-schwalbe.de
For further information on Didac tel 0800 773 4230. Visit www.didac.co.uk



ALTENDORF RECEIVES OWL AWARD FOR HAND GUARD

THE new Altendorf development "Hand Guard" has been recognised as a pioneering worker-safety solution for sliding table saws.

Minden-based Altendorf GmbH won over a 12-member jury with its novel safety system for sliding table saws in the category "Industry and Crafts". This is an important area of development, as a workers' hands are only a few centimetres away from the high-speed rotating saw blade when they guide workpieces during sawing operations.

Every day around the world, work-related accidents occur when various materials are cut using sliding table saws. For the most part, commonly known protection systems use technology that relies on the conductivity of skin to detect a hazardous situation and to then pulsate the saw blade to a stop.

The problem with this approach is that all existing solutions require that contact between the saw blade and hand takes place for the safety system to kick in. In some systems, the machine's internal components are damaged to prevent the continuation of work after the incident.

Early hazard detection is critical

Altendorf's system relies on the ability to detect the hazard at a very early stage. Various defined situations are optically detected and classified. For this, two cameras collect data, which is then processed by a powerful hand-detection programme.

When the system identifies a dangerous situation, the hazard is eliminated. Within a quarter of a second the whole saw unit quickly slows down and the saw blade abruptly stops.

After the safety assistant has been activated, the machine can immediately go back to work.

No damage to the machine, or saw blade occurs and the productivity of operations remains intact.

'We've always been uneasy about the fact that existing systems only ever kick in after the accident has happened,' says head of development at the Altendorf Group, Karl-Friedrich Schröder, explaining the motivation for the ground-breaking development.

'In addition, they cause damage to parts of the machine as well. We wanted the machine to act sooner, first and foremost to prevent accidents – that is, to protect the operator.

'So we developed a system that gains us valuable time, as well as one that enables us to disable the danger before contact even happens,' adds Friedrich Schröder.

Honoured for innovation power

As jury spokesperson, general manager of the Chamber of Commerce of East Westphalia, Bielefeld, Thomas Niehoff outlined the jury's reasons for their award decision during a ceremony held in January.



In his remarks, Thomas Niehoff highlighted the innovation power of the machine manufacturer's long-term development work:

'In the view of the jury, Altendorf's many years of development work has successfully produced the next level of innovation in table saw safety,' said Thomas Niehoff.

'This will lead to setting new standards that will improve requirements for worker safety in the woodworking industry and the trades worldwide.

'At the same time, the company is effectively positioning itself in global competition. With its safety system, Altendorf will significantly boost sales and safeguard jobs,' he concluded

Stiff competition for the 13th OWL innovation award

The OWL innovation award recognises companies for their innovative products, services and processes and is an important business award with strong participation.

A total of 85 companies with 91 innovations submitted applications to the 13th award competition.

Following an intensive evaluation process, the jury selected five award recipients from the outstanding field of participants.

In their selection, the jury primarily focused on the criteria novelty and uniqueness, customer benefit and added value in comparison with similar solutions, market success, or market potential and the innovation's impact on the company's future viability.

For further information tel Altendorf on 00 49 571 9550 131. Visit www.altendorf.com

SUPPLYING PAINT TO THE JOINERY SECTOR

ANKER Stuy is a market leading Dutch paint supplier to the joinery sector. The company's strength is that it offers a range of products which are tailored to the needs of individual customers irrespective of the size of their operation.

Typical users range from small joinery outlets producing 10 windows/week, right up to larger companies manufacturing 1,000 windows/week.

Anker Stuy has the knowledge, technical support and products to fulfil each operation and production process.

Anker Stuy's unique TRICRYL® water-borne coating technology is ideal for external joinery applications.

It offers proven long-term durability and is easy to apply and quick drying (a complete paint system can be

applied in just one day).

This product offers exceptional UV-protection by utilising the highest UV absorbers and also offers unique colour pigment quality, (the colour red will remain red for many years).

In addition, a care and maintenance program is available that can be linked to the long-term guarantees offered by the Dutch company.

Anker Stuy is an Accoya system supplier and is KOMO certified and tested by the SHR wood-testing institute in the Netherlands.

The unique product properties are combined with very experienced technical support.

UK general manager, David Christie has many years of experience in this

industry and can support joinery companies on request.

With UK warehousing facilities in Peterborough, Anker Stuy is able to offer a next day delivery service and to perform colour matching, using the latest spectrometers and tinting equipment.

The Anker Stuy company is a third generation family company with a no-nonsense approach and short lines of communication, attaching great value to working in partnership with customers in the best possible way, offering efficient service and high quality products.

The company's products are also available from Anker Stuy's distributor partner, Mighton Products which also offers a next day delivery service, along with a colour matching service.

For further information tel Anker Stuy on 01733 215444. Visit www.ankerstuy.nl/en



LAMONT HELPING TO SOLVE A GREAT MANY PROBLEMS

GIBSON'S Cabinet Makers offers quality hand-made kitchens, bathrooms, dining rooms, bedrooms and free-standing furniture.

Based on the southern fringe of Whitby, the company serves a wide area, including Durham, Cheshire and Lincolnshire, as well as Teesside and the whole of Yorkshire.

With four or more major commissions on the go at any one time, Gibson's Cabinet Makers has seen its workforce double in recent years.

Part of this success is due to the Woodwelder and clamp system purchased from Lamont.

'We were becoming busier and busier, as the popularity of our furniture increased,' says partner, Roy Gibson.

'In order to cope with the demand, we were having to look at alternative ways of gluing up doors and drawers.

'Traditionally we were doing it with sash clamps, which is quite time consuming and you also have to always be checking that the work piece is square. Then there is the gluing up process, which could take several hours.

'Once you had used all your clamps, you would have to wait for one batch to dry before going on to the next. So we could only do 20 drawers, or doors in one batch.

'With the Lamont system, it has a square corner and glue resistant plastic sheath to it, so glue does not stick to it.

'You put your drawer, or door in and clamp it down: it pushes it into the square corner - so everything is absolutely square.

'You also get the (Woodwelder) glue gun, which heats up the RF glue in about 15 seconds, so you can do a corner with one zap, which speeds things up tremendously. Indeed, with the glue and the gun working together, you can finish a door in a minute.

'The Lamont system has become part of a production line, which allows us to have door components coming out of the machines, go straight to the Lamont system, after which the doors are sanded, before going on to be hinged and fitted.

'It is incredible to think back how we were working with sash clamps before we acquired the Lamont system. It is massively

beneficial to us. We had seen one of Alan Lamont's displays at a JMJ woodworking exhibition, which we visited when we were looking into ways of increasing production. He was on the stand.

'We spoke with him and saw demonstrations and said we were very interested, went away to think about it, decided the amount of time it was going to save us would be very cost effective and purchased one.

'Before the show we were aware there were things of this nature, but really needed to see one and have it explained to us to understand the benefits, so the exhibition helped us in this respect.

'We primarily use the Lamont system for doors and drawers. It can also be used for frames. These are all our main components that we use to manufacture hand-made kitchens and made-to-order furniture.

'As well as savings in time and in ensuring that the work is square, it allows us to use staff effectively. Instead of having two people using the sash clamps, we now can have one guy putting units together, while his colleague is gluing up. This means that we can meet deadlines more quickly and increase turnover.

'It also saves space. With sash clamps, you end up with a great area of your floor covered in clamps and doors, all piled up on top of one another.

'The Lamont system is vertical, so it does not take up a great deal of space and, as the doors come off dry, they can be stacked vertically.

'One of the other nice bits about it is that you get different shapes and different sized face plates for the gun, which allows you to zap a drawer from inside, for example a 45 deg corner, as well as flat plates for a flat surface. You can utilise the machine in all sorts of gluing up procedures to solve a great many problems.

'I would absolutely recommend it to other people. I can't believe we coped so long without one, concludes Roy, adding that he would recommend the system to anyone.

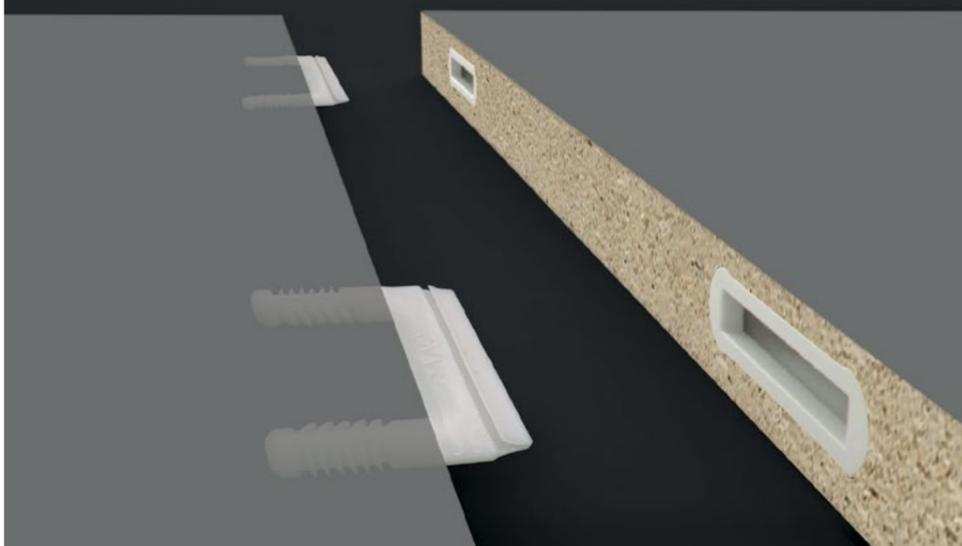


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EXTRACTION SOLUTIONS GOES BACK TO THE CLASSROOM

BRUNEL Construction Centre in Huddersfield, part of Kirklees College, specialises in construction-based courses, such as plumbing, bricklaying, carpentry and joinery.

Kirklees College's woodworking department inherited an impressive array of industrial machinery from the previous tenants and has since invested heavily, installing new woodworking equipment, including spindle moulders, planers and a state-of-the-art five-head moulder.

In order to further improve the facility, Extraction Solutions was invited to survey the workshop, with the intention of replacing its aging extraction unit with a new, energy-efficient, ATEX-compliant installation.

The existing system was installed before the ATEX regulations came into Law in 2003 and the duct system has since been heavily modified, resulting in low efficiency and reduced dust capture.

'After a discussion with Daniel and Peter from Kirklees College, it was clear that only a percentage of the machines would operate at any one time, with students intermittently using machines throughout their projects,' explains ESL's design engineer, James Parkes.

'By correctly sizing the duct system it enables us to use dampers to select between two or more machines, which has the added benefit of reducing the plant size.'

'We coupled the fan with a smart inverter, which constantly optimises the fan speed depending on the required duty,' adds Mr Parkes.

During normal operation this could save the college over 7kW/hr, greatly reducing running costs and offering flexibility throughout the system.

Extraction Solutions aimed to keep the system as simple as possible to prevent any potential disruption to students' education and opted to install a modern NFPZ3000 3HJ filter unit complete with reverse air regeneration fans for cleaning the patented anti-static superbags.

This type of filter delivers extracted waste directly into bins, which is then collected by local farmers and equestrians for use as animal bedding.

Both filter and fan comply with current ATEX regulations, with the filter utilising explosion relief doors to safely vent any flame or pressure wave.

The fan includes both temperature

and vibration sensing to reduce any potential risk by shutting down the fan before it reaches the ignition temperature.

Kirklees College spared no expense in protecting students, opting to include a CARZ isolation back-flap, which is an ATEX recommendation always offered by ESL.

This device prevents pressure and flame travelling back upstream through the ductwork into the workshop, protecting students and staff in the unlikely event of an explosion in the filter.

Integrating the new system into the workshop came with certain challenges. With a ceiling height of only a few metres and 20 machines to connect, the main duct routes needed to be designed without being overbearing, or intrusive.

'This had to be undertaken carefully so as not to create an oppressive appearance in the workshop, so we opted to split down main ducts to serve only a few machines each. Our excellent team of installation engineers ensured that ducts were installed as close to the ceiling as possible,' says James.

'Extraction Solutions recently completed the installation of a replacement wood extraction plant at our Brunel Construction Centre in Huddersfield. From start to finish, the project was designed, installed and commissioned seamlessly, to budget and on programme. The systems represented good value for money, with the tender being the lowest of the three prices returned,' says head of estates and facilities, Daniel Bedford.

'The design of the new dust extraction plant has created additional space externally, whilst the operating noise levels and energy consumption are significantly lower than the

previous dust extraction plant. The Extraction Solutions team, both on-site and in the initial stages of the project, were professional and informative. I would recommend Extraction Solutions for any manner of similar projects,' concludes Mr Bedford.

For further information tel Extraction Solutions on 01909 772969. Visit www.extraction-solutions.co.uk



FERCELL PROVIDES COMPREHENSIVE VENTILATION

AS PART of continued expansion, driven by strong sales, CNC machinery specialist, CNC World needed to develop the company's demonstration area. CNC World provides CNC routers, plasmas, water-jet cutters and lasers.

As the enlarged demonstration fleet required effective extraction and material control, CNC World approached Fercell to define the ideal ventilation solution to suit the needs of the new demonstration area.

Fercell's brief was to provide comprehensive ventilation systems for the router, plasma and laser cutters, at the same time ensuring optimum extraction, when demonstrating the CNC equipment, with various materials.

CNC router ventilation

Acting as a stand-alone product, a CNC cutter will create a great deal of fine dust, which may not be immediately visible. However, in order to comply with safety standards, this must be controlled and removed.

By installing the correct ventilation system, companies can take control of hazardous materials and issues that could develop from working in an environment with concentrations of dust and fumes.

For the dust side one of Fercell's UF dust extraction unit was a perfect solution; its large collection capacity and generous filter make it an adaptable and economical solution.

Great for commercial applications, its increased filtration capacity for high concentrations of dust suited the brief.

Any waste material discharged directly into dust collection sacks can be easily released and locked back into place, ensuring minimum downtime.

Joining forces

Furthermore, this has led to a partnership between CNC

World and Fercell to offer the ventilation equipment as a package option, delivering the customer the complete concept from one place.

Along, with the work on their demonstration area, Fercell has already successfully installed one of its F-Series ventilation system for a CNC World customer.

The F-Series is a popular choice for operations which need to extract dust and vapour at the source, as the compact design of the series is ideal for smaller operations.

Creating value from waste

Although, the conversation was concentrated around the ventilation for the CNC demonstration area, it soon became clear to CNC World that they could provide their clients and would-be customers with an even better product offering.

Fercell operates two divisions, one specialising in ventilation systems and the other in recycling solutions. The two often go hand in hand, as is the case with CNC World, where Fercell was able to offer a complete suite of products to achieve circular manufacturing, including waste wood shredding, briquette press and biomass heater.

Key components for the solution consisted of a Weima Ultra 60 shredder, WEIMA C140 briquette press and an efficient CS-200 wood-burning space heater.

The use of CNC machinery will often result in wood waste from offcuts. Over time this can add up and cause excess wood waste. Disposal of wood can become costly, whilst there is an initial investment cost to briquette production, it delivers a number of long-term

benefits.. You have the option to use the briquettes to reduce your heating costs or they can be sold on to create extra revenue.

It's a Process

Fercell's service does not stop upon the delivery the company's complete service package includes supply, installation, training, servicing and LEV testing.

Fercell has been successfully delivering complete industrial recycling and size reduction systems and industrial ventilation equipment for nearly 5 years.



For further information tel Fercell on 01622 791414. Visit www.fercell.com

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

Email us at: bill.willowe@gmail.com

A FUTURE-PROOF DUST EXTRACTION SOLUTION

IRISH KBB MANUFACTURER CALLS ON MODESTA TO HELP OUT WITH A “PROPER” DUST EXTRACTION SYSTEM AND DULY SORTED THEM OUT WITHIN A MATTER OF WEEKS

SEEING Cherrymore's state-of-the-art premises at the headquarters in Donegal Town in Eire it's hard to imagine how Martin and Harry McLaughlin started out 23 years ago, from the garage at their home.

'We were both young and enthusiastic and saw a niche in the market,' says Martin.

The brothers had to borrow money to be able to buy their first machines, but soon their business started to grow steadily. After less than two years, they hired their first employee, who still works for Cherrymore today.

Cherrymore is a big player in the Irish kitchen and bedroom market, both for consumers and wholesale companies.

Production manager, Martin McLaughlin was looking for a proper dust extraction solution for the company's recently expanded warehouse in Donegal Town.

After meeting Modesta at the end of 2018, the new filter system was up and running by March 2019.

The company now operates from two warehouses, in Donegal Town and Ballybofey, alongside five different consumer showrooms in the area.

Thanks to Cherrymore's focus on both the trade and retail machine, the company can cater for any kind of customer – from a family wishing to purchase a new kitchen to a residential development project of 500 kitchens.

The brothers still lead the company together, Martin as its production manager and Harry as its commercial manager.

The bigger the factory, the more dust and waste is released on a daily basis and the more important it is to have a great dust extraction solution in place.

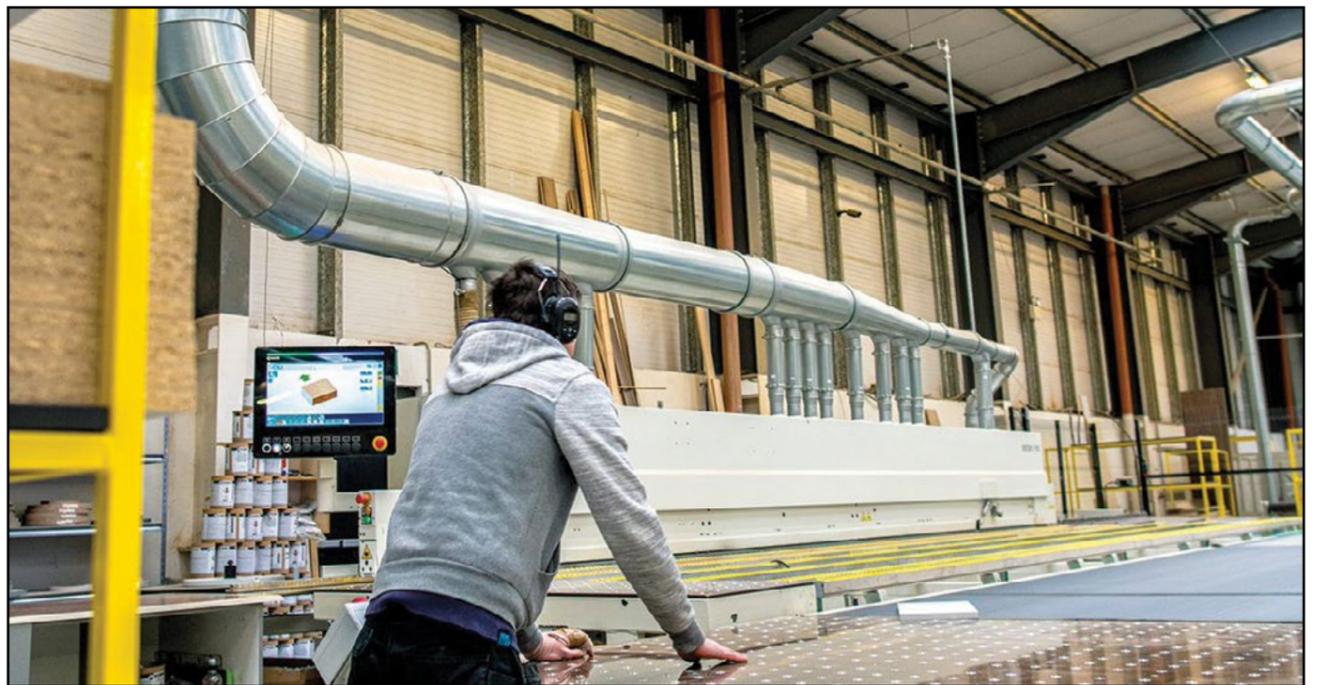
'A big part of my job is monitoring extraction, taking care of our company's waste,' says Martin.

'We have a lot of saw dust. That wasn't much of a problem when we were still operating from our garage, but when you get to a certain level and size, waste becomes a real problem if it's not managed properly,' says Martin.

Before coming into contact with Modesta, Cherrymore was using a filter system that included many add-ons that were put in place over time.

'The biggest problems were the unreliable motors, which had to be changed quite frequently,' explains Martin.

He was ready for something new that solved his waste problem in a more efficient way.



That's when he heard about Modesta. The first time representatives of the two companies had a chat was during the W18.

'I saw many different dust extraction solutions at the fair, but none of them really appealed to me,' says Martin.

However, his first impression of Modesta was positive.

'The various solutions were explained to us in depth and it seemed like the right fit for our factory,' says Martin.

He also received a recommendation from Trade Mouldings.

'In our industry, word of mouth is very important,' explains Martin.

Although a personal recommendation can be very convincing, this was not the only reason Martin opted for a Modesta solution.

The company's previous system was having problems with its motors, which had to be changed regularly, because they were on the dirty side of the filter.

In Modesta's systems, the motors are placed on the clean side, which results in fewer motor problems.

On top of that, Martin appreciated the environmentally-conscious way Modesta deals with heat disposal: they recover the heat created during production and use it to warm the factory.

By March 2019, the complete filter installation was put to use in Cherrymore's warehouse.

The factory didn't suffer any downtime because most of the installation was undertaken over the week-ends and during bank holidays. In addition, the old systems were moved outside, so that they could keep on running.

A small hiccup in the CNC ducting due to a miscalculation was dealt with fast and appropriately.

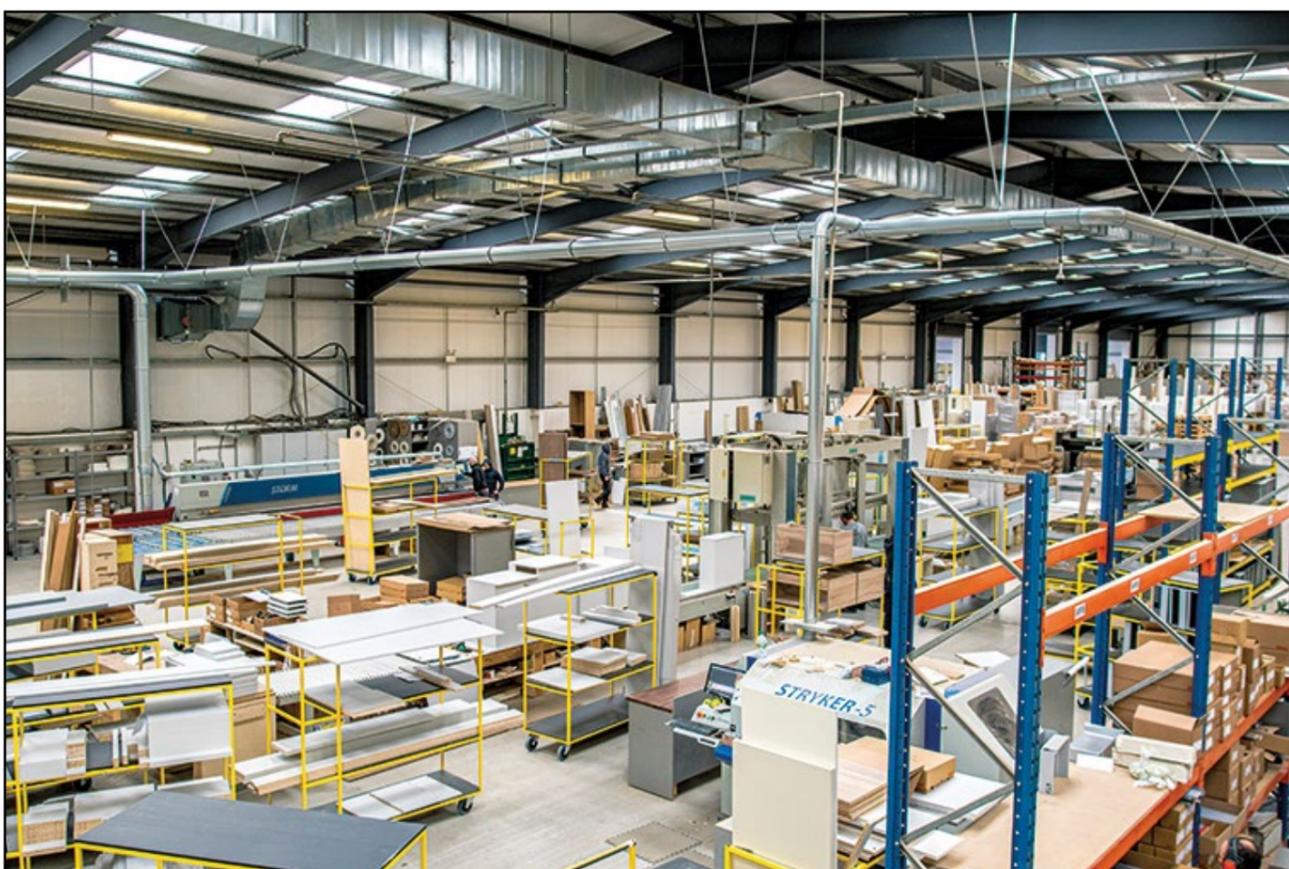
'It was brought to our attention in a constructive way and there was no finger pointing. Instead the focus was on how we could solve this as soon as possible and the problem was resolved over a weekend,' says Martin.

Cherrymore's factory went from a 60,000m³ filter installation with low pressure that was operating at a low speed, to a 100,000m³ installation with 150kWh installed dust extraction power with better pressure and speed.

The system currently has only half of its vans operating, making it highly energy efficient.

'With this filter system, we have the possibility to expand in the future and still be able to keep our factory dust free in an efficient way,' concludes Martin.

For further information tel Modesta on 00 31 341 371 010.
Visit www.modestafilts.com



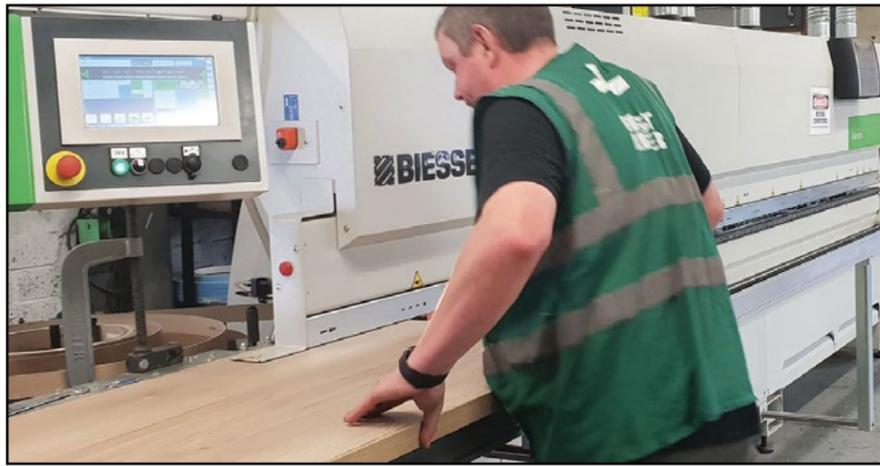
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F G PARKER'S STATE-OF-THE-ART OPERATION OFFERS EDGING, WRAPPING CUTTING & DRILLING FACILITIES

BEGINNING as a supplier of components for temporary structures to the armed forces in the 1950s, F G Parker's state-of-the-art facility provides edging, wrapping, cutting and drilling facilities, providing the flexibility and service standards required by customers all over the country.

Formed by George Parker in 1950, F G Parker & Co Ltd quickly became a leading component provider for temporary structures required by the armed forces.



Continued investment in manufacturing equipment enabled the company to diversify its production capabilities to include custom-cutting and preparation of sheet materials for customers in the furniture and construction industries.

As a family business with third generation, Rob Parker now managing the operation, F G Parker's business successfully diversified into furniture manufacturing in the early 1980s, providing products and services to help manufacturers find greater productivity in their businesses.

The Dorset firm has continued to develop within the industry supplying a full range of furniture components, mouldings, wrapped profiles, kitchen carcasses and cabinets, cutting, edging and CNC machining services to its clients.

In order to provide the flexibility and service standards required by today's customers across the country, F G Parker's impressive 20,000ft² production plant is home to highly advanced CNC routing equipment, the very latest CAD/CAM capabilities and high performance edging, wrapping, cutting and drilling facilities.

Drilling rails

F G Parker's specialist drilling and boring machines enable the company to offer various holes drilled to any area of any-sized cross ties, post, mullion, front rail and back rail.

Additionally, it is able to drill longer-sized rails up to 3m in length and its rail drilling department is able to cope with high volume orders, as well as small batches.

'As standard, we produce many colours to get the perfect posts for the kitchen design. We hold in stock 36mm x 36mm and 60mm x 36mm, but we can make to any specification,' says Rob Parker.

'We can add drilling and/or we can cut the lengths down to fit any carcass size required – or just supply long lengths.

'Customers can also save time on their edge lines and get us to wrap small rails. We can even cut and drill them to customers' drawings, which will save significant man hours,' adds Mr Parker.

Wrapped profiles

Wrapped profiles are typically used for cornice, pelmets, skirting boards, picture frames and small rails for kitchen and bathroom cabinets and drawer wraps.

'We can wrap many MDF and chipboard products in a variety of shapes and sizes,' explains Rob.

'This process means that we can supply a post, rail and/or cornice to match any style.

'Additionally, the product can be wrapped all the way round, giving a very tidy look to any cabinet whilst, at the same time, reducing costs,' says Mr Parker.

F G Parker operates multiple PUR glue lines for a high-quality, cost-effective product.

The benefit of using PUR glue on wrapped products is that it provides a high strength bond, moisture resistance and reduces the danger of humidity interlacing.

This process increases the standard life-span of all its products compared to those manufactured with other glue types.

'We have a large range of foils available to us from PVC and paper coloured-matched to real wood veneered foils. Working with our foil suppliers, we can match many colours, including plain, high gloss and woodgrains. Regardless of small, or large order quantities we will be happy to assist with customers' enquiries,' says Rob.

Edging

'With direct trade accounts with Egger and Kronospan, we are able to source a wide range of décors and matching edging to fulfil customers' particular specifications, meeting any size and quantity required.

'All our edging is adhered using PUR glue, the benefits of which are that it provides a high strength bond and moisture resistance.

'Additionally this type of glue offers a minimal glue line between the MFC and edging, but ensures that the product can withstand the rigours of heat and moisture over a long period of time,' points out Rob.

'We have a large range of edgings available to us from ABS to real wood veneers. Working alongside our suppliers, we can match most colours and finishes including matt, high gloss and woodgrains,' says Rob.

Regardless of small, or large order quantities, F G Parker is able to assist with customers' varying requirements.

Panel cutting

'We are specialists in cutting MFC and chipboard/MDF raw boards,' says Rob. 'On our high-speed automatic beam saws and automatic crosscut saws, we are able to meet the vast majority of customers' requirements.

'We use the latest in optimisation software to minimise waste and optimise cutting lists, so that each panel can be cut accurately and efficiently.

'We can source the material and décor for you, but can also provide a cutting service for materials that you have already purchased yourself,' concludes Rob.



For further information tel F G Parker on 01308 422987. Visit www.fgparker.co.uk



MIRKA'S TOOL AND ABRASIVE SOLUTIONS FOR THE WOODWORKING INDUSTRY ON SHOW AT kbb

MIRKA UK will be focusing on innovation, versatility, ergonomics and the provision of a dust-free work environment at kbb, where it will be presenting a selection of abrasive and tools spearheaded by the new Mirka DEOS Delta.

The products on display have been designed and developed from the ground-up to offer increased productivity, efficiency and a consistent, superior finish which, in turn, enable businesses to control costs, look after the health of their workforce and ensure a high-quality end product.

The Mirka DEOS Delta's low-profile design ensures increased control of the sanding process, even during long periods of use. In addition, it incorporates a powerful brushless motor and 3mm orbit for more effective removal of stock.

When the DEOS Delta is combined with Mirka's net abrasives and a dust extraction unit, it provides a consistent scratch pattern and a dust-free work environment to work in.

Additional Mirka tools available will include the Mirka DEROS, built to deliver a rapid, efficient, consistently powerful performance even under a heavy load; the Mirka DEOS, which claimed to be the only electric orbital sander on the market that has been optimised for net abrasives by incorporating more than 45 holes in the pad and the Mirka AOS-B and AROS-B, which are the

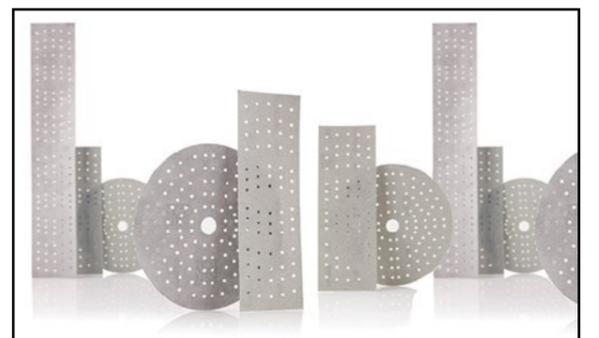
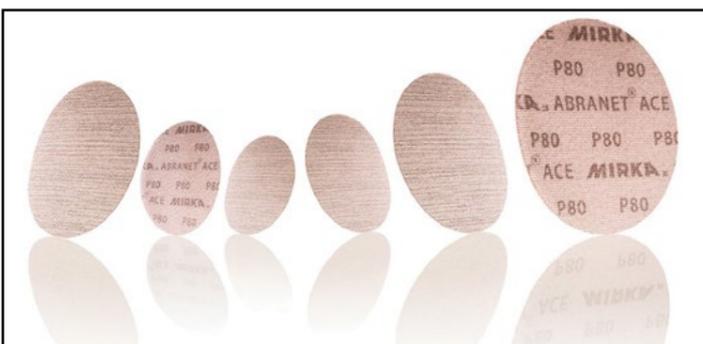
first small, brushless, cordless sanders that have both orbital and random orbital movements.

Also on show will be a comprehensive range of abrasives spearheaded by Iridium - a robust abrasive that employs a precision coating that enables it to cut faster and more efficiently while repelling the dust produced and Abranet Ace, a premium net abrasive that has been developed to increase production and speed for tougher, more demanding sanding applications in a variety of industrial sectors, whilst reducing costs.

'After the positive response to our product portfolio from visitors at the previous kbb show, we are delighted to be back this year,' says business sector manager, Chris Brook.

'As a business, we are passionate about ensuring our customers have the correct tools and abrasives to meet their constantly evolving work needs.

'The way we achieve this is simple: it is down to the relationship we have with the end users that allows us to gain insights - no matter how large, or small - that will enable us to ensure that we can provide them with the right product for the job at hand, so they can complete it with ease, while also having the ability to expand their offering,' concludes Mr Brook.



At kbb Mirka UK will focus on innovation, versatility and ergonomics

For further information tel Mirka on 01908 866100. Visit www.mirka.com

Email us at: bill.willowe@gmail.com

W20 – ALL SET FOR ANOTHER GREAT SHOW PACKED WITH INNOVATION

THE W Exhibition, the only UK trade show for the joinery and furniture industries and its components-arm, Elements, are on course to deliver a record-breaking showcase when doors open at the NEC in Birmingham next September (27-29).

The organisers have announced that over 80 per cent of space has already been sold for 2020, with a number of exciting updates planned for the biennial exhibition, which brings together some of the world's leading suppliers of woodworking machinery, materials and tooling.

Over 9000 visitors are expected to attend the September 2020 showcase, with Elements once again showcasing the very latest in finishing products for the KBB, furniture production and interior design markets.

Free to attend, The W Exhibition and Elements 2020 is the only place for carpenters, joiners, machinists and much more to see running woodwork machinery, the latest materials, components, software, tools and innovations for the woodworking sector.

Visitors can expect to see industry leading brands, such as Biesse, Felder and many more. The W Exhibition and Elements 2020 will include the launch of a new Tooling Village with the latest hand-held tools on display.

Also new for 2020 is the launch of a dedicated seminar and learning programme designed to deliver best practice tips and tackle the very latest industry themes and trends, all delivered by experts from across the field.

'We've listened to our audience and have developed the show content to meet their evolving needs,' says managing

director of Montgomery Design and Build, Nickie West.

'There really isn't any other event in the UK that you can see this much live woodworking machinery up close. Many of our exhibitors do a year's worth of business in just four days.

'We're delighted to announce that the show is already over 80 per cent sold with six months still to go until we open our doors to visitors. Our exhibitors have thrown their weight behind both The W Exhibition and Elements to help us put on a record-breaking showcase,' adds Nickie West.

Speaking about their decision to exhibit in 2020, Biesse marketing manager, Andrew Baker says:

'It was a simple decision following the success that we had at The W Exhibition 2018, which was our best ever UK show.

'It provides a great platform to meet new customers and also further engage with existing customers to demonstrate how our solutions can help them.'

'Historically this has been an extremely successful show for us, in terms of meeting both small businesses working on bespoke projects and larger companies working on more sizeable contracts,'

says marketing executive for Elements exhibitor, Crofts & Assinder, Kathryn Hall.

'It's also great for meeting current clients and reconnecting with historic ones. We have been able to obtain a large amount of new revenue as a result of the Elements exhibition,' adds Kathryn.

The W Exhibition & Elements will continue to support its official charity partner; Help For Heroes with money raised at the event going towards funding workshops and recovery centres across the UK for ex-servicemen and women.

The Exhibitor Innovation Award will also return for 2020 with the aim of highlighting some of the most exciting and innovative products being launched in the market in 2020/2021.

For further information visit www.wexhibition.co.uk



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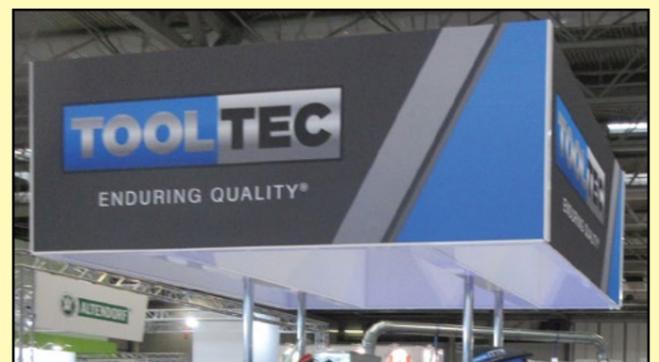
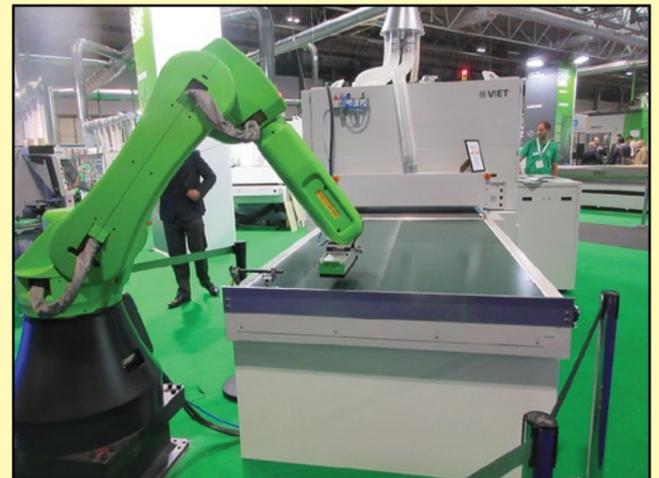
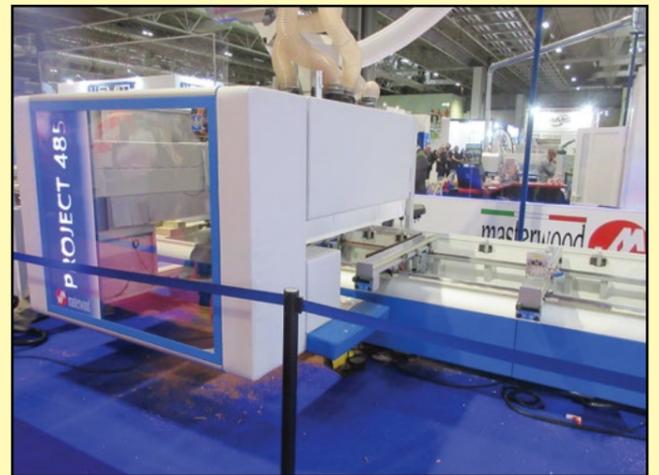
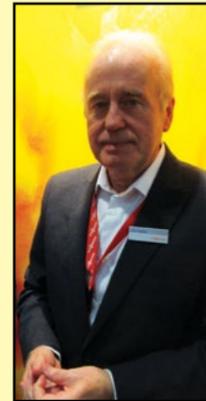
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EXHIBITORS BOOKED TO APPEAR AT W20 AND ELEMENTS AT THE NEC IN BIRMINGHAM FROM SEPTEMBER 27-30

ALL 133 OF THESE WOODWORKING SPECIALISTS ARE BOOKED TO APPEAR
AT W20 & ELEMENTS (LIST CORRECT AS AS FEBRUARY 28TH 2020)

ADPAK
AFS BIOMASS
AIR PLANTS
AIRPRESS DEVELOPMENTS
ALPI
ALTENDORF GmbH
AMICUS
AMS
ANEST IWATA (UK)
ANKERSTUY
AUTOOL
AXMINSTER TOOLS & MACHINERY
BAGPRESS
BECKER UK
BIESSE GROUP
BS & B SAFETY SYSTEMS
C L LOCK
CAD+T
CEFLA - WANDRES - MPS MACHINES LTD
CEHISA
CHARVO
CinCh SOFTWARE
CLOSE BROTHERS ASSET FINANCE
CNC SOFTWARE SOLUTIONS
COLTON TOOLING
COMBILIFT
COMPACTO
COMPASS SOFTWARE
CP TOOLING AND MACHINERY LTD
CROFTS & ASSINDER
CUTTER PROFILERS UK LTD
D & D INK SARL
DALTONS WADKIN
DF RICHARDS
DIDAC LIMITED
DOORWAY TECHNICAL CENTRE
ERA ARCHITECTURAL HARDWARE CO LTD
EUROFIT SYSTEMS LTD
FELDER GROUP UK
FEN UK
FERWOOD UNITED KINGDOM
FESTOOL
FILTERMIST SYSTEMS LTD
FILTREX, HOCKER, POLYTECHNIK, VENJAKOB
FORMED
FOSHAN AODELI (E-SHINING) METAL PRODUCTS CO LTD
FREUD S.P.A.
GIBBS SANDTECH
GIPLAST S.P.A.
GreCon
GUY-RAYMOND ENGINEERING COMPANY
HANS HUNDEGGER AG
HAPFO GH-TEC MASCHINENBAU
HEXAGON
HOFFMANN MACHINE COMPANY LTD
HOMAG UK LTD
HPC LASER
HRANIPEX
IMOS AG
INDUSTVENT
INTELLIGENT FIXINGS
INVENTAIR
ISAAC LORD LTD
J & C O'MEARA
J WAGNER GmbH
J.J. SMITH & CO
JET PRESS
JMJ
JOINERYSOFT LTD
KENYON GROUP LTD
KOCH TECHNOLOGY

KONIG
KUNDIG
LAMELLO
LEADERMAC
LEICA GEOSYSTEMS
LEITZ TOOLING UK LTD
LIGNADECOR
MACHINERY SERVICES
MAKA MACHINERY UK LTD
MASTERWOOD
MAWERA UK LTD
MERENDA
MICHAEL WEINIG UK
MIRKA
MUNDY VENEER
NEDERMAN
NORDFAB
NORDUCT
OERLIKON BALZERS COATING UK LTD
OERTLI TOOLING UK LTD
OHRA RACKING SYSTEMS
OSTERMANN UK
OTTO MARTIN MASCHINENBAU
OVVO
P&J DUST EXTRACTION LTD
PALAMATIC
PAWPRINT PUBLISHING
PIHER INDUSTRIAS PIQUERAS S.A.
POR BRIQUETTING
PORTAKAL PLASTIK
QUIN GLOBAL
R & J WOODWORKING MACHINERY
RANHEAT ENGINEERING LTD
REMMER UK LTD
RIEPE GmbH
ROBLAND NV
RUBIO MONOCOAT
RW GROUP
SAIT ABRASIVES (UK) LTD
SAMES KREMLIN
SCHELLING
SCM
SCOTT & SARGEANT WOODWORKING MACHINERY
SEMA
SEVROLL UK
SHANGHAI GRANDHU INDUSTRY DEVELOPMENT CO LTD
SIA ABRASIVES (GB) LTD
SOFIT SRL
SOLID SOLUTIONS
TEKNOS UK
TIGERSTOP
TRANSWAVE
TREND MACHINERY
TURBO VACUMENTATION LTD
TUSKBOND ADHESIVES
UV GROUP
VECOPLAN
VWM WOODWORKING MACHINERY
WENZHOU HOUHE HARDWARE PRODUCTS UK LTD
WHITEHILL SPINDLE TOOLS
WOODOLEX LTD
WOODWASTE CONTROL
WPR/TAKA



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W20 – A GLORIOUS EVENT WHICH EAGERLY AWAITS ANOTHER 9000 OR MORE VISITORS TO BIRMINGHAM

Here Industrial Woodworking & Panel Processing takes a retrospective photographic look back to 2018 when the previous bi-annual event was held.



In 2018 Ovvo – the multi-award winning, innovative tool-free assembly solutions company was one of the finalists in the Elements of Innovation Awards with its V-0930 system, which is ideally suited to high grade particle board. Will Ovvo score again at W20?

W20 and its sister show, Elements are less than six months away and yet it seems like only yesterday that we were being enthralled by everything that was on show at W18. That event is now truly over and done with having taken place just over 18 months ago, but it does not mean that woodworkers don't still have something to look forward to.

Many of those exhibitors who were in attendance at the NEC, Birmingham in 2018 will be out in force once again to showcase all the very latest in technological innovation from most of the country's leading suppliers of woodworking machinery and equipment.

W20 and Elements together comprise the only UK trade show for the joinery and furniture industries and these shows are once more are on course to deliver a record-breaking

showcase when the doors open at the NEC in Birmingham next September (27-29).

On this page we take a photographic peep back to 2018 in order to provide our readers with a foretaste of what is in store for them at this year's show.

Over 9000 visitors are expected to appear at the 2020 showcase, which is free to attend.

Make a date and be sure to be amongst those 9000 or more dedicated woodworking professionals. Quite simply there is no more important date on the UK woodworking calendar. It really is an event that anyone involved in the woodworking trade sector cannot afford to miss.

For further information visit www.wexhibition.co.uk



Reconditioned machinery specialist, Ferwood, will be returning to W20 following an extremely successful show in 2018. Featuring over 400 reconditioned machines from leading woodworking machinery manufacturers, visitors will be able to talk to Ferwood's representatives to discuss the benefits of using Ferwood's reconditioned woodworking machinery for themselves.



Visitors to the Titman stand at W20 will have the chance to view the British company's complete range of specialist tooling.



Ferrell Engineering offers a broad range of dust extraction equipment – a wide selection of which will be on display at W20.



Tigerstop is a global leader in the production of stop gauge and material positioning systems. The Dutch company will use W20 to promote its wide range of equipment for the specialist woodworking industry, including the Tigerstop automatic programmable pusher and stop.



At W18 MAKA launched new flagship models in the PM170 and PM 270 offering added value coupled with advanced performance. What will MAKA Machinery's Iain Young have "up his sleeve" to introduce at this year's show?

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Hoffmann machine Co Ltd's John Galvin will once again be on hand to demonstrate the many advantages of using his company's highly versatile double dovetail jointing system.



German woodworking machinery manufacturer, Martin's stand will once again have Michael Muhldorfer at the helm to demonstrate the superb capabilities of this renowned specialist's range of machinery and equipment aimed at customers who appreciate build quality.

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CABINET VISION OVERCOMES GRAIN MATCHING NIGHTMARE

Editing Floor Plans Slashes Programming Time for Custom Cabinet-maker



A WOODEN furniture design specialist is using Cabinet Vision to produce a high-volume of custom residential projects.

Sunrise Wood Designs uses what it describes as a “masterful combination of talent and technology” to serve the largest residential market in the United States.

Located in Dallas, Texas, the 12-year-old company serves the greater Dallas-Fort Worth area, for which it builds cabinetry for roughly one-third of all of the region’s new homes.

Two plants turn out cabinetry for about 30 houses/day — including jobs that range from modular to highly customised kitchens, bathrooms and dens.

‘We’re the largest custom residential-cabinet maker in North Texas and two things make us unique; firstly, we design, produce and install our own cabinets. Secondly, we work in both the volume home building and high-end custom home building sectors,’ says chief operating officer, Geoffrey Athey.

Sunrise Wood Designs produces about 2,000 cabinets each week, with a workforce of 300. On any given day, the company delivers products to between 130 and 150 different addresses.

About 80 per cent of the company’s work is high-volume, custom cabinetry, whilst 10 per cent is high end, or luxury cabinets, with the remaining 10 per cent being more modular.

‘Multiple floor plans for a particular sub-division may be similar, but most of what we do is custom cabinetry, because most framers don’t follow their floor plans,’ says Geoffrey Athey.

Sunrise Wood Designs transitioned to the Cabinet Vision Screen-to-Machine™ (S2M) solution in 2016, to produce its high volume of custom cabinetry.

‘We use Cabinet Vision every day and we couldn’t live without it. We rely on its design, job-planning and CNC production capabilities to manage jobs across approximately 11 different product lines,’ says vice president of design, Terry Moore.

‘The program generates drawings and cut sheets for us and, without it, we couldn’t do what we do. Every department uses it,’ adds Mr Moore.

With any Cabinet Vision project, the Sunrise design team begins each job by using the dimensions of the space in which the project will be installed and then builds the job within that virtual space.

Due to the volume of their projects, the team uses a master plan, which contains several floor plans for each sub-division.

Once the actual building site is measured, those existing floor plans are adjusted to reflect accurate dimensions.

As Cabinet Vision enables users to save processes, Terry Moore and his design team are able to edit and re-use processes saved from previous programs. This cuts programming time and is especially helpful for jobs which are similar or nearly identical.

‘Our term for saved processes is “Do Likes”, because we know that there are jobs that we can do in the same way as we’ve done previous jobs,’ says Terry Moore.

While saved processes are helpful for any kind of similar jobs, editing residential sub-division floor plans simplifies the management of the company’s large, detailed projects.

‘We’ll save the design as the plan number, which we get from the purchase order and then save the tweaked plan as the actual address of the project. This makes everything a great deal easier to work with,’ says Terry Moore.

Cabinet Vision’s ability to quickly generate shop drawings also makes the software a useful graphical tool for communicating job details at a glance.

‘We’re production based, so the black-and-white lines and bird’s-eye views that we can generate just by clicking a button are great,’ says Terry Moore.

Sunrise Wood Designs takes advantage of Cabinet Vision’s User Created Standards (UCSs) to automatically apply custom construction methods under specific job conditions.

For instance, if a user prefers a certain construction method when working with a particular type of material, Cabinet Vision applies a UCS for that method when the material is used.

Further embracing the customisable nature of the software, the Sunrise design team also creates custom cut lists for its shop-floor staff.

Terry Moore notes that CNC production allows the company to complete several operations in one set-up, which saves time and reduces scrap.

With the use of Cabinet Vision, more complex jobs — such as those that require grain matching — can be completed both quickly and without error.

‘When we do the grain matching, it works so well for us — and doing that by hand is a nightmare to get right. Now, we just cut them out on a router and label them and it goes together perfectly,’ concludes Terry Moore.



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

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PURCHASING A WOOD WASTE HEATER MAKES PERFECT BUSINESS SENSE

A BESPOKE furniture manufacturer in Oxfordshire has purchased a wood waste heater from Wood Waste Technology to save money on heating and waste disposal bills.

Kingsey Furniture & Interiors is based in Kingsey, just outside the historic town of Thame. It specialises in bespoke furniture and custom-built interiors for both domestic and commercial projects.

The team contacted Wood Waste Technology to order a WT10 for the main workshop area, to keep the team warm in winter and efficiently utilise the amount of waste wood that is generated as a result of the company's manufacturing activities.

Whilst installing the heater, Wood Waste Technology's experienced engineers were able to run a large duct from the heater in the main workshop area into the polishing shop, to warm the area where items are painted and help the paint dry quicker.

'For businesses with plenty of wood off-cuts available, purchasing a wood waste heater makes perfect business sense, especially when you have a large workshop to heat,' says chief executive officer, Fay Branch.

'The team in the workshop wouldn't want to be without it, as it keeps them warm on even the coldest days and the business definitely benefits from the cost-savings it provides on heating and waste disposal.

'Being able to duct warm air into the polishing shop is a bonus, as paint can take longer to dry in a colder environment,' she adds.

'We're delighted to have helped Kingsey Furniture & Interiors save money on its operating costs, whilst also keeping the team warm, utilising the waste wood and helping the paint dry quicker!' says managing director of Wood Waste Technology, Kurt Cockroft.

Wood Waste Technology's years of expertise in wood waste solutions has 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 Woodwaste Technology on 01785 250400.

Visit www.woodwastetechnology.com, www.grossuk.co.uk or www.putzmaus.co.uk.

STAINLESS STEEL SAWBLADES

BUILDING on the highly successful Efficut range, leading manufacturer of power tools, Makita has launched two new Efficut Metal cutting saw blades; the Efficut Metal 136mm, or 150mm for general purpose metal cutting and the Efficut Metal 136mm or 150mm for stainless steel and thin metal cutting.

Representing a technological advancement, the Efficut Metal saw blades are specifically designed for greater efficiency when cutting metal with a cordless circular saw.

Affording improved cutting speeds 1.6 times faster than their standard blades for metal and 1.7 times than their standard blade for stainless steel, they enable operators to achieve higher levels of operational efficiency.

The new range of blades has been manufactured to a high standard to ensure that they offer the best performance for operators.

Incorporating "chip breaker style" saw tips, the special design of the blade tip provides excellent chip ejection.

The tips, made of cermet, are strong enough to handle the most demanding of jobs, remaining stable when cutting, even when impacted and, therefore, reducing the risk of breakage.

Furthermore, thanks to the tip design, the blades provide excellent and reliable straight cutting.

The tips have been set to a specialised varied pitch and arranged in the optimum order, so that the load on the blade tips can be distributed evenly and efficiently whilst keeping the saw blade stable when under pressure.

The design provides the ideal balance between durability and the thin 1.1mm kerf produces less resistance during operation and, therefore, is less draining on the battery - up 1.6 times more cuts when compared to equivalent standard saw blades.

Operators can work for longer with more cuts per charge, when paired with Makita 18V LXT metal cutting saws.

'We're delighted to further innovate within the Efficut range with the release of additional products that offer more reliability for tradespeople, says marketing manager at Makita UK, Kevin Brannigan.

'The new Efficut Metal Saw Blades provide more cuts per charge and faster cutting times, without compromising durability or precision,' adds Mr Brannigan.



For further information tel Makita on 01908 211678. Visit www.makita.co.uk

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THE IMPORTANCE OF DUST MANAGEMENT

DUST management is vital and should be carefully factored into every task undertaken by woodworking professionals to ensure that those on-site remain as safe as possible. Here, technical manager at Makita, Tony Coleman explains more about the dangers of wood dust and how to protect workers.

According to statistics from the Health and Safety Executive, each year around 12,000 people die as a result of exposure to harmful dust at work. For trades such as woodworking, where dust exposure can be particularly high, it is vital that precautions are taken to reduce the risk to workers.

An introduction to wood dust

Wood dust - which can be produced from a number of tasks, including sanding, sawing and routing - is a substance that requires employers to put controls in place in the work place. This is because the inhalation of wood dust can result in non-reversible health issues, such as skin disorders, asthma and even some types of cancer.

Construction workers need to be particularly careful when it comes to fine dust, which can be breathed further into the lungs and therefore cause a significant risk to health. Professionals should also watch out for wood containing bacteria, fungal and moss spores which, again, are a major risk.

Due to the associated dangers, wood dust is listed under the Control of Substances Hazardous to Health Regulations (COSHH), which outline the legal requirements for protecting workers against substances, such as wood dust. These include carrying out sufficient risk assessments and taking the necessary steps to prevent and control employee exposure to wood dust.

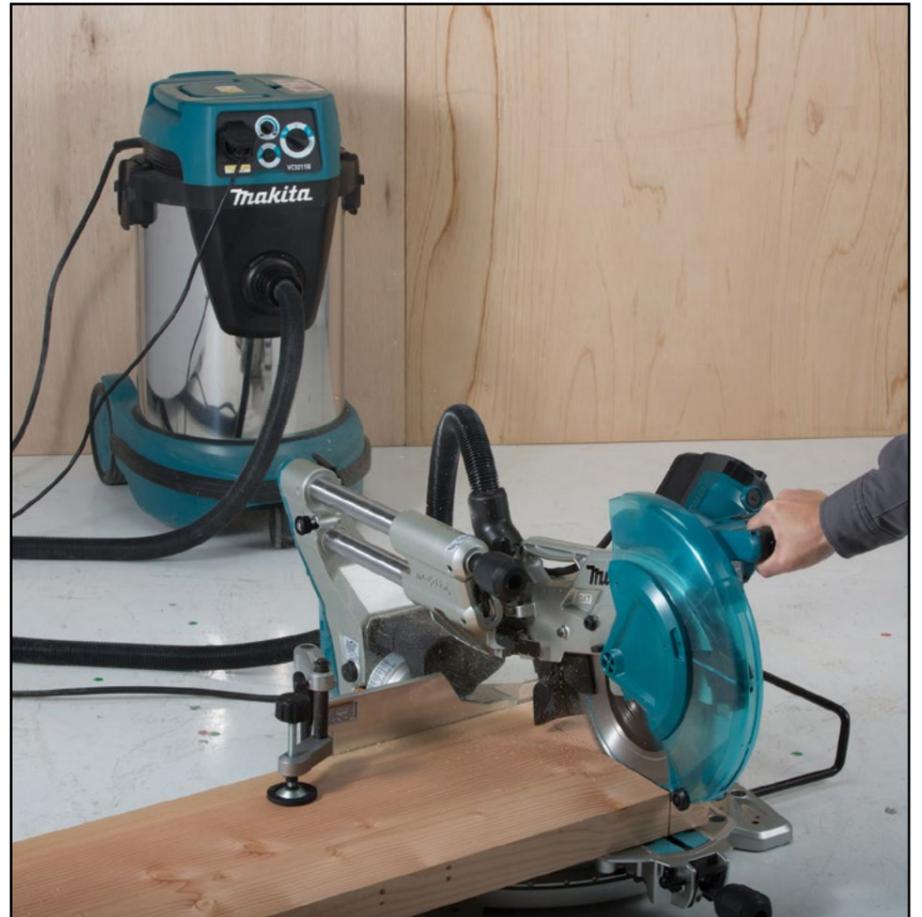
Removing harmful dust at the source

The HSE suggests that, for the best results, wood dust should be removed at the source - for power tools, this is incredibly easy. For example, Makita manufactures dust extractors that can be integrated with Makita tools, to ensure that dust is removed before it can circulate, preventing operators from breathing it in.

When using a dust extractor, it is important to make sure that it is suitable for the type of dust being collected. For wood dust, an M-Class extractor should be used to meet the minimum legal requirement. M-Class extractors are designed to remove 99.9 per cent of dust with limit value for occupational exposure > 0.1 mg/m³.

Dust extractors and what to look for

With so many M-Class dust extractors available on the market, it can be difficult to decide which model to go for. Firstly, it is important to think about the dust extractor's capacity. For use in joinery shops



and workshops, dust extractors, such as the VC3211M 32-litre extractor and VC4210MX/1 42-litre extractor are ideal. Larger capacity extractors will enable operators to continue working for longer, without having to stop to empty the dust collected.

However, for those working across numerous sites a 22-litre extractor, such as the VC2201MX1 and VC2211MX1 might be more practical. The more compact design of these extractors will make it far easier to carry and transport the extractor - and smaller machines can be more easily manoeuvred around site (especially when working in tight spaces).

Makita's M-Class machines also include an audible warning system, to inform operators of any blockages in the filter, or when the tank is full. This makes sure that the extractor continues to perform at its optimum and operators can continue to use the extractor safely, both for themselves and for other workers within the site.

For even better performance, Makita's VC4210MX/1 includes an automatic on/off function, which ensures that the extractor

automatically turns on when the power tool is in use (and subsequently turns off when the tool is no longer on). A number of Makita dust extractors also include an automatic filter cleaning system, ensuring that the extractor continues to work at its optimum.

Makita's range of M-Class dust extractors can be used across a range of Makita tools to ensure that dust is collected quickly and at the source.

It is vital that employers and employees alike take action when it comes to dust production and work to incorporate dust management solutions into every task undertaken to improve the health and well-being of those on site. Work smart - use a dust extractor to collect hazardous dust, not your lungs!

For further information tel Makita on 01908 211678. Visit www.makita.co.uk

SHREDDER AND BRIQUETTE PRESS RANGES PROVING POPULAR

WOOD Waste Control is one of Europe's leading dust extraction systems specialists. The company's recently-launched range of shredders and briquetters is proving popular with a wide range of customers.

'The ranges are proving very popular with customers. The shredders are designed to shred all kinds of waste material, including hard and softwoods, chipboard, OSB and plywood panels, as well as construction timbers,' says managing director, Reg Gareppo.

The shredder can also be configured to deal with other materials such as papers, cardboards, metals and rubber.

As standard the WWC shredders include fast hydraulics, profile rotor, a second row of knives, control cabinet with Siemens plc, automatic star/Delta switch, automatic stop when the hopper is empty, removable exhausting channel and performance-enhancing pacing of hydraulic sliders.

A wide range of models is available, ranging from 0.4m³ hopper capacity with 15kW motor, through to a model with 2.5m³ hopper capacity and 30-75kW motor.

The sturdy steel construction of the WWC grinders guarantees constant quality in continuous operation.

WWC shredders are fitted with a slowly rotating profile solid steel rotor (260mm or 360mm diameter), which is mounted on the sturdy machine base.

'The shredder knives are available in various designs for all kinds of material.

They feature low wear and can be rotated several times

before they have to be replaced,' adds Reg.

The company's new range of briquetting presses offers a choice of throughput from 30 to 350kg/h. All models feature energy-efficient operation, a coolable sleeve, low wear and tear costs and an endless briquette line.

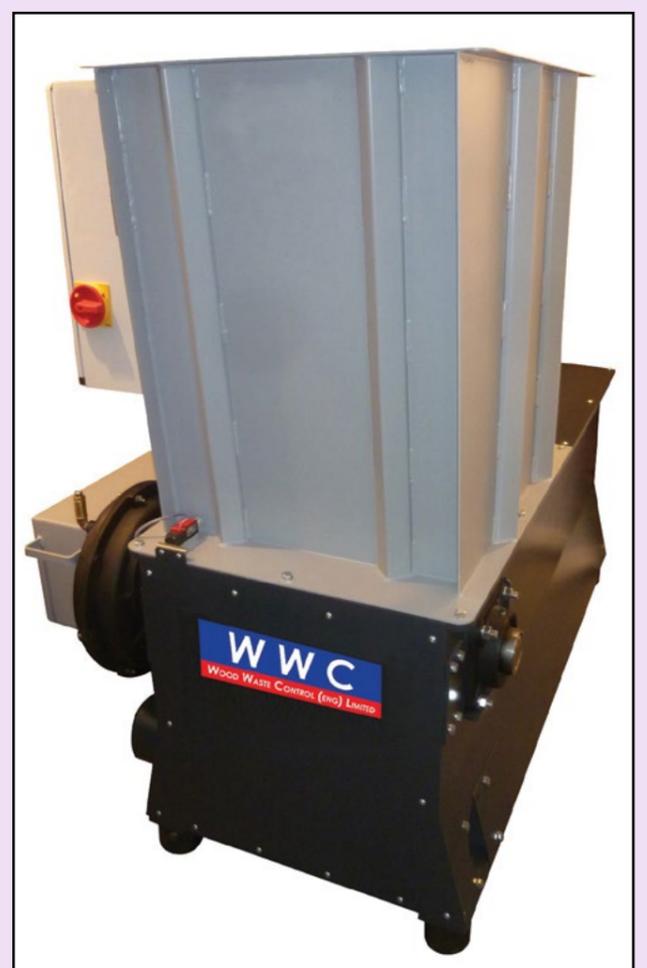
Wood Waste Control is one of the UK's leading dust extraction and heating equipment specialists for the woodworking industry. Its modular silo and chain filters meet a wide range of extraction requirements and from simple stand-alone bagging units through to complex integrated systems, the company provides a comprehensive service. The products include the Whisper range of silenced fans and fine dust filter units.

Wood Waste Control's manual and automatic warm air models are capable of burning a wide range of wood fuels automatically, as well as accepting hand-loaded offcuts.

The company is based in Bourne End near High Wycombe and has hundreds of successful installations across the UK, in Europe, Russia and Africa.

As one of the country's leading dust extraction specialists all Wood Waste Control equipment is built to meet COSHH legislation requirements and can stand alone or be used in conjunction with total-extraction return air heating systems.

For further information tel Wood Waste Control on 01628 525290. Visit www.woodwastecontrol.co.uk



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PRODUCTION SOFTWARE TURNS DESIGNS INTO REALITY

TO say that works director of Daw Green Contracts Ltd, Alan Ruddock is passionate about the woodworking industry, would be an understatement.

He built his own workshop in a shed when he was 14 and had woodworking tools for Christmas as a child, taking his own full set of tools into his "O" Level woodworking exam.

He fully admits that if you cut him, he'd bleed sawdust.

'It was just born within me. When I started working in the industry, I couldn't believe I was getting paid to do something I loved so much,' says Alan.

Now, he's equally as passionate about Alphacam software, which programs the company's three-axis SCM Record 125 router. As well as currently using Alphacam on every project the high-end shopfitting company works on, he is also expanding their use of Cabinet Vision, which also drives the Record, through its Screen-To-Machine module.

The company manufactures everything from counters to displays, stands, wall panelling, ceiling features, desks and storage units - indeed, anything with a curved shape goes through Alphacam.

'We've also had Cabinet Vision for a few years, but only recently started to really exploit it for carcasses and pure cabinetry components,' says Alan.

Amongst the company's prestigious clients are the Trailfinders travel agency chain; Royalty, including Buckingham Palace, Holyrood Palace, Windsor Castle and Clarence House and the Houses of Parliament.

'As we only work at the real top end of the market, precision and quality is paramount for us. Our biggest challenge is the complexity of what we do and, with time being one of the major drivers of the industry, we're always looking to save time, whilst continuing to ensure consistently high quality, particularly in the process of converting the original drawings into NC code for the machine tool. This is where Cabinet Vision is starting to play an increasingly important role,' says Alan

When the company first invested in Cabinet Vision it was part of a period of considerable change for the company and the software was not being fully utilised. Now, while Alphacam will continue to program complex components, Alan says a lot of the case work is better suited to Cabinet Vision.

'The difference is, once we import our CAD drawings into Alphacam, we have to break down the individual components and redraw them in Alphacam, then insert all the holes and fixings.

'However, Cabinet Vision produces the panels for us from the CAD drawings and this will save us a tremendous amount of time, whilst reducing the risk of human error.

'Those drawings show the entire shop, including all the other trades - air conditioning, electrical and flooring - and we extrapolate the cabinets and treat them as individuals,' explains Alan.

He says further time savings come from Cabinet Vision's parametric function.

'Basically we make boxes - a counter with cupboards and drawers is simply a box with other boxes inside and as we've already invested time upfront with building up libraries and construction methods, we simply drag and drop a cabinet into the job and when we edit one length, it automatically changes the other dimensions.

'Sometimes those boxes have complex shaped components and we'll need Alphacam to program those tool-paths, but the majority are now put directly through Cabinet Vision now,' says Alan.

As well as accuracy and time savings, he says that Cabinet Vision offers another huge benefit for the workshop: labelling.

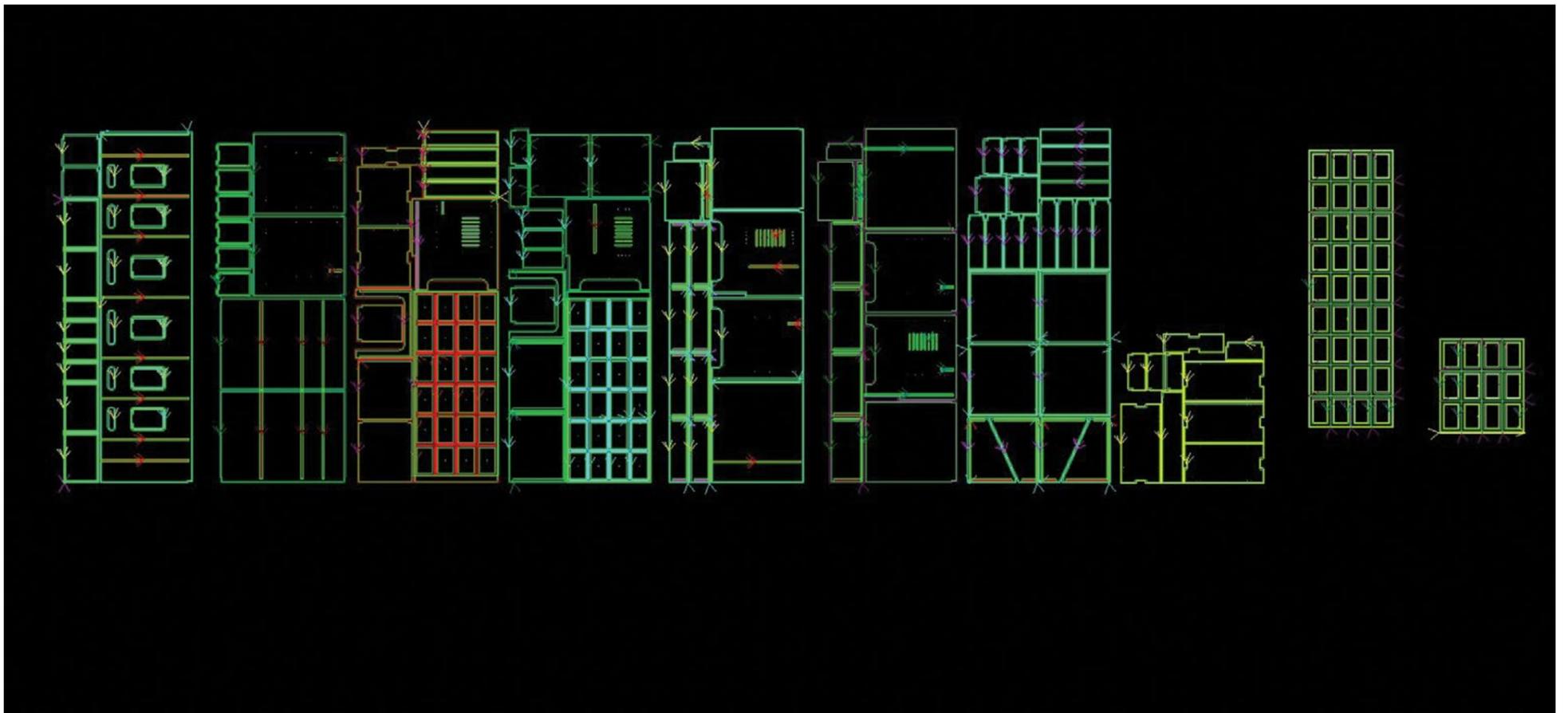
In addition to the software producing drawings showing all the panels coming off the router, Label-IT enables their operator to clearly visualise the panels, print labels at the machine and then simply place them on the parts as they're nested out.

The screen is updated automatically to show which parts and panels have been completed. Information on the labels includes the client name, job number, description and edge-banding details.

'This is particularly important for the shop floor to take a pallet of parts and know which ones need to go to the edge-bander, or directly to the bench for assembly as a finished counter, or desk. It's like putting a jigsaw puzzle together with the box lid picture, as opposed to doing

it without the lid,' says Alan, concluding that Alphacam has been valuable and integral to the company's processes for many years and that Cabinet Vision is set to become equally important.

For further information tel Alphacam or Cabinet Vision on 01189 756084.
Visit www.alphacam.com or www.cabinetvision.com



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MARTIN WOODWORKING MACHINERY REPRESENTED IN SCOTLAND BY DERAL

DERAL Ltd, based in Airdrie in Scotland was established in 1984. Whether you are looking for new, or used woodworking machinery, you should look no further than Deral Ltd.

Deral Ltd offers a wide range of new machinery from some of the top manufacturers in the industry.

When you purchase a new machine from Deral Ltd you can be assured that you will be acquiring reliable machinery from a well-known manufacturer in the knowledge that you will be able to benefit from Deral's full after sales support.

Over the years, Deral has steadily built on its reputation for offering high quality support and the fact that the company has consistently increased its engineering workforce over the years to meet customer demands, which enables a quicker response time.

The company's philosophy is to provide the customer with advice as to the correct machine for each and every application and the right specification, combined with comprehensive after sales support. The importance of these factors should never be underestimated.

In order to ensure that the advice given to customers is based on the latest technology, Deral's sales staff regularly attend seminars and manufacturers' product knowledge courses.

In specifying a machine for a customer, in addition to current production needs, it is essential that consideration is also given to future requirements.

Deral employs multi-skilled engineers all of whom are trained in the latest technology. Full advantage is taken of manufacturing courses to maintain a high level of expertise. Deral's company goal is to be recognised as the preferred choice for advice and the supply of quality machinery and services.

In 1989, due to customer demand, the decision was taken to supply both new and used machinery.

Deral has taken great care in selecting the best possible partners, who provide superior technical specification on all their machines, combined with excellent after sales support.

One such manufacturer which Deral was keen to work with was the renowned German woodworking machinery manufacturer, Martin.

Martin produces a wide range of woodworking machinery, including spindle moulders, sliding table saws, planers, shapers and sanding equipment.

One machine from the Martin range that remains ever popular with Deral's mainly Scottish based clientele is the T60C sliding table saw.

This represents an ideal entry into the premium compact class. It strikes a perfect balance between price and performance, because all the key components of the circular saw T60C are designed exactly as you would expect from a Martin machine.

If a higher price does not directly reflect a higher performance, the T60C intentionally makes a "more compact" choice.

Focused engineering combined with an operating technology reduced to the basics make the T60C an excellent partner for anyone who is looking for a reasonably priced introduction to the top division of sawing. Every T60C saw promises a perfect balance between price and performance.

Scoring saw unit

The unit individually sets both the scoring position left and right on the basis of the stored saw blade data fully automatically.

The operator specifies the scoring height electronically and the setting is also provided automatically.

The adjustment ranges of the two axes are clearly displayed and easy to understand. Any requisite fine adjustment is therefore child's play.

It goes without saying that all settings are stored and not lost when switching off the unit.

A special feature of the scorer is the pneumatic lifting/lowering of the scoring saw blades. As a result, the unit is activated in seconds and also quickly taken out of service again. This reduces noise and increases safety.

SafeLight

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

ScribeMaster

The "ScribeMaster" scoring saw system allows the scoring width to be set easily on the stationary scoring saw unit. Fiddling around with shims between the scoring saw blades is therefore a thing of the past.

Cross-cut table

The sturdy cross-cut table is part of the basic equipment featured on the T60A saw. The cross-cut fence can be used in either the front, or rear position of the cross-cut table with just a simple movement.

The large angle scale integrated in the table allows precise mitre cuts between 0 deg and 50 deg to be executed by simply turning the cross-cut fence.

The T60C sliding table saw represents excellent value for money and it is therefore no surprise that Deral's customers consider it to be the machine of choice for a wide range of applications in a joinery workshop.

For further information tel Martin on 00 49 8332 9110. For further information on Deral Ltd tel 01236755350. Visit www.martin.info or www.deral.co.uk



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BIESSE LAUNCHES ENTRY-LEVEL EDGE-BANDING RANGE

IN AN age when having the upmost quality of products is no longer considered supplementary, but essential, production technology must offer consistent quality without compromises, whatever the level of the range.

This is the underlying value behind the Akron 1100 range of compact single-sided edge-banders from Biesse, which are ideal for small-scale producers who want to modernise production.

Within its price range, the Akron 1100 is claimed to be the only technology on the market offering high-level components, such as the Rotax motors made by HSD.

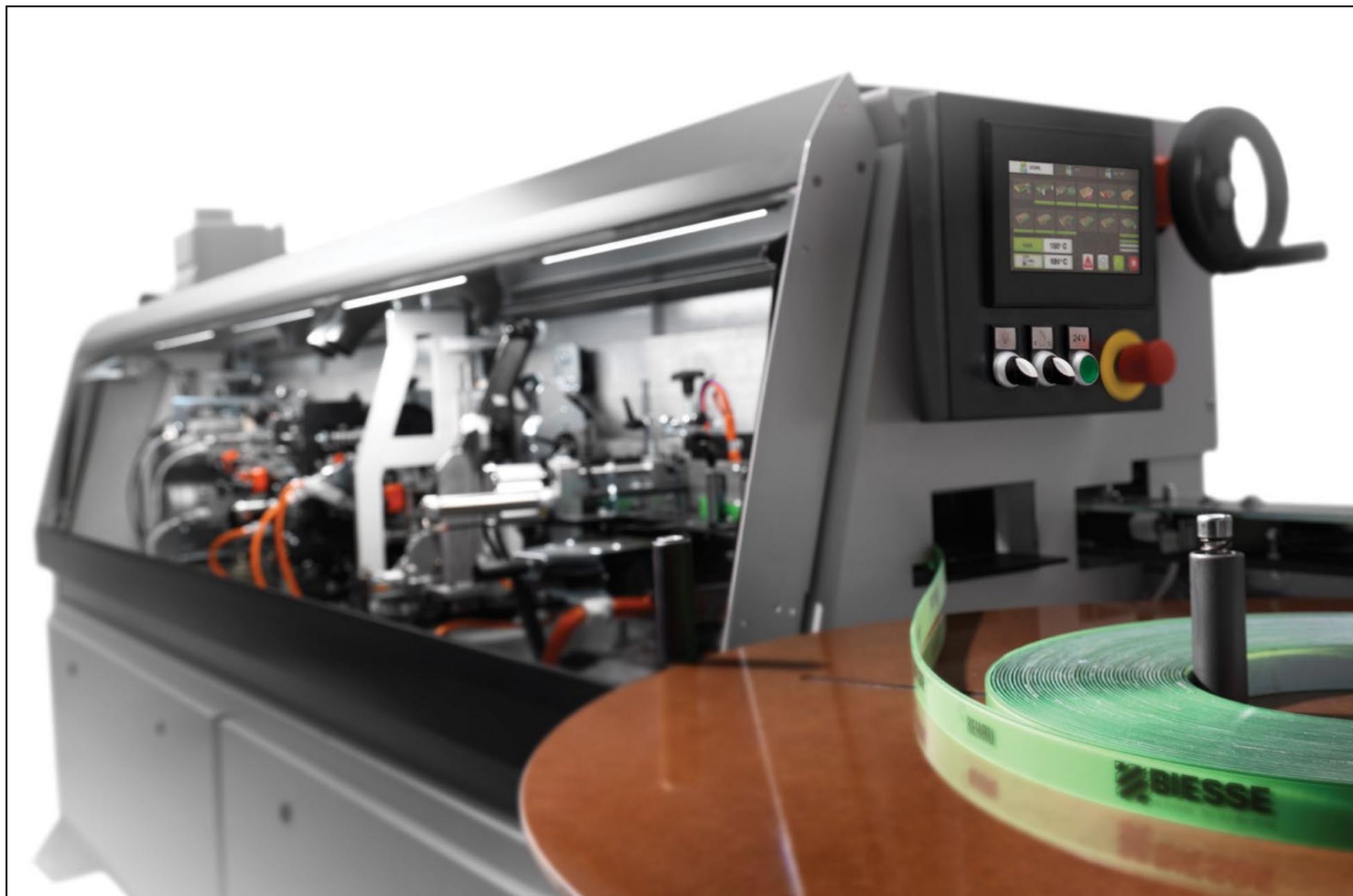
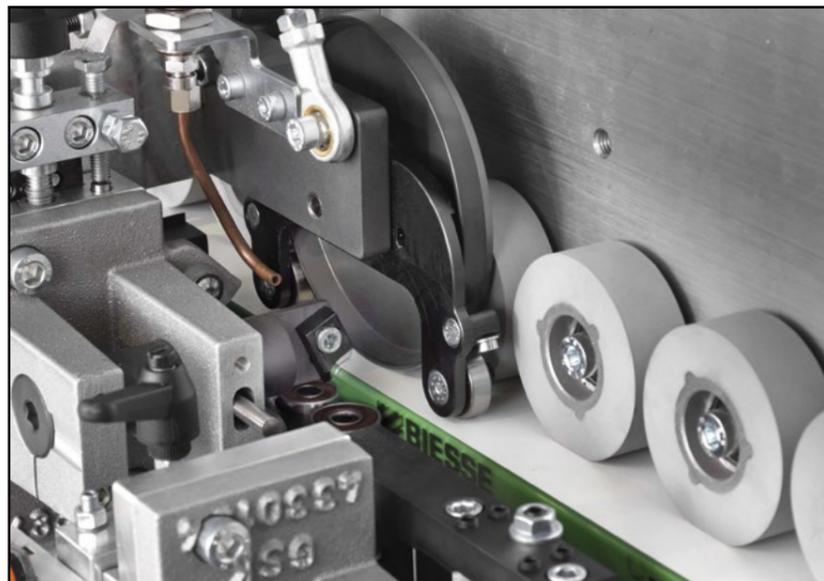
There are three machine configurations offering choices on trimming, corner rounding and pre-milling. Control is via a 7in touchscreen. It is claimed to be the only one on the market at its price point and offers an icon driven, highly intuitive interface. It also provides feed-back in the form of valuable machine information, reports and statistics relating to the daily

work being carried out, highlighting productivity levels and any setting issues.

'This entry-level range stands out in the market for its high specification, quality and performance. The Akron 1100 has the capability of applying edge material from 0.4mm to 5mm solid wood lippings, with a 10m/min track speed. In addition, changeovers from thick to thin edges, together with machine set-up is very quick and simple,' says Biesse brand sales manager, Malcolm Storey.

'The Akron 1100 range is the ideal machine for a first-time user, providing a quality edge finish. We also offer a "walk in" in demonstration service whereby customers can visit us at any time and see how easy the machine is to set up and operate,' adds Mr Storey.

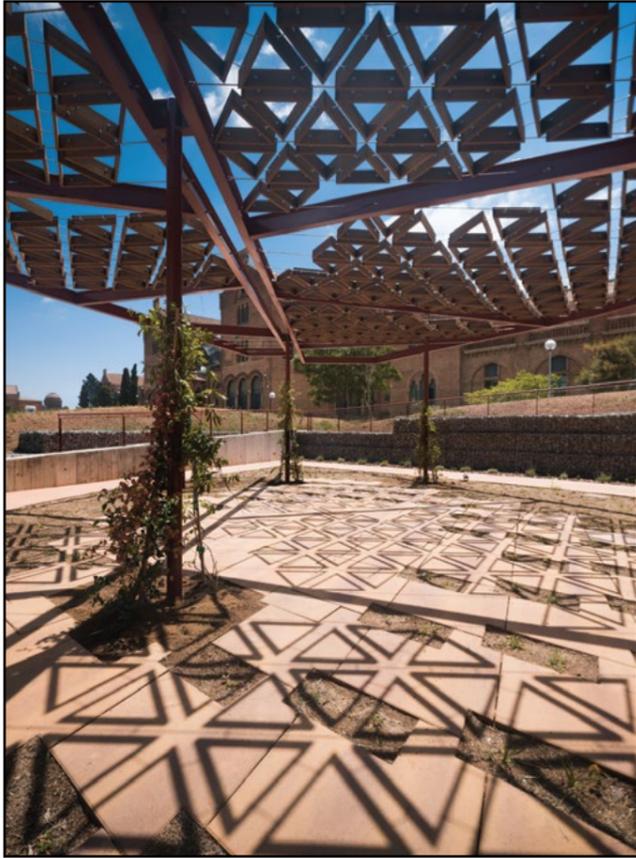
For further information tel Biesse on 01327 300366. Visit www.biesse.com



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THERMALLY MODIFIED TULIPWOOD UTILISED IN BARCELONA CARE CENTRE FOR CANCER PATIENTS



THE American Hardwood Export Council has made a commitment to modern society and people's well-being by donating thermal modification and highly skilled carpentry to the new Kàlida Sant Pau building in Barcelona, a care centre for cancer patients.

AHEC has donated American tulipwood to two spaces of the new Kàlida Sant Pau building in Barcelona: the outdoor pergola and trellised façade.

The building has been designed by architect, Benedetta Tagliabue from Miralles Tagliabue EMBT studio, with interior design created by architect and interior designer, Patricia Urquiola.

The features of thermally modified tulipwood provide resistance to weather conditions and adds warmth and elegance to the building.

The pergola design, under which visitors pass to reach the main entrance to the building, has been designed to act as a protective layer covering the garden.

The tulipwood boards form small triangles and are framed by a steel structure, offering textural contrasts to the outdoor area.

This design not only works to shield the outdoor space from surrounding buildings, it also offers an escape from the traditional hospital environment.

The trellised façade consists of horizontal thermo-treated tulipwood

slats, which allow light to filter through and offers views of the Hospital de Sant Pau complex, whilst still preserving the patients' privacy.

'The use of thermo-treated tulipwood was an excellent choice for the outdoor elements of the Kàlida Sant Pau building, because it has allowed us to add elegant wood elements and we have been able to use it in an optimum way for exterior applications,' says Benedetta Tagliabue.

'We believe that this technology is key for using wood in exterior applications. The market is growing and designers and architects want to use wood but, for this to happen, it has to perform well, look good and last, otherwise it simply won't be used,' says European Director of AHEC, David Venables.

'Thermo-treated wood doesn't use chemical products, it improves stability and has a minimal environmental impact compared to other techniques.

'We are delighted to have collaborated on the Kàlida Sant Pau building and with this fantastic social initiative,' continues Mr Venables.

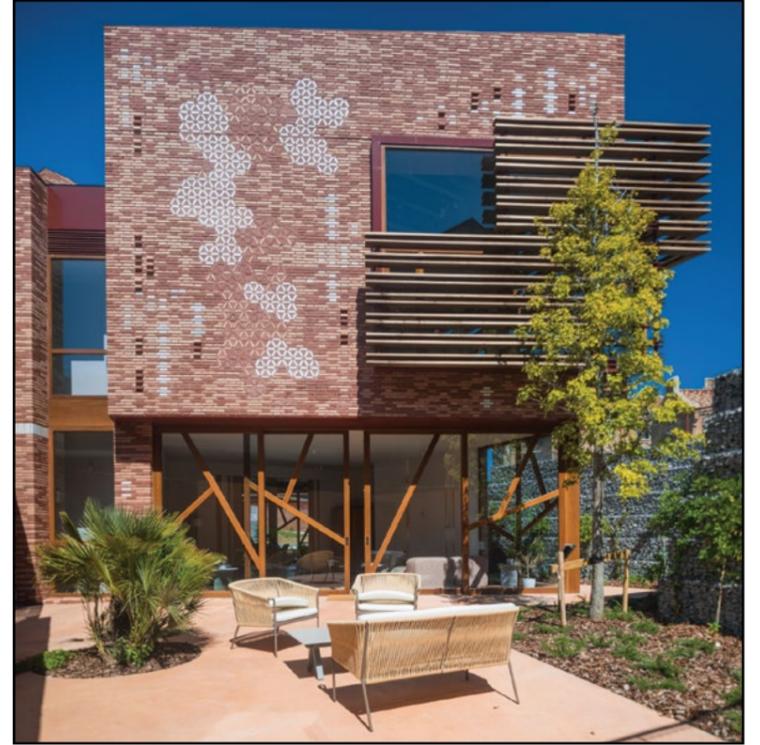
Thermo-treated, or thermally modified wood performs better and has increased durability, allowing it to be used in exterior applications with no need for additional protection.

Following this thermal modification, US ash, soft maple, tulipwood and red oak obtain Class 1 durability, the highest possible classification.

The treatment process consists of gradually heating the wood to a temperature of 180–215 deg C for three to four days (the time depends on the thickness and species of wood).

The treatment is applied in an oxygen-free atmosphere to ensure that the wood does not catch fire and it can be applied using steam, or in a vacuum.

This process reduces the timber moisture content significantly to 4–6 per cent (very low) and changes the physical structure of the wood, which limits its moisture absorption capacity.



This provides the products with more dimensional stability with the result that they are less susceptible to twisting, or losing their shape with changes of humidity.

The thermal modification process also destroys the hemicelluloses and carbohydrates in the wood, which are the main food sources for insects and moulds. This makes the wood more resistant to rot without the need for surface treatments.

This increase in dimensional stability and resistance to decomposition significantly extends the useful life of the wood and reduces maintenance needs. In addition, the wood acquires an attractive dark colour along its whole length.

Lastly, despite the energy used in the thermal treatment process, the carbon foot-print made by this process is compensated for by the fact that other protection treatments with significant environmental impacts are no longer necessary.

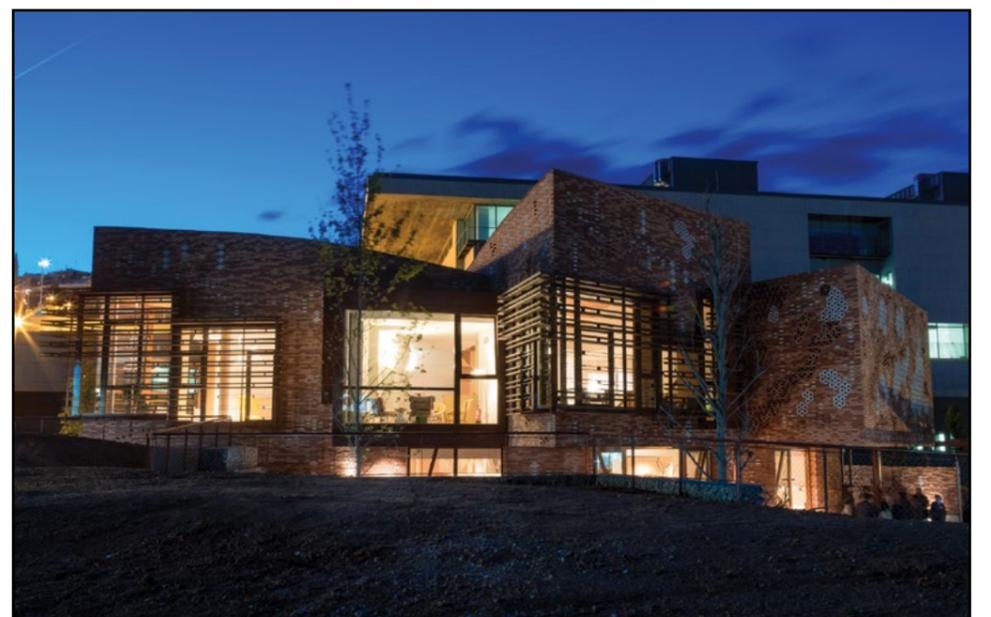
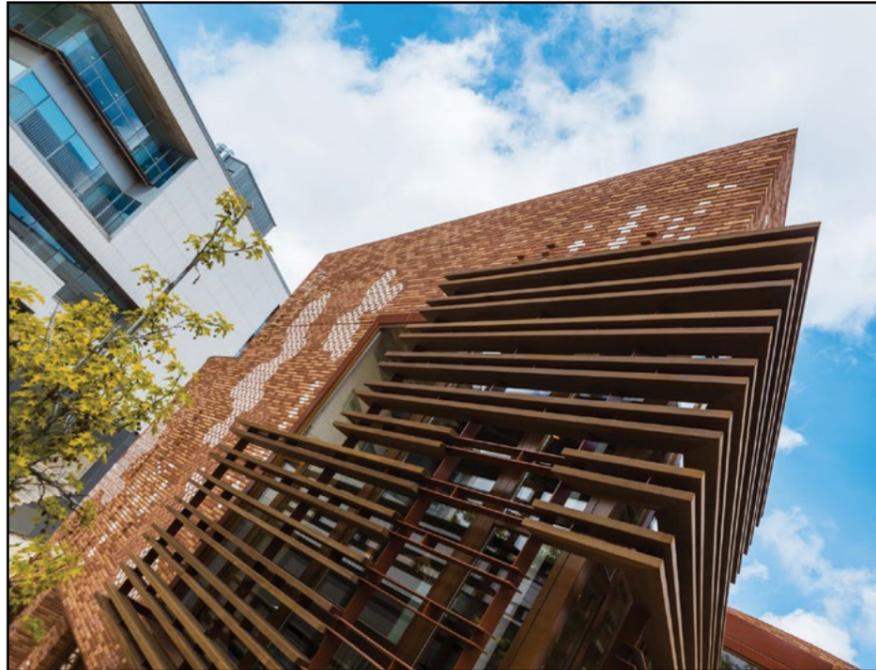
The new Kàlida Sant Pau building is located just a few steps away from the Hospital de Sant Pau Oncology Department in Barcelona.

Kàlida promotes a psycho-social care model for cancer patients, centred around the needs of the individual, just next door to the Oncology Departments of public hospitals specialising in cancer treatments, with dedicated areas to provide support for patients, family members, friends and carers.

Kàlida is inspired by the psychosocial care model of the Scottish NGO Maggie's and forms part of this international network.

The centre offers a comprehensive programme to make people with cancer feel supported and informed throughout the different phases of the cancer treatment in a specially designed architectural space.

For further information tel American Hardwoods on 020 7626 4111. Visit www.americanhardwood.org



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IDEAGEN - CELEBRATING 25 YEARS WITH THE RELEASE OF Q-PULSE SOFTWARE

SOFTWARE firm, Ideagen has released the latest version of its “modern, slick and visually-rich” version of Q-Pulse software to celebrate its 25th anniversary

The latest iteration of Ideagen’s quality, safety, risk & compliance management software is used by manufacturing and services firms, such as Bombardier, Coca Cola, Kingspan and Aggreko

Ideagen, the governance, risk and compliance GRC software provider, has launched a new and improved version of its Q-Pulse application to coincide with the 25th anniversary of the software.

Ideagen is headquartered in Nottingham, England, UK, which is a Centre of Excellence site.

The company has three other Centre of Excellence sites – one in Glasgow, one in North Carolina, US and a third in Kuala Lumpur.

The company also has global, strategic operational premises including (in the UK: Bromsgrove, Chesterfield, Leeds and Taunton), Cork in Ireland, as well as in Dubai, Kansas USA) and Sofia in Bulgaria)

The UK-based firm unveiled Q-Pulse version last month, thus marking the latest evolution of the quality, safety, risk and compliance management software.

Q-Pulse is used across the manufacturing and services industry to maintain operational integrity in line with standards, such as ISO 9001:2015.

The software helps remove labour and bureaucracy from quality and compliance management, providing control, efficiency and transparency.

As well as maintaining the software’s existing functionality, the browser-based Q-Pulse 7 comes with powerful dashboards for increased business intelligence and an intuitive user experience.

Ideagen’s chief technology officer, Ian Hepworth joined the company in May, 2018, to drive the development of Q-Pulse 7.

‘For any software product to remain at the top of the market for 25 years is an extraordinary achievement. To have one of our own reach that milestone is very special indeed and we are incredibly proud of the software and this latest iteration,’ says Ian.

‘With Q-Pulse 7, we believe that we have produced a modern, slick and visually rich software product that has really taken the application to the next level.

‘We have focused on bringing data from all across the business to life through visually appealing and quickly consumable dashboards to ensure that users can access information that is important to them quickly and easily.

‘In addition, thanks to its web-based interface, the system can be accessed anytime, anywhere – significantly extending its overall reach,’ adds Ian.

‘Q-Pulse 7 marks an exciting next step in the future of the product and in Ideagen itself. We believe that this release provides a solid foundation for the software to continue to lead the way in the manufacturing industry for at least another quarter of a century,’ proclaims Ian.

Originally launched in 1994, Q-Pulse first came into prominence as a quality

management solution, helping organisations make the first moves to paper-free control of processes related to document, audit and corrective action management.

Since then, each version has expanded its capability to help Q-Pulse become a trusted solution across the global manufacturing industry.

‘Q-Pulse helps organisations build a repository of business critical information that they can use to improve other processes,’ says Ideagen’s product manager for Q-Pulse, George Hall.

‘With Q-Pulse 7, all of this information can be surfaced immediately to improve the understanding of business performance like never before. It really goes beyond simple analysis and opens up the entire database for scrutiny,’ adds Mr Hall.

‘Since 1994, Q-Pulse has evolved from an innovative quality management solution to become a leading application within manufacturing for quality, safety, risk and compliance management,’ says Ideagen chief executive officer, Ben Dorks.

‘The success of the software during that time is testament to the talent, knowledge and foresight of our team within Ideagen and our customer base, who have helped to shape Q-Pulse into the product that we see today,’ he adds.



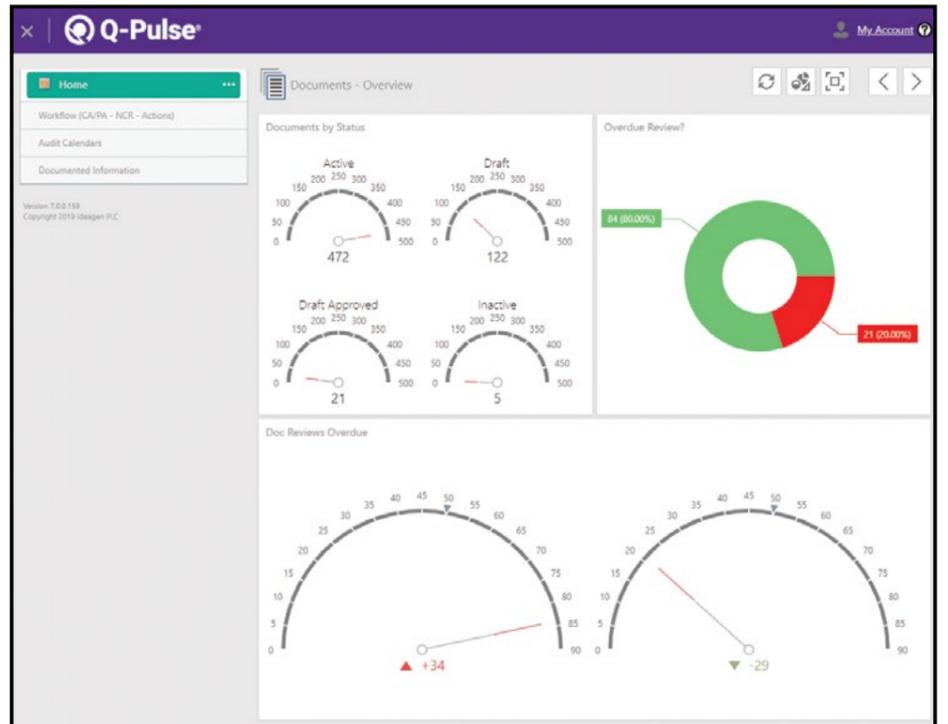
Ideagen’s chief technology officer, Ian Hepworth.



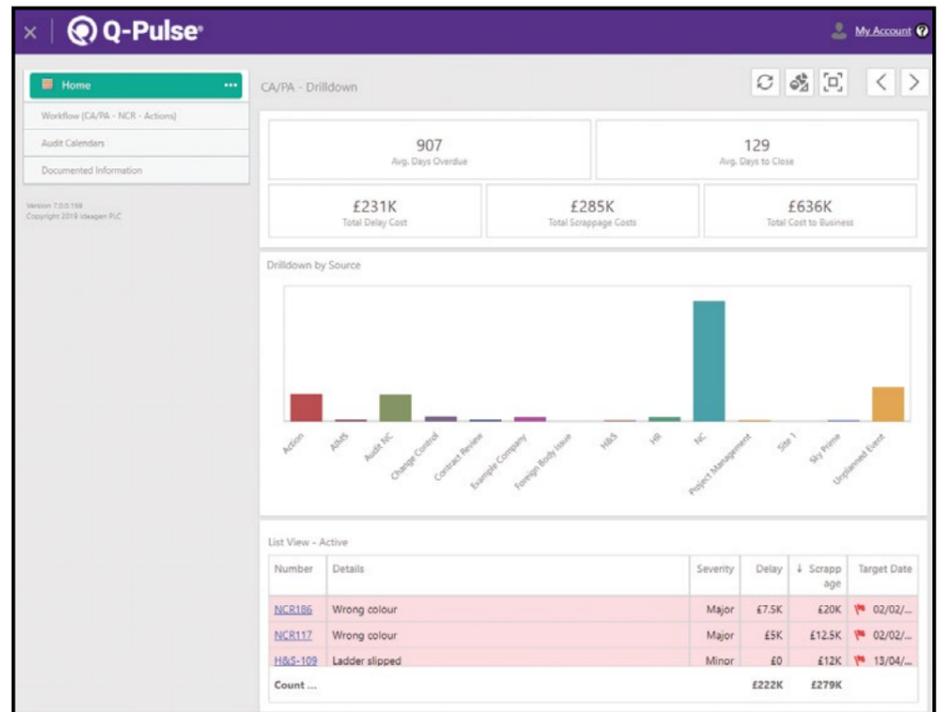
‘The release of Q-Pulse 7 is a significant one that has been eagerly awaited by our clients across the globe and we are delighted to finally be able to shout about it.

‘We believe that Q-Pulse 7 will play a huge part in cementing our position as the leading provider of quality, safety, risk and compliance software to the manufacturing industry globally,’ concludes Mr Dorks.

For further information tel Ideagen on 01629 699100
Visit www.ideagen.com/products/q-pulse



Q-Pulse documents dashboard.



Q-Pulse 7 CAPA dashboard.



Ideagen chief executive officer, Ben Dorks.



Ideagen’s product manager for Q-Pulse, George Hall.

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PALAMATIC PROVIDES A LIFT FOR PANEL PROCESSORS



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

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

As a proven Health & Safety solution, a Palamatic vacuum tube lifter offers increased operator safety and performance, allowing efficient use of labour and reduced injuries and claims.

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

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

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

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

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

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

'With our 22,000ft² factory based in Chesterfield in Derbyshire, we are well placed to visit customer sites and for our customers to send us samples to test prior to us manufacturing their vacuum tube lifter. We have a skilled field engineering team to install the system and come in to train individual operators,' says Mr Bennison.

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

For further information tel Palamatic on 01246 452054.
Visit www.palamatic.com



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

Email us at: bill.willowe@gmail.com

YOU'LL NEVER COME UNSTUCK WITH OAK AND TEAK EPOXY WOOD GLUE

MAKE Wood Good Ltd, UK distributors of the Marine Epoxies of Smiths and Co of California, is proud to introduce Oak and Teak Epoxy Wood Glue to the UK market.

Oak and Teak glue, the all wood glue, is a two-part epoxy resin made largely from the resins of wood itself. That is why it can dissolve the natural oils of oily hardwoods and why it bonds all oily hardwoods, such as teak, cocobolo and ebony. Epoxy glues made from petro-chemicals cannot do this.

Oak and Teak Epoxy Wood Glue will bond all non oily hardwoods and softwoods that lesser epoxies are also capable of gluing.

Oak and Teak Epoxy Wood Glue is unaffected by the natural acids common to many woods, which is why it bonds oak so readily.

With proper chemical surface preparation, it will also glue a wide variety of metals, glass, rubber and also glue many plastic materials. The cured adhesive is completely waterproof and weather-proof.

Oak and Teak Epoxy offers a very long working time, two hours at 20 deg C and will not smoke off like other epoxy adhesives, if mixed in large quantities.

The company's Epoxy Cleanup Solvent will dissolve and clean up excess Oak and Teak Epoxy Glue before it has gelled. Once cured, there is no clean-up solvent.

The cured adhesive is easily sanded back and leaves an unobtrusive glue line. It is a translucent orange in colour, so blends in nicely with natural wood colours.

Mixing:

Measure the Oak and Teak Epoxy wood glue out. It is a 1:1 mix ratio, so very easy to get right and it is very forgiving of mix ratio errors. Use 10 parts A to 12 parts B, if measured by weight.

Mix the Oak and Teak epoxy thoroughly. All two-part adhesives require very thorough mixing to set properly. Wait around 10 minutes until the mixed glue turns from white to amber before using it.

Application:

Never clean the surfaces with solvents, even if you are gluing very oily wood, such as cocobolo or teak. Solvents will be absorbed by the wood, which will interfere with the penetration of the glue and weaken the resulting joint.

Oak and Teak Epoxy will not be affected by the oils in the wood. This is a major advantage over the company's competitor products, which require the use of solvents that inevitably reduce joint strength.

Apply the Oak and Teak epoxy to both surfaces of the joint and allow the wood to soak up as much as it wants to. End grain and porous woods, such as the edges of plywood will soak up more.

Scarf and Butt joints are especially prone to soaking up glue, because of their end grain surfaces.

Allow the wood to soak up the adhesive, deep penetration gives strong joints and it stops the joint being starved of glue after assembly, as the wood soaks the glue up.

Oak and Teak Epoxy has a long working time; you do not have to rush things at this stage.

Clamp the joint using moderate pressure. The use of too much pressure will starve the joint of glue and weaken the joint.

Finishing:

Clean any excess glue from the joint area with paper towels. Avoid the use of solvents if you can, as they can



MAKE WOOD GOOD

PROTECT • PRESERVE • RESTORE

penetrate the wood and weaken the joint. If you must use solvents, use the company's Epoxy Clean Up Solvent sparingly. Allow the glue to harden before stressing the joint.

All Smiths Epoxy resins use their Dual Synergistic Catalyst™ which will ensure a full dependable cure at temperatures as low as -2 deg C (28 deg F).

Oak and teak epoxy dries to a translucent pale orange. It is easy to sand and leaves very inconspicuous glue lines once finished. Oak and Teak Epoxy resin will fill gaps in joints.

Packages:

Oak and Teak Epoxy is available in packages from a 25ml twin barrel syringe up to 7.6 litre packs.

Testimonial from Michael Tobias Design (guitar-maker)

"What we like about Smith & Co products is that they work with no glue failures including a better guitar finish adhesion and a secure fingerboard glue joint.

"I have been recommending these glues for a long time. I would not dream of gluing on a fingerboard with anything else and I doubt my finishes would be the same without CPES".

For further information tel Make Wood Good Ltd on 01732 824700. Visit www.makewoodgood.com

