

panel & JOINERY PRODUCTION

May/June 2017



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Upgrading to Felder's G360 edgebander has increased the speed and efficiency of Kings Oak production.

See Page 10 for further information.



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James Latham Provides Materials For Plywood Exhibition At The V&A

James Latham is providing plywood for the interior of an exhibition about the eclectic history of the sheet material which opens on 15 July at the Victoria and Albert Museum – known as the world's leading museum of art and design.

Plywood: Material of the Modern World will run between 15 July and 12 November 2017 and will explore the innovative use of plywood in objects ranging from vehicles to furniture, and from architecture to graphic design - offering a new perspective of this versatile material.

James Latham's unrivalled knowledge and passion for timber, and in particular, its incredible history of selling this product - which began more than two and a half centuries ago – and included supplying plywood for the manufacture of Spitfire aircrafts during World War 2, has close links to the exhibition which includes the story of the fastest and highest-flying aeroplane of WWII, the de Havilland Mosquito.

Other highlights will include a moulded



Moulded Plywood chair designed by Grete Jalk 1963

Latham said: "This exhibition will look at the many different methods of manufacture using plywood and its history, from ancient times to use in today's digital age so it is a perfect fit for James Latham, particularly because of our 260-year history in which time we will have supplied plywood for many of the innovative uses and applications which are being highlighted."

(Images supplied by Victoria & Albert Museum, London)

For further information about James Latham:

www.lathamtimber.co.uk

For further information about the exhibition:

www.vam.ac.uk/exhibitions/plywood-material-of-the-modern-world

2020 to be Acquired by Golden Gate Capital

New ownership provides investment platform for long-term growth.

20-20 Technologies Inc. ("2020") announced that it has entered into a definitive agreement to be acquired by Golden Gate Capital, a leading private equity investment firm. The terms of the transactions were not disclosed.

2020 is a leading global provider of applications, solutions and content for interior space planning, omni-channel retail and furniture manufacturing, delivering an end-to-end solution that offers a compelling alternative to ad hoc integration of multiple source component products. Founded in 1987, the company has developed an unmatched depth of knowledge of interior design and space planning to maintain an unbroken history of market and thought leadership. 2020 customers include many of the world's largest home improvement retailers and manufacturers, as well as tens of thousands of local, independent kitchen and bathroom dealers.

"We are delighted to welcome 2020 into our portfolio," said Rishi Chandna, Managing Director at Golden Gate Capital. "2020 provides the mission-critical solutions that designers, dealers, retailers and manufacturers rely on to create amazing spaces for home and work."

2020 will remain headquartered in Laval (Quebec/Canada) and Westwood (Massachusetts/USA) and will continue to be led by its current senior management team, including Mark Goldstein, Chief Executive Officer.

For further information:
www.2020spaces.com
www.goldengatecap.com

TM Machinery Expands Sales Team

Leicester-based woodworking machinery supplier, TM Machinery Sales Ltd., has expanded its Sales Team with the introduction of Gareth Dean.

Taking on the role of Sales Manager, Gareth will be responsible for new sales generation throughout the UK, whilst working closely with TM's experienced Sales & Service division to maintain a continually high level of aftersales support. Nominated for 'New Salesperson of the Year 2016' in his previous woodworking machinery sales role, Gareth will be based primarily in Oldham, Manchester, whilst regularly visiting new and existing customers onsite.

Matt Pearce, Director at T.M. Machinery Sales Ltd says, "Our confidence in the future of our product portfolio and the sustained growth we have seen since the financial crisis, meant that it was essential for us to increase our capacity. By introducing Gareth at this stage, he will be able to get a sound understanding of the business and have an active role in developing our ongoing sales processes."



Gareth Dean, new Sales Manager at T.M. Machinery Sales

Gareth adds, "I really enjoy selling and TM's machinery range is a salesman's dream. Striebig, Viet and AL-KO are well known brands and companies are enthusiastic to work with them. TM's focus on delivering exceptional aftercare also attracted me to the company. Partnering great machinery brands with ongoing support and servicing makes this role the perfect fit. I can't wait to get stuck in."

For further information:
Tel: 0116 271 7155
www.tmmachinery.co.uk



Edit Stool plywood designed by David and Joni Steiner for Open Desk London 2013 – photo Rory Gardi

plywood leg splint designed by Charles and Ray Eames in 1942, surfboards, and designs for mass-produced US prefabricated housing.

Plywood: Material of the Modern World is co-curated by Christopher Wilk, Keeper of Furniture, Textiles and Fashion at the V&A, and Elizabeth Bisley, Curator in the Department of Furniture, Textiles and Fashion at the V&A. The exhibition brings together significant new research with new acquisitions and objects that have never before been on public display. It will take visitors through plywood's many reputational transformations; from a cheap product that was often hidden or maligned for its inferiority to solid timber, to the material prized by mid-century modernists and by today's flourishing maker movement.

Chris Sutton, Managing Director of James

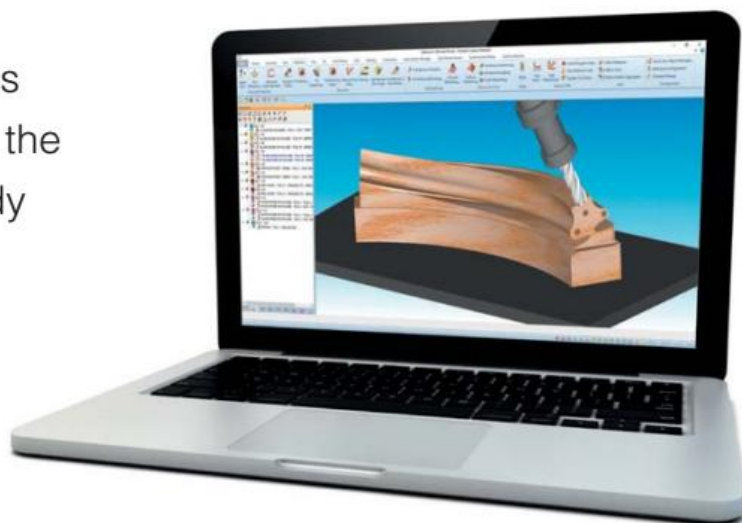


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Brooks Bros Adds Value With Another Weinig

With 60% of its multi-million pound turnover dedicated to added value product, complete timber service provider Brooks Bros has added the latest Weinig Powermat 1500 moulder with Powerlock tooling to its machining operation at its site in Skelmersdale. The installation completes the Weinig Powermat line-up at all four Brooks Bros locations across the UK offering timber processing.

Over the last decade, Brooks Bros has installed 23 machines from Weinig at its manufacturing depots in Danbury, Sewstern, Skelmersdale and Nottingham. Managing director, Mark Fleming said, "We work closely with our customers and see how their businesses evolve. There is an increasing demand for machined and finished timber product - from straightforward planing to intricate mouldings and profiles - and with our latest investments at Skelmersdale including the Weinig Powermat 1500, all our sites are self-sufficient and able to meet the requirements of customers in their region."

In just the last year, Brooks Bros has invested in the new Weinig Unicut P - the latest technology in the proven optimising

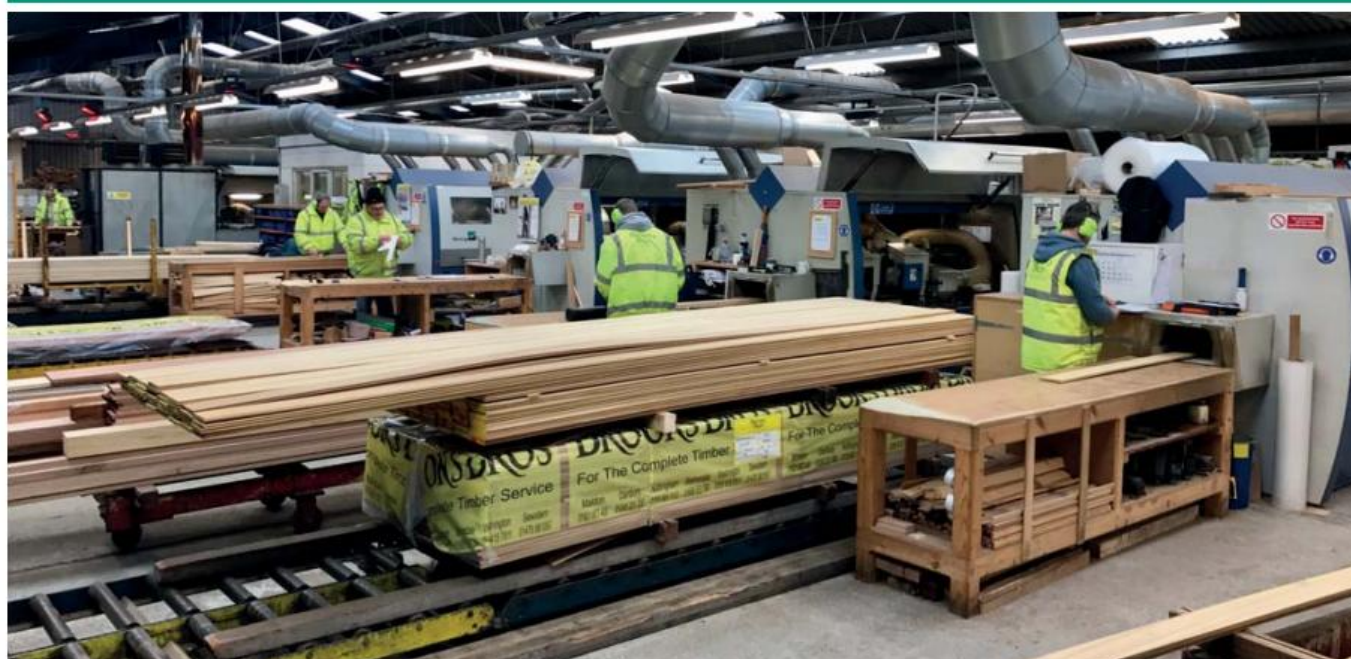
cross-cut saw range and ideal for heavy hardwood sections; a Raimann VarioRip optimising rip saw; a new Rondamat 960 grinder and setting stand, and the Powermat 1500 moulder with Powerlock tooling.

The Powermat 1500 is the flagship moulder of Weinig's new generation of Powermats. Ease of operation is its outstanding feature, with the ComfortSet concept from Weinig enabling significant simplifications and increased efficiency. Numerous settings can be applied tool-free and scales inside the machine help to determine the correct positions. Weinig's Powerlock tooling for the Powermat 1500 enables the machine to run at higher speeds up to 12,000 rpm, doubling the production throughput of a conventional moulder and shortening availability times of product for customers. Weinig's sales representatives Steve Cracknell and Simon Bridge have supported Brooks Bros for many years, tailoring machine requirements to the company's needs and providing full support.

Brooks Bros has invested in Weinig products so they can respond to customers' needs quickly with fast setting times and running speeds, which gives a particularly

good finish on hardwood mouldings. Mark Fleming said, "The dynamics are changing within the industry. Customers no longer need to process timber, they want machined products and they buy from us. With the ability for short runs for small joinery firms to full scale production, we take on the responsibility of processing timber product and offer much more than just timber distribution. Our customers, the doorset industry in particular, demand very quick service of the highest quality and accuracy which, with the help of Weinig technology and machinery, Brooks Bros delivers."

Brooks Bros' experienced machinists like using Weinig machines, citing their user friendliness, ease of use and speed of setting. Mark Fleming continued, "Weinig machines are the best in the world. The amount of work we put through is relentless. Our Weinig moulders process hardwood day in, day out, six days a week. The reliability of the machines and the reassurance of working with Weinig is not just nice to have; it is a necessity." Every Brooks Bros site has Weinig Powermat moulders specified for more intricate mouldings and groove profiles for windows



Weinig moulder line at Brooks Bros in Danbury



The Weinig Powermat 1500 in action

and doors: "We wonder how we managed without them."

Brooks Bros reputation for high quality, carefully packaged and timely delivered product makes for happy, loyal customers, and investment in Brooks Bros is good news for them. "Brooks Bros' machining quality, capacity, manufacturing, and excellent finishing gives our customers significant added value," said Mark Fleming. "We take on complex, difficult and demanding jobs and get it right. We have demanding

customers who require fully finished, perfect product, and even though we say so ourselves, we are good at it. The fantastic quality and productivity we get from Weinig to maintain and improve levels of service makes it an easy decision to install the latest Weinig Powermat moulders and upgrade what remaining other machines we have to the Powermats."

Brooks Bros is sending its key machinists on Weinig's advanced training course for tool room operatives at Weinig UK's new

showroom and centre of excellence in Abingdon, and senior production managers from Brooks Bros will once again be visiting Weinig's global headquarters and machine production facility at Tauberbischofsheim, near Frankfurt in Germany, later in the Spring.

Malcolm Cuthbertson, managing director of Weinig UK said, "With our shared ethos that 'only the best will do', Weinig UK has developed a strong relationship with Brooks Bros over the years and it really is a perfect partnership. Decades of Weinig's wood processing experience and adoption of new technology have influenced the development of the new generation of Powermat moulders. This is an exceptional state of the art machine which offers outstanding ease of use and helps maximise productivity for our customers."



The Weinig Powermat 1500 moulder

For further information:
Brooks Bros:
www.brookstimber.com

Weinig:
Tel: 01235 557600
Email: sales@weinig.co.uk
www.weinig.co.uk

CASE STUDY - EDGBANDERS

Mathews Kitchens Ltd Increase Edging Capacity With The HOMAG Ambition 2274

For those involved in the contract furnishing markets, the importance of being able to consistently produce high quality panel products to tight time frames is paramount. By their nature, large contract jobs demand specific delivery deadlines and often come with heavy penalty clauses for late supply. That's why more and more manufacturers are turning to top end, technically advanced German woodworking machinery they can rely on one hundred percent.

"Our guiding principle is the first-class quality and finish of all our work," claims Bernard Mathews, managing director at Mathews Kitchens Ltd in Dunleer, Ireland. He continues, "Five years ago we expanded

our manufacturing into the contract office furniture market, the demands of which are completely different to those of the bespoke kitchen and bedroom furniture industry that was the foundation of our business.

"To compete in the contract office furniture market you need machinery that can produce large volumes of panels quickly, but without compromising the quality of the finish or the strength of edge bonding.

"We have been a customer of HOMAG for over 20 years and have invested in a HOLZMA beam saw, a flat-bed WEEKE CNC, a HOMAG BAZ CNC and a WEEKE BHX 050 routing and drilling unit. So, when we were looking for a new

edgebander that would meet stringent production demands, we naturally talked to them first."

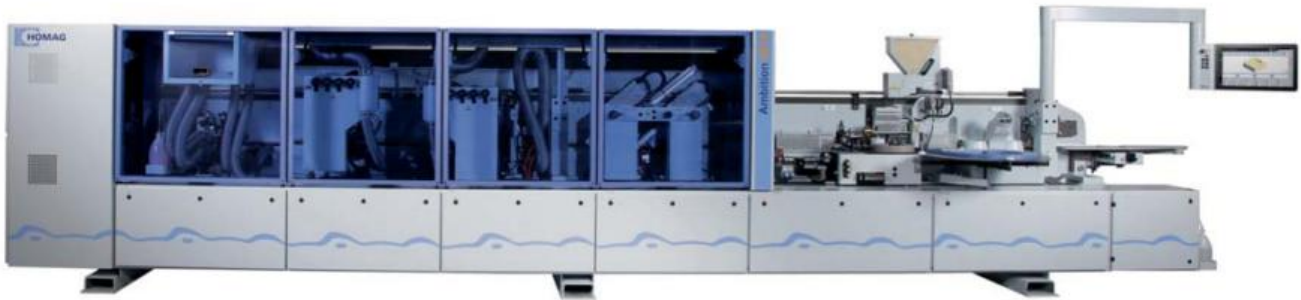
First-class service and knowledgeable advice

"Derek Reid is the area manager in Ireland for HOMAG and over the years we have come to trust and highly value his opinions. When we discussed our plans with Derek he came back with a couple of options that would meet our goals. After carrying out our own research and seeing the HOMAG Ambition 2274 in action, it was clear to us that this was the machine that would meet all the production demands of our business.



Boomerang return system on Mathews Kitchens Ltd edgebander

CASE STUDY - EDGBANDERS



HOMAG Ambition 2274 – fast edgebanding processing with strong PU adhesive

“It certainly wasn’t the cheapest option but, when we’d added the solid wood edging package and boomerang return system, we knew it was the right solution to give us a real advantage over our competition.”

A bold decision that has more than paid off

“The Ambition 2274 uses PU gluing which not only gives the panels a very clean gluing line, but also provides a much stronger adhesion to the panel over the traditional hot melt solution with the added advantage of very high water repellence.

“The speed of the machine is impressive too. Our previous edgebander gave us great results at 11m per minute, but the Ambition 2274 more than doubles our capacity. It will happily run at 25 metres per minute and yet the finish quality is absolutely superb, whether we are producing 10 or 100+ panels.

“Our decision to purchase the HOMAG Ambition 2274 was made on performance, not price and I am so glad we took that bold choice. If we’d have gone for a cheaper option, it would not have been able to cope with the high volumes of work we have put through the 2274.”

German efficiency backed by a professional team in the UK

“As you would expect from a leading German company, the installation process was completed with military precision. We were given a 12 week lead-time for the installation and everything happened on the precise date and time set-out in that original schedule.

“It was very impressive and made liaising with the extraction, electrical and other contractors very easy. On the third and fourth days of the installation schedule, HOMAG’s Alec Workman trained our staff on the machine and, after just a couple of weeks, we were enjoying production capacity benefits of at least 30 percent. HOMAG’s powerTouch touchscreen controller makes operating the machine easy and the resetting of the machine for different jobs is quick, reliable and very accurate.

“It has enabled us to compete for and win significantly bigger contracts because we are absolutely confident we can produce the quality and yet still deliver on time. The machine has allowed us to attract new customers, many of whom are stipulating the use of PU gluing which, of course, the Ambition 2274 provides.

“Since installing the Ambition 2274, we’ve pushed it to its limits; despite this, it

hasn’t let us down once. Over the years, HOMAG has always been there when we need them, so we know that even if we do have an issue it will be fixed quickly. The service they provide overall is superb and even the HOMAG Finance package they negotiated for us was cheaper than our own bank could offer,” enthuses Bernard Mathews.

If you would like more information or a demonstration of the HOMAG Ambition 2274 edgebander, please contact Adele Hunt at HOMAG on 01332 856424.

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Email: info-uk@homag.com
www.homag.com

CASE STUDY - EDGBANDERS

Orchard Kitchens & Woodcraft Joinery Ltd Select The BRANDT Ambition 1230 Airtec Edgebander For Zero-Joint Technology Solution

Unless you've been on a desert island for the last couple of years, you will have heard a lot about zero-joint technology in the woodworking industry. Naturally, as with any new technology, there has been much discussion around the zero-joint concept. Those who have taken the plunge and invested in this new edgebanding technology, however, are reaping the rewards of improved finish quality and lower costs whilst at the same time attracting new customers.

"Our old edgebander was coming to the end of its life," explains Paul Connett, managing director at Ilkeston based Orchard Kitchens. He continues, "We were looking for a like-for-like replacement, but when we saw the results from the BRANDT Ambition 1230 airTec machine, it changed our thinking and we knew zero-joint

technology was the way forward.

"With a turnover of around £1 million, our business is towards the entry level end of the market. The Ambition 1230 airTec, however, is an affordable edgebander which, because it features airTec zero-joint technology, gives us the ability to compete with the big boys in the industry.

"The BRANDT delivers first class results every time and the airTec system which joins the edge and the panel without adhesive, using hot air, gives an incredibly tight 'invisible' joint.

"Prior to investing in the Ambition 1230 airTec, we had to buy in gloss doors and therefore couldn't compete on price with the mass producers. Now we make our own Pride range of gloss doors and have recently won a contract for 36 flats, something we could not have contemplated

prior to getting the BRANDT machine.

"It saves us so much time and money. Not only is it about 50% faster than our old edgebander, but also the finish is so much better. It requires no manual cleaning of the edges and is saving us a fortune in finishing, allowing us to compete with large manufacturers like Howdens and Magnet for kitchen contracts with builders and developers. This is the first machine we have bought from HOMAG UK and it certainly won't be the last," claims Paul Connett.

High performance with cost efficiency

Echoing the HOMAG Group's philosophy of being innovators, BRANDT was the pioneer for airTec technology, being the first company to market a zero-joint



BRANDT Ambition 1230 at Orchard Kitchens

CASE STUDY - EDGBANDERS

edging machine.

The compact BRANDT Ambition 1230 airTec model is fully equipped with pre-milling, a heavy duty pressure zone for coil and strip materials, front and rear end trim saws, top and bottom trimming and profiling units and a corner rounding unit to provide complete panel processing. With the Ambition 1230 airTec, the need for hand finishing is eliminated because it has a profile scraper, a glue joint scraper and a buffing unit.

Another attraction of the BRANDT is the intuitive easyTouch control system with its user oriented menu structure. It features a clearly arranged 7" graphic display with simple touch screen operation. The easyTouch controller has supporting functions that are simple and easy to access. The logging of production data, the selection of programmes or the glue temperature can be quickly checked on the 7" display.

With the ever increasing diversity of edge materials, manufacturers need a highly flexible machine with rapid edge-changing capabilities. The easyTouch control system makes it possible to adapt the range of operations to meet customers' specific requirements and save the programs for instant call up.

Woodcraft Joinery Ltd chooses airTec solution

Based in Brierley Hill, Woodcraft Joinery Ltd is a specialist contracting refurbishment, shop fitting, joinery and bespoke manufacturer. Production manager, Jack Cooper, outlines why Woodcraft invested in the BRANDT Ambition 1230 airTec solution: "Our edgebander was 14 years old and we wanted to get a replacement that produced seamless edges.

"We drew up a short-list of potential suppliers, but in the final analysis it was our previous experience with HOMAG UK that won the day. The WEEKE Vantage 43 CNC machine we purchased from HOMAG UK six years ago had proved to be a cost effective, high quality machine and the company's aftersales service was first class.

"As a consequence, we decided to invest in the airTec edgebander at W16. We went



BRANDT Ambition 1230 airTec delivers 30% savings for Woodcraft Joinery Ltd

for the model with the PU hot melt option as we wanted to be able to process real wood edging. Although we have only had the machine for a few months, it is already proving to be an essential addition to our plant list.

"When the panels come off the machine, they are totally clean and so there is no need for manual finishing, the edges are perfect and good to go. I would estimate that this new machine is giving us a saving of at least 30% already and I'm sure there is more to come as we begin to exploit the full capability of the edgebander," concludes Jack Cooper.

The Ambition 1230 airTec can handle edge tape thickness from 0.4mm to 3mm and solid wood up to 6mm; it also has a panel thickness capability of 8 – 60mm.

Overall, the 1230 airTec is a real work horse which will consistently deliver first class results.

All this, coupled with HOMAG's flexible finance packages, brings high end technology and invisible joints within reach of the smaller manufacturer.

If you would like more information or a demonstration of the BRANDT Ambition 1230 airTec, please contact Adele Hunt at HOMAG UK on 01332 856424.

For further information:
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www.homag.com

CASE STUDY - EDGBANDERS

Kings Oak Make The Right Decision With Felder

Kings Oak is based on a family tradition of first class craftsmanship and excellent customer service. The company was established in 1983 by brothers-in-law David Barnett and Eddie Goodchild. Their committed approach to providing clients with creatively designed, precision crafted and visually beautiful kitchens, bedrooms, bathrooms and more has been a central part of their company ethos from the start. Beautiful products alongside outstanding

customer service at Kings Oak is fundamental to every aspect of each of the company's ranges.

Since becoming the owner and managing director, Paul, David's son, has continued in this tradition and the Kings Oak reputation is stronger than ever with the support of craftspeople who excel in the creation of traditionally built, time resistant products. Paul knows how important it is to deliver the dream his clients have of their



The G360 Edgebander installed at Kings Oak



The K700S sliding table saw installed at Kings Oak



Part of a kitchen produced by Kings Oak

perfect kitchen or bedroom, bathroom or children's room, home office or media den.

Paul is proud of the high standards and attention to detail that his team are able to achieve. He credits this to the experience of his staff and the quality machinery that his company utilises. Back in 2015 Paul decided to purchase a G360 edgebander and a K700S sliding table saw from the FELDER range. He commented "Upgrading to FELDER's G360 has increased the speed and efficiency of our work, but more importantly the quality of our finish. They were the only company able to offer a premilling unit in that size of machine", he added "FELDER gave me the time I need to make the right decision to help grow my business, and after visiting their exhibition stand W12 and in house show I knew the G360 was the edgebander we needed."

For further information:
Tel: 01908 635 000
www.felder-group.co.uk

CEHISA - Perfect Fit for Intrafit

A new CEHISA Pro-12 edgebander from leading distributors Daltons Wadkin has increased product quality and workflow efficiency at Somerset based Intrafit.

Founded in 2000, Intrafit specialises in the design, manufacture and installation of custom cabinetry for dental and medical establishments. The company has built a strong reputation for delivering the highest quality products using superior grade components built by experienced craftsmen. 17 years on and the company is expanding into kitchen manufacturing, now accounting for some 25% of the production.

Director Hugh Boswell and his team visited the W16 exhibition to vet possible replacements for their existing edgebander. 'We needed to produce a higher quality edged door than we could produce on our existing edgebander. We went to the W16 show with an open mind. After looking at several machines we narrowed it down to the CEHISA and two others', comments Hugh. 'When we looked into the finer details, build quality and general effectiveness the CEHISA fitted the bill perfectly'.

'We mainly use EVA glue switching between white and black colours depending on the job', Hugh continues. 'It was essential that we could quickly and efficiently swap between colours without having to spend hours purging the glue pot of the old glue colour - a particular problem when going from black to white glue.'

The CEHISA Pro-12 was supplied with two DUO-MELT glue pots, each capable of operating with EVA or PUR glue. One is kept for white adhesive the other for darker colours. Swapping the pots takes just 15 minutes. Set up for short runs or replacement panels can now be done quickly, reacting to site demands keeping the installation on schedule.

The unique DUO-MELT unit developed by CEHISA offers a number of advantages over traditional units. Alex Dalton of Daltons Wadkin explains, 'The main



The new CEHISA Pro-12 edgebander installed at Intrafit

advantage of the DUO-MELT is the ability to quickly and easily swap between EVA and PUR adhesive using the same glue pot. A quick drain function empties the contents of the pot in a just a few minutes before the next glue type can be added'.

Of course the CEHISA Pro-12 offers far more advantages beyond the glue pot. Working with coiled edging from 0.4 to 3mm, and solid edging up to 8mm, the Pro-12 is equipped with pre-milling, end trimming, top and bottom trimming, corner rounding, radius scrapers, glue scrapers and buffing unit.

The corner rounding unit features separate working heads for the top and bottom corners for a superior finish even at higher feed speeds.

An intuitive 10" touch screen control provides the operator with quick access for setting the powered rise and fall (for panel thicknesses between 8 and 60mm), engagement of working units, fault diagnostics and more.

For ultimate efficiency the CEHISA Pro range offers optional automatic setting between either 2 or 5 pre-set tape thicknesses. The operator can switch between saved programmes using the

touch screen and the machine automatically sets the working units.

'We have been operating the CEHISA for around 5 months now. Before the CEHISA we had to spend a significant amount of time finishing the doors by hand. Now, the product comes off the CEHISA and it is ready to fit', enthuses Hugh. 'It has streamlined our production and assembly area completely'.

You can see the CEHISA range of models, including the Pro-12, on demonstration at the Daltons Wadkin purpose built showroom in Nottingham.

For further information:
Tel: 0115 986 5201
Email: info@daltonswadkin.com
www.daltonswadkin.com

See the video of the Intrafit installation and an interview with Hugh Boswell on the Daltons Wadkin YouTube channel
www.youtube.com/user/DaltonsWadkin

LIGNA Buoyed By Business Climate, New Thematic Layout And Digitalization

Total display area jumps to 128,000 square meters

The world's leading trade fair for machinery, plant and tools for the woodworking and timber processing industries – opens in just a few weeks. Over five days, from 22 to 26 May, 1,500 exhibitors from 49 nations will use the show to present a wealth of amazing innovations.

"Given the current business climate in the wood industry, the growing wave of digitalization and our revamped thematic layout, we are looking forward to a very successful LIGNA this year," commented Christian Pfeiffer, Global Director LIGNA and Woodworking Events at Deutsche Messe. "The show has experienced the first significant rise in booked space in several years, and we have already outstripped the final figures for the most recent staging of LIGNA, in 2015. LIGNA 2017 will occupy 128,000 square meters (over 1,377,700 sq. ft.) of display space. And it will profile products and solutions in the display categories of Tools and Machinery for

Custom and Mass Production, Surface Technology, Wood Based Panel Production, Sawmill Technology, Energy from Wood, Machine Components and Automation Technology, and Forestry Technology – all intelligently grouped in a new technology-centric layout. The revamped layout has been extremely well received by our exhibitors and has triggered a significant upswing in rented space. A key change in 2017 is that the hall layout is more in keeping with the technological convergence between small woodworking workshops and large industrial processors," explained Pfeiffer. "Visitors can expect a wealth of innovations and a world-unique lineup of machines and complex plant and equipment, including live demonstrations. There's also a supporting program of conferences and forums in which luminaries of the woodworking and timber processing industries will present and debate future-defining trends," he added.

LIGNA's organizers, Deutsche Messe and the German Woodworking Machinery Manufacturers' Association, owe their upbeat mood to the dynamism of the technology landscape, as expressed in the show's new layout, the upswing experienced by the wood industry in many parts of the world and, not least, the growing tide of digitalization. Integrated manufacturing and digitalization are transforming the machines, systems and tools used in the woodworking and timber processing industries.

Industry 4.0, the Internet of Things, Smart Factory: These are the keynote themes of LIGNA 2017. They are the names and faces of a new generation of technologies that will empower users of all types to achieve greater efficiency and productivity and become more competitive.

For further information:
www.ligna.de

Striebig On Show At Ligna

Vertical sawing facilitates more than just the sizing cut of wood-based materials. This year, Striebig's Ligna stand will showcase this concept for itself and focus on the brands 'diversity.'

As well as presenting brand new innovations that are yet to be announced, the stand will also feature Striebig's comprehensive range of vertical panel saws and customised solutions, highlighting the company's ability to supply sawing solutions for the most demanding of projects.

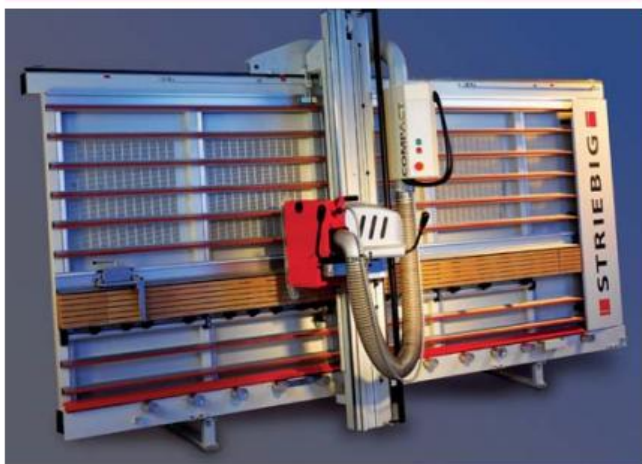
Sitting alongside the Compact, Control and Striebig 4D, Striebig will also be displaying optional equipment available to its customers. This will include the VSA scoring saw unit - a must for extending the service life of your saw blade and for ensuring damage to

the edges is prevented – and Striebig's grooving accessory (NVV) which enables hassle-free grooving and routing work to be performed on the vertical panel saw.

Live demonstrations will also be taking place using a variety of panel materials in a range of sizes and thicknesses. Engineers and technical salesmen will also be on the stand to assist you further.

Ligna will be taking place at the Deutsche Messe Hannover from the 22nd – 26th May 2017.

For further information on Striebig and its exclusive UK distributor, TM Machinery Sales Ltd:
Tel: 0116 271 7155
Email: sales@tmservices.co.uk
www.tmmachinery.co.uk
Ligna Stand: Hall 12, Stand B29.



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SCM Group at Ligna 2017

Boasting a double-digit growth over the last two years and fast-selling new models, SCM Group participates in Ligna 2017 as a solid Group that has great confidence in the future of the entire industry.

As a world industry leader, SCM Group is getting ready for the event knowing full well that – thanks to the high technological level it has reached – it is more than able to offer its clients applicable "Industry 4.0" solutions. Practical solutions made possible by an ever growing data collection and analysis, to facilitate greater control over production quality and quantity, from technological and IT development of individual machines to improving their ability to operate in cells and cell systems.

Specifically, at Ligna 2017, on its enormous stand in Hall 13, the Group will display a cell system combined with robot, able to provide a concrete implementation of the "mass customisation" concept, all in order to meet all customer-specific needs, while maintaining the advantages of industrial production.

SCM Group is to present some outstanding new solutions, starting from an interface with an innovative and stunning "multi-touch" system, with a 21-inch display and a new graphic look which makes preparation work, production control and diversification easy and safe for operators.

And regarding software specifically, SCM Group has completed a major "upgrade" of its Maestro suite. Excellent results have been achieved with beam saws using the new system optimiser, allowing an 80% reduction in computation time and 40-50% reduction in waste. The Watch system supervisor will demonstrate its great capabilities running by itself the cell system on view at Ligna 2017.

In general, the SCM Group software suites are designed as open systems that can operate with any type of machine, allowing total control over every machine

function, while being easy and intuitive to use by any operator.

SCM Group is to present more than sixty products out of its wide range, able to meet the needs of any type of company, from small local carpentry shop to large multinational corporations. In particular, following their extraordinary success during the Open House event, held at the beginning of the year in the Group's headquarters in Rimini, Italy, the new Morbidelli Author M100 and M200 machining centres will be presented, ready to start the "AuthoR-Evolution", along with additional new products shown in a world premiere and various other "upgrades" of the entire product line.

This year's edition of Ligna comes at a particularly happy moment for SCM Group, whose 2016 revenues came to nearly 600 million euros, up from 513 million in 2015 and 466 million in 2014. Four-hundred million out of the 600 million total came from the woodworking industry. Exports account for a major part of SCM Group's market share, but the Italian domestic market has shown an impressive recovery.

The Group, with its network of subsidiaries and distributors spread around the world, boasts a total of over 300,000 square metres of production floor area and about 3,300 employees.

SCM Group is to present a cell system that meets the needs for customised industrial production, implementing Industry 4.0 concepts.

The chosen practical example is a cell system that produces furniture parts. The system's capacity is approximately 8-10 sets per shift. It is an automated system, where control over the entire process – from raw panels to the finished piece – is absolute. It is a solution that stands out for its low operational costs, as it requires only a single operator; its minimum handling requirements, thus preventing production defects; and its "lean" flow, with no

interruptions, bottlenecks and extraordinary maintenance.

It is a system that ensures high quality at low costs, extremely easy to run, even by an unskilled operator, and provides smart solutions, capable of producing a great variety of pieces, from the mass production of panels ready to be assembled to the "batch one" production. All thanks to the use of standard machines, totally reliable, high-performing and easy to use and configure.

The cell system includes the Flexstore EL standard panels storage system. The storage system receives orders digitally and production starts automatically. The Flexstore EL storage system consists in fact of two units that operate simultaneously. For high-capacity production of panels the SCM Sigma 67 panel-saw is put into use to cut packs of panels. For the production of more complex parts, the SCM Pratis S CNC machining centre with nesting capabilities is used. This line is controlled by a robot which, aided by a software-controlled camera, picks up the nested panel and transfers it to the Solution XD Edgebander. Thanks to its automated changeover capabilities, the Solution XD can edgeband as many edges as required ensuring unparalleled quality. Upon exiting the edgebander, the panel is transferred, again by the robot, to the Cyflex HP drilling centre to complete the production process of the required piece. The process concludes with the panels exiting along roller conveyors ready to be delivered to the customer.

This entire process is run by the Watch software supervisor, which oversees all production phases from the issuing of the order to distributing the proper programmes to the machines. The Watch supervision system, a typical Industry 4.0 element, is designed to be "open" to customers' ERP (Enterprise Resource Planning) data systems.

This is a simple and functional solution made possible thanks to the use of an high-tech application that allows you to calculate exact flows and processing times, ensuring a fast and reliable return on investment. This cell system fully satisfies the OEE (Overall Equipment Efficiency) specifications.

With this cell system, SCM Group provides an industrial solution to the problem of customised production, meeting the needs of companies that are required to supply customised products, in a short time, with a limited number of operators available and with low production costs.

SCM Group is to exhibit a large part of its products, from cell systems to classic machines, with plenty of new and "upgraded" products. For the first time we have chosen a single large stand to display our entire collection, in order to demonstrate the Group's strength.

Will be utilized an effective multimedia system which, using two large video walls (6x3.40m), offers a virtual view of machines and their technologies. Visitors, therefore, can benefit from this system to actually view the machines from "inside" them. A virtual experience that exceeds the actual one, providing an additional advantage to customers.

PANEL PROCESSING TECHNOLOGIES

MACHINING AND DRILLING CENTRES: On view for the first time at the German trade fair will be also the Morbidelli Author M100 and M200 machining centres, which have enjoyed great market success since their introduction. These are two machining centres featuring "all-in-one technology" which offers companies of all sizes all that is necessary for the processing of wood and advanced materials. A focus of great interest has been the ability to ensure safety without perimetral protections around these machining centres, which reduces the

required floor area, in addition to the extremely flexible worktable, fast tool change (less than 15 seconds) and a 14-position tools store system mounted directly on the mobile unit.

Eagerly awaited are also the brand new boring-milling and edging machining centres. This section includes the Morbidelli Planet P800 machining centre designed for the furniture industry to perform drilling, milling and edgebanding, and the Morbidelli Cyflex S CNC drilling centre, with its reduced size and ability to perform also sawing and milling.

EDGEBOARDING: There are plenty of new products in this field, beginning with the new Stefani Easy Order SZ cell, which combines – in a moderately priced single-sided single-operator edgebander – Batch One processing with measuring and tenoning-squaring.

Also eagerly awaited, among edgebanders with integrated handles, is the Stefani J-Shape Solution, based on an innovative technology that won the 2016 Xia-Xylexpo innovation award in the "Panel Processing" category. A technology that has opened the door to amazing prospects in the field of furniture design and use.

And regarding the subject of contemporary materials, combined with a top-quality finish, Stefani presents the wide range of XD Solutions.

Also on view at Ligna in its market debut is the new Stefani range of machines for new market segments, offering the possibility of using EVA and polyurethane glues with double pre-melters, and automatic machine adjustments with numerically controlled axes. Olympic machines will be represented by new combinations intended for broad market segments, offering numerically controlled axes hence allowing machining of two different radii. It is worth noting that at Ligna the Olympic range of machines will be presented with a new design following a thorough restyling.

PANEL SIZING: Turning to beam saws, there are great expectations to see the new operator's interface. All machines will come with a 21-inch "multi-touch" screen which will facilitate and

simplify the operator's work using software programmes that ensure total connection freedom. Here too we are in full compliance with "industry 4.0" principles. The SCM Sigma Prima and Gabbiani



Galaxy 125 beam saws with loading table will demonstrate how the Group has successfully implemented its high technology even in more accessible models. Of great interest is also the use of web cams within machines to facilitate remote assistance. "Bar coding" is to be demonstrated as well, facilitating the storing of materials that can be later reused, in order to reduce waste. The third beam saw to be displayed is intended for cutting plastics and aluminium, with all specific devices required for processing such materials.

SANDING: In the field of calibrating and sanding, DMC will present EuroSystem, the new muscular model fit for companies of all sizes and designed to provide an array of diversified solutions using high technology and modular devices, which allow a great number of configurations.

Also on view will be the top of DMC product range, with three System sanders, which can meet every possible need: from calibrating and sanding to surface customisation, with their innovative technological units that help achieve countless finishing effects, such as saw blade marks and carving effects.

SOLID WOOD PROCESSING TECHNOLOGIES

MACHINING CENTRES: The main novelty in this sector is represented by the numerically controlled SCM Accord 25 FX machining centre, which comes with a new operating unit with an "on-board" tool changer and dual independent Z-axis. High technology is used also in the SCM Accord 50 FX, a 5-axis machining centre designed for multiple and innovative applications and thus granting the freedom to process workpieces up to 500 mm high and made of various materials: solid wood, plastics, composites, resins and light alloys.

DOOR AND WINDOW FRAME SOLUTIONS: Also on display at Ligna will be the SCM Accord WD, the flexible





machining cell used in the production of door and window frames, and which, being fully automated, does not require the constant presence of an operator. Completing the collection is the SCM Superset NT throughfeed moulder, in a 7 heads composition and with new electronic control.

TIMBER FRAME AND SIP

MACHINING CENTRES: For the wood construction industry, SCM Group will exhibit the 6-axis Routech Oikos machining centre, used for processing structural beams and wood elements of modular walls and a must-have for companies in this industry. Oikos can perform complex machining of beams with the kind of high precision offered only by numerically controlled machining centres. It also comes with a software application that allows intuitive programming for processing the most complex workpieces. Finally, this machining centre is compact, with reduced footprint as compared to other solutions available on the market.

MACHINING CENTRES FOR ADVANCED SOLUTIONS

Also on view in the huge space in Hall 13 will be a large section dedicated to high-tech CMS products, including three machining centres.

Atom is a 5-axis mobile gantry machining centre offering an exceptional dynamic movement to ensure high productivity. Its advanced structural design ensures no vibrations and excellent finishing quality. Atom can be used for producing all kinds of

furniture. With its ability to work with composite materials, it is being used also in the aerospace and in automotive industries. Noteworthy is the fact that this machine integrates CMS Adaptive Technology, which allows operators to obtain optimal parameters of surface material removal by simply setting the appropriate mapping according to material type and surface type. Adaptive Technology greatly reduces cycle times machining complex surfaces, without compromising finishing quality and accuracy.

Also on show in Hanover will be Monofast, a CMS exclusive and winning solution for automated production of complex objects such as gunstocks, pistol grips, eyewear and other small objects. Some space will be given to the TurboPower innovative array of gantry-type machining centres, offering high flexibility in performing a wide variety of ever more complex processes in the woodworking industry. The machines' compact size poses no limits on their power but facilitates worktable handling when changing machining types. TurboPower is perfectly suitable for any furniture production sector, as well as for the production of stairs and musical instruments.

MACHINES FOR SMALL CARPENTRY SHOPS

A large space within Hall 13 is set aside for machines for small and medium sized companies. In this case as well, SCM Group introduces new products. The spotlight will be on the new Minimax Si

400 X circular saw with tilting blade. To be unveiled for the first time is also the Minimax ME40 edgebander which accepts all finishing units and runs at high speeds ensuring productivity levels that are uncommon among machines intended for craftsmen and small carpentry shops. Large space will be given to the entire range of the classic Invincible machines. SCM Group strongly believes that in this specific sector customers must be treated as equals, be encouraged to interact with the company and offer comments and suggestions for improving the machines and adding optional parts for special processes. A type of relationship that SCM Group wishes to build up with additional initiatives.

SURFACE TREATMENT

Superfici machinery will be displayed in Hall 16 at the Ligna 2017 fair, offering advanced solutions for painting panels, furniture parts and window and door frames, and focusing on flexibility and the use of latest-generation painting cycles. Heading the collection is Bravorobot, a painting robot system with a three-dimensional control of workpieces, for quality spraying of panels and even of custom shapes and complex edges. The Maestro robot is a first-rate complete solution for painting door and window frames. Especially noteworthy are the UV Led Matrix systems, marking the new frontier of UV curing, a smart choice in terms of energy consumption savings.

HIGHLIGHTING THE ENTIRE PRODUCT LINES

In addition to the new products and models presented at Ligna 2017, you can learn, at Hall 13, about all the Group's product lines, including Cpc and SCM assembly and packaging systems and Mahros handling and automation solutions. Also on view will be Celaschi tenoning- squaring machines, the SCM planers-moulders range and the Sergiani presses. SCM Group Engineering solutions for producing parquet, panels, insulated panels and doors will be presented as well.

LIGNA HALL 13
For further information:
Tel: 0115 9770044
www.scmgroup-uk.com

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The specialists in the wood industry

Tool Sharpening For The Woodworking Industry

In line with their motto 'Dialogue on Precision', the sharpening specialist VOLLMER will present its range of products and services at this year's Ligna woodworking trade fair. On stand B60 in Hall 27, the Swabian business will show off their grinding and eroding machines that are designed to sharpen circular, band and gang saws as well as rotary tools.

From 22nd to 26th May 2017, visitors to the trade fair will be able to get a closer look at the new VOLLMER CC 355 production system for circular saws. In addition, the modified QXD 250 eroding machine for PCD-tipped rotary tools and the VGrind 360 grinding machine for carbide tools will be on display in Hanover. These machines are used by furniture makers, wood material manufacturers and sharpening services.



With the Vgrind 360 grinding machine for carbide tools, VOLLMER has brought the next generation of grinding machines to a series production



Universal genius in eroding the QXD 250 disc erosion machine is used to machine PCD-tipped tools



The VOLLMER CC355 production system machines carbide-tipped saws in a single working cycle using three machining stations

VOLLMER at Ligna 2017

Whether you are looking for circular, band and gang saws or rotary tools, the VOLLMER stand B60 in Hall 27 at Ligna will present efficient complete solutions for machining both saws and tools for the woodworking industry. The new CC 355 production system is suitable for manufacturers of carbide-tipped circular saws for use in wood cutting. The CC 355 enables large numbers of circular saw blades to be fully sharpened – including all tooth faces, tooth tops and side angles – in a single working cycle. Four grip arms automatically carry the saw blades, which can range from 150 to 355mm in diameter, from the loading system to the three machining stations.

The CP 650 sharpening machine will also be on show in Hanover. It is suitable for sharpening tooth faces and tooth tops on carbide-tipped circular saw blades between 80 and 650 millimetres in diameter. What's more, VOLLMER will be available to provide information about other machines that can be used for sharpening services or in filing rooms at sawmills.

Sharpening carbide-tipped tools

The VGrind 360 grinding machine is suitable for machining carbide tools such as drills and milling cutters that are used in timber construction and furniture building. Thanks to two vertically positioned spindles, the VGrind 360 machines and finishes rotary tools in large quantities quickly and precisely.

Its enhanced travel distances enable carbide-tipped steel bodies up to a diameter of 200 millimetres to be machined, depending on their geometry. With the VGrind 360, VOLLMER provides tool manufacturers around the world with solutions for rotary workpieces of varying geometries.

Diamond-tipped tools that feature polycrystalline diamond (PCD) are vitally important in the production of wood and composite materials. VOLLMER provides PCD tool manufacturers with a range of eroding machines at the exhibition, showing the QXD 250 disc erosion machine at the show in Hanover. Thanks to its modified generator and expanded program functionalities, it enables more efficient, quicker and more precise machining. With the HC 5 pallet circulation magazine, the QXD 250 can be expanded by up to 28 workpiece positions.

"The Ligna trade fair is an excellent forum for us to speak with representatives from the woodworking industry," says Dr Stefan Brand, CEO of VOLLMER in Biberach. "Alongside our sharpening machines, we are demonstrating our wide range of services that are tailored to meet the needs of our customers and they range from training and financing schemes to maintenance and repair."

For further information:
<https://www.facebook.com/vollmergroup>

imos Is Not Only Presenting The New Software Version At Ligna

imos will show itself from a new side at LIGNA 2017. In addition to the new software version, which is published every two years at Ligna, imos will be presenting further innovations this year. Whilst for imos Ligna 2015 was under the motto "inspire and produce", this year the focus is on new technologies for the wood industry. imos AG is inspired by current trends and technologies and incorporates them into its system solutions. The constant technological change will therefore also be reflected in the naming of the new software version and in the current exhibition stand concept. The imos vision, to optimize the

entire process of the end customer to the machine, is gaining more and more contour. In addition, many improvements and innovations are available in the individual product groups CAD, CAM, NET and 360 as well as in the handling.

imos is VR-ready!

New business models are being developed through virtual and augmented reality which imos has implemented on the market. For the first time, imos will be presenting how end customers and users can be integrated into these processes at the upcoming Ligna.



New technologies: Plunge into the world of virtual reality with imos.

For further information:
Tel: 0049 5221 976 164
HALL: 15
STAND: G47

Biesse Group Acquires Avant: Investments In The Creation Of Digital Factories Continue

Biesse Group, a multinational corporation that operates within the sector of machinery and systems for processing wood, glass, stone and composite materials, and is listed in the STAR segment of the Italian stock exchange, has acquired control of Avant, a company specialized in the development of software for the integration and supervision of machining lines and working cells. Avant's applications are able to automatically manage all the information of the manufacturing process, from cutting to edgebanding to boring operations and, in recent years, sorting as well, the backbone of any batch-one production system.

Biesse Group boasts more than 1000 systems installed worldwide, with a 170% increase in systems installed in the past 3 years. An undeniable achievement that confirms the reliability of Biesse's technology and the competence of the team in charge of the design and development of ready-made factories and of the integration of existing solutions with complementary software and machinery. Thanks to the

innovative technology used by Biesse Group and Avant, real-time tracking and management systems have been developed which, with specifically generated reports, allow the client to have total control over the manufacturing process, with a resulting increase in production efficiency of over 90%.

This is all possible thanks also to the choice of outstanding suppliers, like the 20-year partnership with Avant, which is now more strategic than ever, in line with the Group's desire to present itself as a full liner and main contractor. "It is a strategic operation," commented Paolo Tarchioni, Assistant to Biesse Group's CEO of Coordination and Planning of Product Development, "aimed at optimizing the know-how into which the group has always invested and strengthening our commitment to the creation of integrated systems and technological solutions 4.0 in order to support our clients in the development of digital factories."

To see and touch first hand the Group's

innovative technological solutions, the most important appointment in 2017 will be Ligna, Hannover (Germany) from 22 to 26 May. Taking place every two years, it is the sector's leading international trade. Thinkforward is the concept for Biesse's stand at Ligna, 5,000 square metres of innovation and technology where visitors will experience how the digital factory can change the way we perceive and produce things; this is all about Biesse's ability to innovate, to provide integrated solutions that are complex but easy to use, allowing us to produce more, better, at a lower cost.

For further information:
Tel: 01327 300366
www.biessegroupp.com
SEE US AT LIGNA – Hall 11

CASE STUDY

Sheffield Kitchen Outlet More Efficient With Biesse

Imagine if you started a company and managed to plan your resources to perfection. Your vision was realised and the risks associated with a business start-up evaporated as your business thrived. Your marketing and customer service proved your belief that the business model was indeed correct and customers needed your products and services.

Could it be too good?

Stuart Hattersley, Managing Director of Sheffield Kitchen Outlet recalls those early days. "We invested in three panel saws which were operated by five men. We also had a second hand edgebander, which was a bit slow but did a job. At first it was ideal, but orders ramped up so fast that in the



Stuart and Dan Hattersley





end we couldn't cope with demand".

"We received a marketing email from Biesse and the timing couldn't have been better. We visited their Tech Centre in Daventry for discussions about production methodology and volumes, which were backed up with machine demonstrations. We'd always gone down the cut, edge and drill route and Biesse guided us through this process, introducing us to new machinery which included a Selco beamsaw with twin pusher, Akron edgebander and a Skipper V31 point to point drilling machine for the gables."

Technical Director, Dan Hattersley commented, "The star of the show is definitely the Selco SK4 beamsaw with twin pusher. Rather than having the three panel saws with five men, we now have one beamsaw with one man and a massive increase in output. We're now processing fifty sheets per day".

"Which is great," continued Stuart, "but for us the most amazing thing is that we're saving £300 per day on waste through

more efficient use of material with Biesse's Optiplanning software."

The Akron 1300 edgebander and Skipper V31 were sound investments, which helped to keep pace with the output from the beamsaw and provide an accurate and consistent quality across the manufacturing range.

"One of the other deciding factors in our decision making process was Total Care, Biesse's 5 year warranty and service package", continued Dan, "it underpins the confidence in the quality of the machines."

"Without doubt, Biesse's solution has made us much more efficient and not only helped us to cope with the demand for kitchens, but also helped us to move in to the bedroom market."

Machines:

- Selco SK4 4300 x 4400 beamsaw with twin pusher
- Akron 1300 edgebander
- Skipper V31 point to point drilling machine

- K60 Active Edge - manual edgebander for curved edges
- K60 Active Trim - manual edge trimmer for curved edges



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For further information:
Tel: 01327 300 366
Email: info@biesse.co.uk
www.biesse.com

James Latham To Become UK Distributor For Abet

James Latham, the UK's biggest independent distributor of panel products and timber, has announced an agreement to become a major distributor of Abet Laminati, one of the World's leading manufacturers of decorative High Pressure Laminate (HPL).

In a move which significantly strengthens its credentials as a leading laminate supplier in the UK, James Latham will be offering the full Abet range across all nine of its nationwide panel depots.

Andrew Wright, Director, Lathams Limited, commented, "This latest commitment is a clear signal to the market that we are a serious laminate supplier and ensures national availability of Abet's entire range throughout the Latham Group. The Abet collection fits perfectly within our existing portfolio and significantly enhances our laminate offering. In addition, we are also working towards offering our customers a 24-hour nationwide delivery service on this and all the other Laminates held in stock."

Mr Wright added, "Abet has always focused strongly on creativity and innovation and with links to the best Italian and International designers in the business, they offer a diverse range of laminates in many colours, styles and textures and I am confident that this latest addition will quickly have a major impact on our presence within this sector."

Since it was established in 1957, Abet has grown rapidly and now encompasses seven subsidiaries operating in Italy; 13 commercial



companies and dedicated agencies in over 90 countries. The output from the two factories exceed 220,000sq metres per day making it Europe's largest manufacturer of high pressure laminates.

For further information:
Tel: 0116 257 3415
Email: marketing@lathams.co.uk
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New online visualiser showcases countless worktop combinations

Helping customers to get the maximum benefit

Laminate and wood panel manufacturer, EGGER, has launched an online visualiser to help kitchen manufacturers and retailers explore the potential of what is now Europe's largest range of coordinating worktops and décor panels.

With the launch of the 2017 EGGER Decorative Collection, there are 6,460 possible combinations of worktops and frontals and EGGER is keen for customers to get the maximum benefit from what is available.

The new EGGER worktops visualiser is free to use, and allows customers to create their dream kitchen in minutes. It enables users to view countless combinations of worktops, splashbacks and upstands and explore how they work with doors, shelving and drawer fronts.

"As the decors are instantly applied to room sets, it's a quick and easy way for you to create the type of look you want," said Elliott Fairlie, EGGER UK's head of décor development.

After navigating to www.egger.com/worktopvisualiser, users can select from a range of room sets. Clicking on various elements brings up a chart of available decors that can also be viewed full size.

Dropped into place

Once the main elements of the new design have been selected, plinths and flooring can be dropped into place – and more than 2,700 colours of paint help to bring the 'virtual room' to life.

"The worktops visualiser even has a 'compare' feature that allows you to set two different decor combinations side by side with a slider allowing you to move seamlessly between the two and decide which you prefer.

"This feature will instantly speed up the process of deciding which decors are your favourites and which decors just don't work together. Once the room set is complete, you can save or print the design you have created or share with colleagues or customers via email for their comments," continued Elliot Fairlie.

EGGER's newly-launched decorative collection for the UK and Ireland furniture manufacturing sector is not just its biggest-ever, but



Egger's new WorktopsVisualiser

also showcases the company's unique ability to match its MFC, MDF, melamine and complementary products.

Central to the new décor collection is a range of ever-more-realistic, deep-textured surface decors for furniture makers. This innovative approach is also demonstrated in its worktop range – where it was the first wood-based panel manufacturer to offer synchronised pore worktops.

Continued innovation in worktops has had a major impact on the KBB industry – by combining the natural look and feel of solid wood with all the durability, care and maintenance benefits of laminate.

Authentic rustic appearance

EGGER woodgrain worktops have an authentic rustic appearance with a level of depth not usually associated with laminate products. Knots and cracks – traditionally considered an imperfection or fault – are now seen as a desirable design feature.

Buyers looking for a worktop that mirrors the clean lines of granite, stone or industrial ceramic, can opt for a square-edge worktop that provides that stylish, sleek look – in 25mm or 38mm thicknesses.

"The role of the kitchen is changing, with home owners increasingly looking for open plan spaces that are coordinated to create the right look and feel for multifunctional living," concluded Elliott Fairlie. "Creating that coordinated look requires materials that either match or complement the worktop.

"And because we also supply the materials that are made into splashbacks, doors, carcasses, shelving, end panels, upstands and plinths, the resources exist to bring it all together from a single supplier."



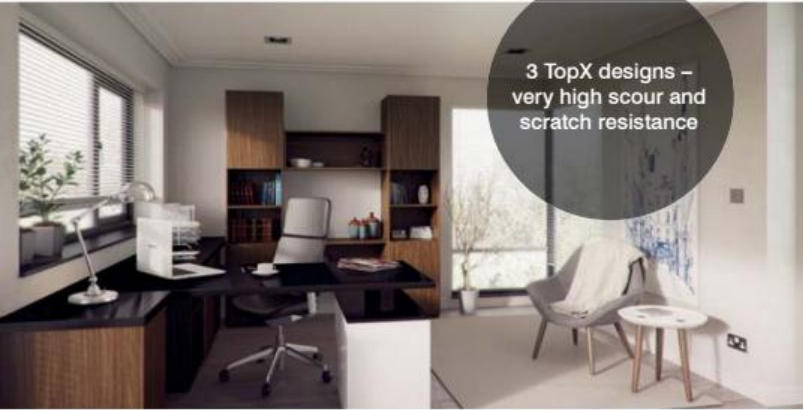
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27 Exciting New Decorative Surfaces From Kronospan

At the forefront of innovation and building on the success of Trend 14/15,16 Kronospan is leading the way with its new range of exclusive designs.

From Scandinavian influenced Beeches to sophisticated Elms, the new designs are expertly characterised into three colour palettes - *Nordic*, *Metropolitan* & *Luxury* – sharing the story behind the in-depth selection process.

The collection is a result of Kronospan's ongoing design journey, travelling the world to discover matchless materials and researching the latest trends.

Whether drawing from the cool functionality of a Nordic palette to the sophisticated urbanity of *Metropolitan* and the unapologetic indulgence of *Luxury*, Trend 17 consists of 11 contemporary wood designs, 6 real metal designs and 10 elegant worktops.

Craig Holt, Kronospan's marketing manager, says: "The Kronodesign team work tirelessly, picking up on the shifts in style and taste that feed the next trend.

The challenge is not only to discover new designs, but provide



inspiration and possibilities which we hope can be used to create some of the world's most stylish interiors. Mix and contrast with our Color range to take inspiration to a whole new level".



DECORATIVE SURFACES & EDGINGS

The *Nordic* palette combines light woods with natural tones and concrete – think all things minimal, functional and beautiful.

Today's world is more urban than rural – following this *Metropolitan* blends grey tones with Metallics, black and graphite woods.

Luxury is a story of comfort, extravagance and high living – gold, copper and bronze complimented by rich tones, exotic woods and marbles.

Trend 17 is available in Melamine Faced Particleboard 2620 x 2070 x 18mm (wood designs), laminated MDF 2800 x 1300 x 18.7mm (metal designs) and laminate worktops 3050 x 600 x 38mm – all with colour matching HPL and edging.



To find out more or request samples of Kronospan's new
Kronodesign Trend 17 collection:
Tel: 01691 773 361
Email: sales@kronospan.co.uk
www.kronospan-express.com



Interior Film Used On Superyacht Refurbishment Project

Interior Film from David Clouting has been used for many refurbishment applications; from shops and restaurants to hotels and even airports ... its popularity and range of applications recently brought it to the attention of the Wild Group who used Interior Film, which is certified for use in the marine industry, in the refurbishment of a luxury superyacht.

The Wild Group is a pioneering exterior and interior vinyl yacht finishing company with offices in the UK, Monaco and New Zealand. The company recently undertook the interior refurbishment of a 38 m classic Feadship yacht on behalf of Pendennis, a world renowned custom build and refit superyacht yard based in Falmouth.

Interior Film manufactured by LG Hausys, is an innovative self-adhesive, decorative film, quick and easy to install. It's so versatile it can be applied to almost any interior surface including: wood, metals, plasterboard, plastics and even melamine.

This enables feature walls, staircases, office doors, furniture, skirting and architrave to be attractively and quickly refurbished at a fraction of the cost it would take to replace them.

As part of the refurbishment of the Feadship superyacht, Interior Film was used to refurbish a series of staircases leading to rooms below deck, its excellent flexibility and adhesion provided the perfect finish, even to the complex shapes of the staircase.

Easy to clean and maintain Interior Film is hardwearing and remains stable if exposed to heat, humidity or low temperatures.

Air free technology enables Interior Film to be easily applied to give a superb bubble free surface.

Available in a range of over 400 designs and finishes, Interior Film is available to view on the BIMSTORE website and is also CE and IMO Certified so can be specified with confidence across a wide range of applications.

For further information:
Tel: 01376 518037
www.davidclouting.co.uk

LG Hausys's Interior film was used to refurbish a series of staircases leading to rooms below deck on this superyacht





METROPOLITAN Lines by Kronodesign®

Kronodesign® Trends 16-17

One of the current key trends is the Metropolitan look; chic urban style that combines dark or bleached monochrome timbers with brushed metallic and concrete surfaces. The overall theme is of sustainability and modern living, with sophisticated monotones, versatile concrete and reflective, real metal accents working beautifully together to make a statement in urban lifestyle.

To order your free samples, email: samplerequests@kronospan.co.uk or visit:

www.kronospan-express.com

kronospan

Why The Touch And Feel On Furniture Edges Is Becoming Increasingly Important

In an age when we are experiencing more and more of our environment through screens and touchpads, the notion of "touch and feel" is playing a growing role in the way we design our own four walls.

We "grasp" our environment, we have "everything at our fingertips" but we also have "fear of contact". Figures of speech show us how important "touching and feeling" is to us. While our hands are gliding over smooth mobile displays more and more frequently both at work and in leisure time, we love our homes to have furniture which is exciting and unusual to the touch.

What customers want

It's no coincidence that almost all board manufacturers offer their furniture surfaces in a variety of different textures. As such, there are many different types of embossing to match the board decor. After all, panels with realistic stone look are also supposed to feel like real stones as much as possible. And the same goes for wooden-finish panels - the texture should be noticeable under the fingertips wherever possible.

Realistic feel - even on the edges

For Ostermann, it is always a challenge to make the ABS edging material as similar as possible to the furniture surface in terms of look and feel. "The best edge is always the one you don't see!" is one of the edging specialist's most important guiding principles. And a perfect look of course also always means the right feel. Because only when edging and panel match do you get furnishings "cast from the same mould".

Five different wood textures

Wood as a material represents nature, authenticity, high quality and a unique feel. But solid wood is not suitable for all furnishings or applications. And price also plays a role. The realistic wood patterns on the decorative furniture surfaces display an almost identical look and feel to real timber. Ostermann provides the edges in five different wood textures to ensure the perfect finish: From delicate Wood pores and subtle Ash pores, to an intense Wooden structure and "Linea" structure, to the tangible effect of the "Meandra" finish.



The striking Meandra embossing combines an expressive, varied look with a noticeably deep, pleasant feel

17 different surfaces

Ostermann offers a specific stone embossing finish to ensure the edges adapt to the stone decor. But classic surfaces such as Smooth, High Gloss and Minipearl also blend harmoniously into the different panel finishes. A semi-rough Satin finish, a Textile structure, and a number of different glosses - from Supermatt to



Real touch - a good feeling!

The right texture on furniture edges adds extra quality, especially for boards with natural wood decors

Excellent Gloss - round off the many different surfaces Ostermann offers for edging.

Ostermann edging: the perfect panel ending

The Ostermann experts are always striving to offer furniture edging as close as possible to new furniture surfaces in terms of look and feel. But only where it actually makes sense. Mini Pearl embossing and the classic Satin finish or Velvet structure continue to be the first choice when it comes to simple carcass edges or robust office furniture. Carpenters/Cabinetmakers can visit the Ostermann online shop at www.ostermann.eu any time to see which edging is available for which embossing.

Further info carpenters/cabinetmakers available at www.ostermann.eu

Ostermann Services at one glance

- Edgings from 1 metre
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- Edgings in various thicknesses
- Edgings in ABS, Melamine, 3D-acrylic, Aluminium, Real wood veneer
- Airtec edgings despatched after 4 working days
- Laser edgings despatched after 4 working days
- Infratec edgings despatched after 4 working days
- Edgings pre-glued with hotmelt adhesive upon request
- The largest Cross-Reference-List in Europe with over 120,000 matches
- Europe's largest edging range
- All orders placed before 4.00pm are delivered within 24 hours
- 2 % discount on every online order (Shop and App)

For further information:

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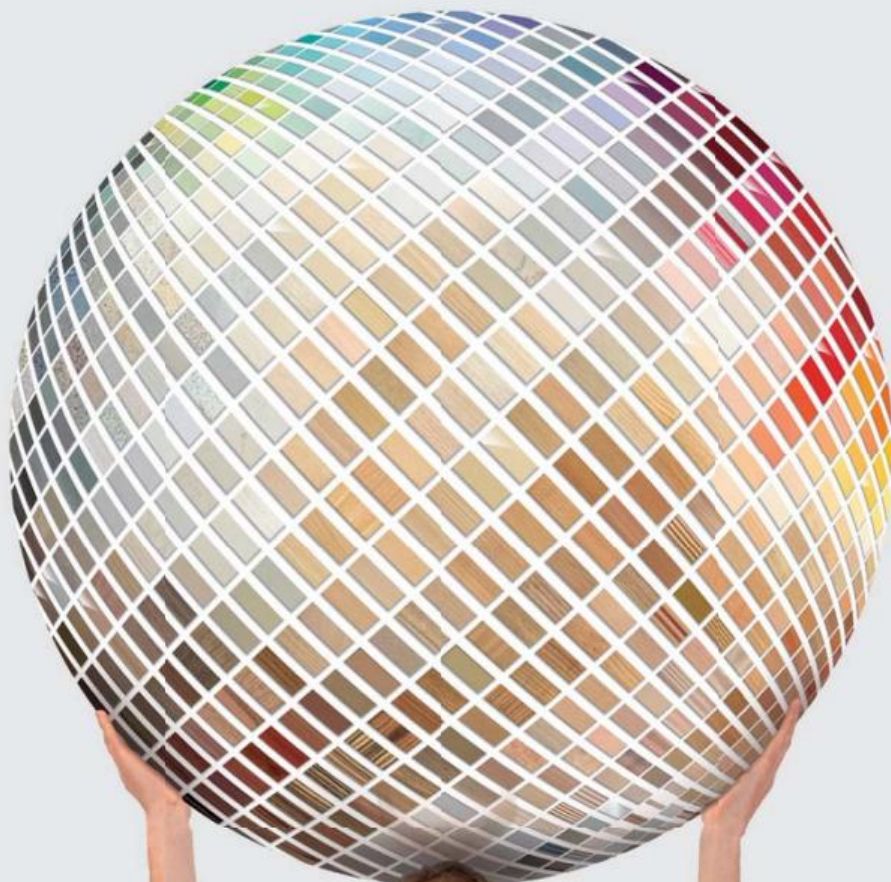
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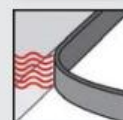
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Makita Introduces New LXT Drywall Screwdriver, TEK Screwdriver Version And Pin Nailer

- Screwdriver with lower maximum speed and increased torque
- New TEK screwdriver version
- Push drive technology minimises power consumption
- New pin nailer takes 23 gauge, 15-35mm nails

Makita's latest version of the popular 18v cordless drywall screwdriver runs up to an impressive maximum 2500rpm - lower than its predecessor - but delivers greater driving torque from the innovative Brushless motor. A TEK screwdriver version is now available for the first time from Makita which is sure to appeal to cladding contractors.

The new Makita DFS250 LXT drywall screwdriver with 1/2" hex drive shank will drive home 5mm drywall screws; 6mm self-drilling screws and 90mm x 4.5 coarse thread fixings. The specification includes variable speed control trigger; ergonomic soft grip with thumb and fore finger grip pads; belt clip and LED job light while the aluminium gear housing saves overall weight.

This new Makita drywall screwdriver features Push Drive Technology where, with the lock-on button engaged the motor will not rotate under no-load conditions, resulting in reduced overall power consumption. The drive will start rotating at full speed only when the screw is pressured on the board surface. The DFS250 has a one-touch bit locator and a silent clutch that cuts drive when the screw is home. Weighing just 1.8kg the Makita DFS250 is available either as a body only machine or



Mak 1732 DFS250 drywall screwdriver

with two 5.0 Ah Lithium-Ion batteries in a Makpac case.

The new Makita DFS251 machine is the TEK screw version, with offers all the attributes of the DFS250, and in addition will power a 6mm hex screw socket. TEK screws are the core fixings for cladding and panel walling systems.

The new Makita DPT353 LXT pin nailer takes 23 Gauge (0.6mm) size nails and can deliver 15, 18, 25, 30 and 35mm length nails. The magazine will hold 100 nails of each of these sizes. The finished driving depth, that is, how deep below the surface the nail head finishes, or level if required, is adjusted by the simple rotary adjuster adjacent to the nose assembly. The anti dry-fire mechanism stops the nailer operating if the machine has run out of nails. The nose tip has been redesigned for better visibility enabling the

operator to get a quick and easy view of the desired firing point on the work piece.

The DPT353 has a low reaction force mechanism which enables easier nailing of long pins. Makita recommends that a trigger safety lock should always be applied when the machine is not in use. With LED job light; soft grip handle; belt clip and battery fuel gauge the new Makita DPT353 LXT pin nailer will appeal to all installers and construction trades. It is available with two 5.0 Ah Lithium-Ion batteries in a Makpac case, or as a body only machine, and replaces the DPT351 model.



Mak 1732 DPT353 pin nailer

For more news and product information about Makita UK please visit www.makitauk.com. Follow us on Twitter @MakitaUK, Facebook.com/makitauk and google.com/+makitauk

SIRIUS 950

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The aim of this machine is to offer a cost effective solution to all Kitchen and Bedroom furniture manufacturers who can often cut and edge panels with efficiency but are then often slowed down when it comes to assembly by using traditional style boring machines or manually marking out, drilling and screwing etc.

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PROFILE

Introducing ClicBox The Fastest Construction of a Kitchen Carcass

We all strive for better productivity and ultimately more turnover in our business. In the KBB industry we sometimes have set backs. Maybe the customer changed her mind at the last minute and you have to wait for a new part to be delivered, maybe your supplier has let you down; it's a fact of life that sometimes these things 'just happen.'



BA Clic Components understand that time is always of the essence so that's why they bring us ClicBox. A new and innovative concept in kitchen cabinets, using the patented UNICLIC for furniture technology, the components simply click together to make a strong, durable carcass.

The production of the amazing new product has been moved from Belgium to the UK by BA Clic Components. A brand new 52,000 sq ft factory in Rotherham has begun fulfilling orders of the clever ClicBox and distributing across the UK and worldwide.

So why is ClicBox so clever?

- Easy to assemble
- Has fewer components so less to get lost
- Is Easy to transport, handle and get to installation sites however awkward they may be
- Takes up 69% less van space
- Can be assembled on site up to 5 times



faster than a normal flat pack cabinet

- No tools, glues or fittings
- Stronger than a traditional cabinet
- No visible fittings

This modern concept and truly innovative product range will appeal to builders as it will save them time and eliminates the need for any tools.

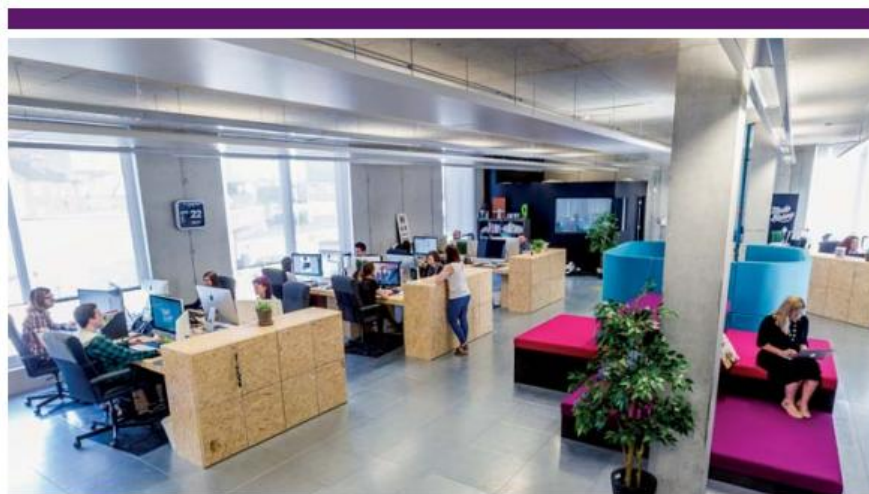
For further information:
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www.baclicbox.com

Contemporary and unique offices made with SterlingOSB

The versatility of Norbord's SterlingOSB knows no bounds; today it is a super funky way of furnishing a communal space whilst equally at home in a large scale industrial refurbishment.

Glasgow based brand-led digital creative agency, Made Brave - <https://madebrave.com/> - has made Norbord's SterlingOSB part of the furniture - literally. On relocating to The Albus Building in Glasgow's east end the company chose to use the high quality board to create workstations and storage space; thus developing a unique office space that will stand the test of time.

Stephen Weir, the operations director at Made Brave, says about SterlingOSB, "We chose SterlingOSB because it fitted with the aesthetic we have in the office. We didn't want to create a space that was typical of what already exists; SterlingOSB complements the industrial feel we have in the office. The cost benefits meant we could build larger desk spaces per capita, and we were able to build custom-shaped



Contemporary and unique offices made with Sterling OSB

workstations. SterlingOSB has also given us the flexibility to expand our workspaces so that our furnishings have grown with the needs of our team and our work."

Norbord is a leading global manufacturer of wood-based panels and the world's largest producer of oriented strand board (OSB). In addition to SterlingOSB, Norbord

manufactures particleboard, medium density fibreboard and related value-added products.

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Avoiding Pitfalls When Purchasing A CNC Router

A CNC router is one of the most expensive capital investments likely to be made by companies in the furniture manufacturing, industrial woodworking and joinery industries. Yet no matter how diligent the decision-making process, with all of the appropriate questions seemingly answered satisfactorily, a number of thorny issues can still remain that will delay the decision to purchase and cause an unnecessary expense due to a reduction in valuable production time and materials usage.

As a global pioneer of CNC routing technology, with an enviable pedigree based on over 25 years' experience in the development of arguably the most technically advanced CNC routing solutions available for these industries, XYZ International examines the nature of the 10 most critical of these potential pitfalls and provides advice on how they can be avoided.

It is important to recognise that CNC routing technology has existed for decades and like most technologies continues to evolve at a rapid pace. For this reason, changes can occur during a lengthy purchasing process whereby the router selected will meet the perceived requirements of a customer at the time of purchase but may be less able to adapt to future requirements if these issues are not addressed and rectified beforehand.

The top 10 list of potential pitfalls

It should be emphasised that all of these pitfalls are avoidable. They represent a checklist that can be used when considering the purchase of a CNC router, with each of the items mentioned carrying a cautionary annotation and added comment, as deemed appropriate, by XYZ International.

Buying the cheapest machine

This is strictly a short-term financial decision that may prove costly in the long term. The serious downside to this would be lowered performance, less reliability and a difficulty in sourcing essential spare parts and accessories. Buying a more expensive

but infinitely superior machine would eliminate all of these negatives. XYZ International claims the ROI on any of its CNC routers to be between two to four years, with the total cost of ownership radically reduced by virtue of an ability to sustain higher performance levels for the lifetime of the machine.

Selecting the wrong machine processing area

Whilst purchasing a machine with more capacity than needed is not cost-effective, buying a machine that turns out to have a less than necessary capacity is even more so. Buyers should seek expert advice on



The XYZ Optimus 5010 CNC Router is an example that has been developed specially for the cabinet-making and fine furnishings sector for the woodworking industry

what the correct processing area should be, contingent upon the predicted use of the router.

CNC routers supplied by XYZ International are available in a wide choice of bed sizes to accommodate different applications. Significantly, the company can configure a machine to suit virtually any production requirement, from one-off specials to high-volume runs via a staggering 316,918 different machine configurations that are now possible.

Not planning for future production requirements

The buyer should match the machine purchased to future production requirements, as this can make a huge contribution to business growth and

commensurate profitability.

Misjudging the tooling required to process different materials

The most common causes of tool failure include selecting the wrong tool for the material to be processed, using a tool well past its predicted life and then wondering why the quality of cut had subsequently deteriorated to such an extent, failure to use an appropriate coolant or lubricant and not changing tool-holding devices such as collets within the recommended time scale. Tooling is a continually developing area of routing/cutting technology due to the emergence of new and frequently more complex and difficult-to-process materials as well as the tool coatings and geometries now necessary to process an ever expanding range of diverse materials used for multiple applications.

A typical recent example from XYZ International is the Marathon

Compression Tool. This is used for the processing of solid and particle woods and incorporates a specially developed coating to protect the cut edge of the material from the high temperatures generated during the routing/cutting process. The tool is particularly efficient in preventing chipping of double-sided laminates or when processing natural woods where edge-finishing requirements might prove problematical if alternative standard spiral tools are used.

Missing out on necessary accessories in an attempt to keep down costs

Generally perceived as a typical production workhorse, a CNC router when used to its full capacity will pay for itself over a relatively short period of time. Buyers should always insist on factory-employed expertise to determine the right accessories and how these can enhance overall performance. This is a consideration that should be prioritised in the purchasing process.

XYZ International provides a raft of both standard and optional production-enhancing accessories. These include the XYZ Auto Zone Management facility that

increases the router's accuracy and quality of the routed/cut finish and the latest A2MC machine controller with integrated AVS (AXYZ Vision System) that reduce or eliminate problems associated with less technically advanced systems whilst further enhancing both routing/cutting accuracy and the range of materials that can be processed. There is also an expanded (up to 33 stations) Automatic Tool Change (ATC) facility and the latest helical rack and pinion drive system that helps distribute the router's workload more evenly. This contributes to faster throughput speeds, greatly enhanced routing/cutting accuracy, less material wastage and ultimately a longer than normal machine life.

Not investigating the level of support provided by the supplier

At some stage, CNC routers will require servicing and occasional repair. It is important, therefore, to know the supplier's support network and verify its response capabilities.

AXYZ International's specially trained installation engineers are always available either for online help or, as required, on-site support delivered at a customer's own facility.

Purchasing a router that is not fully upgradeable

A router should be capable of evolving in tandem with new technologies. It is important to always deal with a supplier that can retrofit and upgrade operating systems and software on a regular basis. Usually such suppliers manufacture their own routers and provide complementary dedicated software without any third-party involvement.

Failing to source a supplier that has its own spare parts facility

Always the bane of any business, downtime is expensive and unacceptable to both the machine owner and the supplier. Much of this can be attributed to time-consuming delays in securing necessary parts. Purchasers of routers should always seek a supplier that operates its own online shop capable of providing all necessary spare parts and preferably on same- or next-day delivery.

Through its CNCRouterShop 24/7 online facility, AXYZ International can provide a vast range of spare parts and consumables that will accommodate the requirements not only of routers in the AXYZ and Pacer power brand ranges but also those of any

other router regardless of type and country of origin.

Failing to source a supplier that offers customised training programmes

All training requirements can be met by dealing with a supplier that understands the specific needs of each individual customer and can offer bespoke training programmes to fully accommodate these. It is the best way to optimise the efficiency of the workforce and therefore ultimately the performance of the router. Training needs to be thorough, as it represents arguably the single most important item on the checklist.

AXYZ International provides customised training courses. These can be carried out either at the customer's own premises or at the AXYZ International Training Centre.

For further information:
Tel: 01952 291600
www.axyz.co.uk

Joinery – Editors of Fine Woodworking

Although many of our readers are machinery operators, manufacturing both large and small products within the woodworking sector, there are many who dabble, in their spare time, with the traditional methods using both power and hand tools.

For those people, can I recommend "Joinery" – it's an invaluable comprehensive and practical book for both the novice and craftsmen.

"Joinery" is the book you need to show you the intricacies of executing complicated cutting and joints. A comprehensive, illustrated book for those who need to know about joinery.

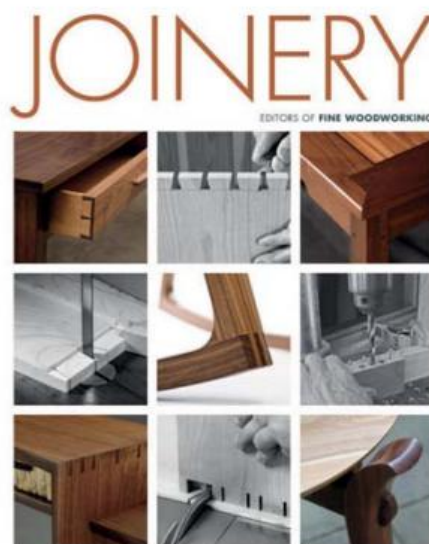
All woodworkers worth their sawdust know that joinery – good, bad or indifferent – tells the unvarnished truth of how a well made piece can be made and how skilled the maker is. As a result, "Joinery" is always

a hot, and sometimes, controversial topic because even the masters will agree that there is no one right way to do it.

Over the decades, no one has proven better at teaching readers how to make beautiful, enduring joinery than *Fine Woodworking*. This comprehensive and practical book demystifies the all-important subject of choosing, designing and cutting woodworking joints. It's packed with insightful information and tricks of the trade that will advance the work novices and seasoned craftsmen alike. Because whatever your skill level, there's always room for improvement when it comes to joinery.

ISBN 9781631864483 PB £17.99
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The new workworking title can be purchased from GMC Distribution, 168 High Street, Lewes, East Sussex BN7 1XU



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Joinery Company Finds Horizontal Routing Niche With Alphacam

A joinery company has developed a specialist subcontract horizontal routing service on doors and door linings for property developers, architects and builders.

Sylwester Przybylski, owner of Tomasz Valentine Ltd, relies on Alphacam, from Vero Software, to ensure they always meet their two-to-four-day turnaround, nationwide.

"It would take a skilled cabinet maker or joiner around 45 minutes to route out the holes for locks and hinges by hand. With Alphacam, it takes around five minutes to program them and another five minutes for the machining. When we're working on a number of doors, each one only takes five minutes, as the program is already set up."

And he says the corresponding routing on the door linings is a perfect match every time. "Using Alphacam is not only much faster, but we know it's always going to be completely accurate."

The company also provides an assembly service, where clients send their doors and ironmongery to them. "We carry out the

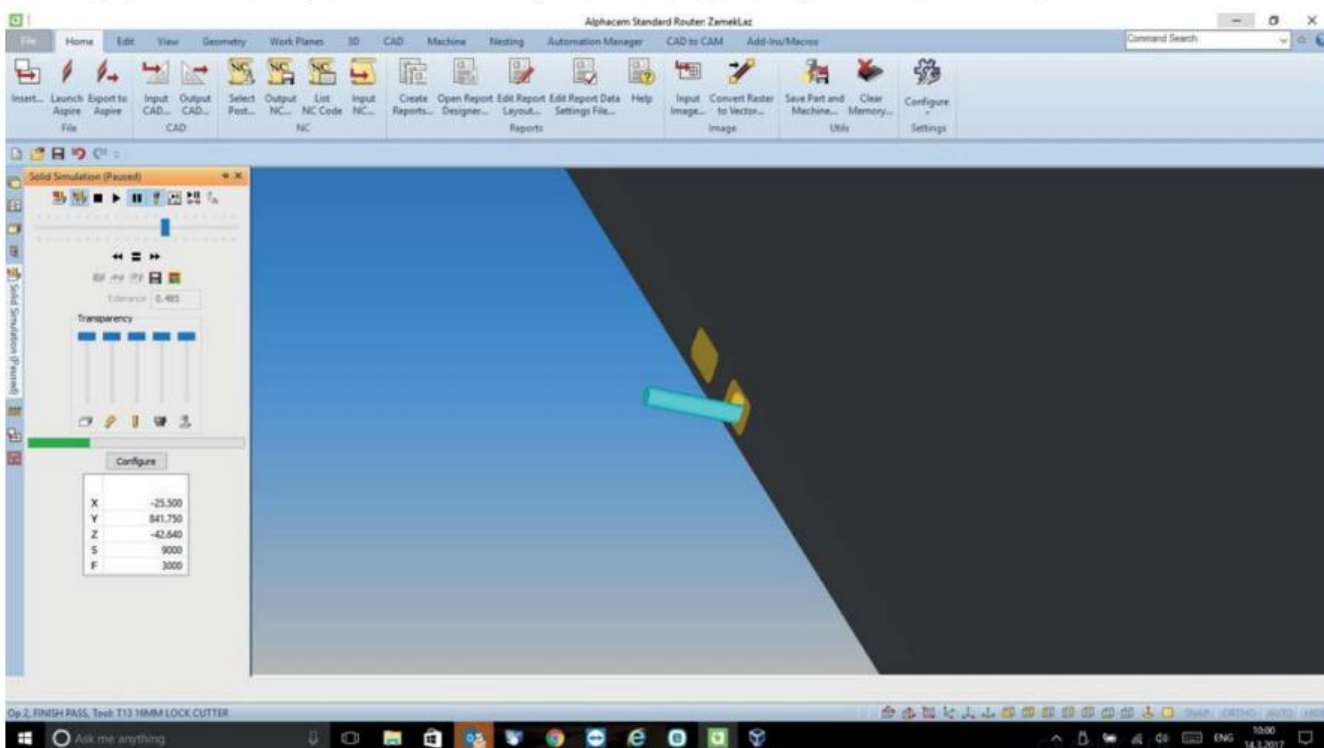


Sylwester Przybylski, owner of Tomasz Valentine Ltd

horizontal routing, install the locks and hinges and send the completed doors and linings to site."

He decided to set up what he believes is the unique service after experiencing at first

hand how long it takes to route out mortice locks and hinges on site. "As a joiner myself I know how tedious the process is, and when I began to research setting up a system to carry out the work as a





subcontractor for builders and architects I couldn't find any other company doing it.

"Large building companies carry out the cutting for themselves, but I've not come across anyone other than us providing it as a subcontract service."

He says successful horizontal routing requires considerable experience, as it involves pinpoint accuracy at a position that is floating off the bed of the CNC router. "But with Alphacam we can program the height of the horizontal position to get an exact finish."

His choice of router also speeds up the process – they have a 3-axis Italian Tornado Bulleri 3721 machine tool with carousel toolchanger. "We needed a machine with a large bed as we work with 2050 x 2800 mm MFC Jumbo board."

The router is currently programmed with Alphacam Standard, but they are intending to invest in a 5-axis router later this year, which will mean upgrading the software to Alphacam Ultimate.

And he says they would not be able to provide the service without Alphacam. "In fact, without Alphacam, we wouldn't have a business at all. It's so quick and easy to

program. The old saying 'time is money' is very true, and Alphacam saves us both."

As well as the horizontal routing service they also produce a range of cabinetry and staircases, and nest all their kitchen and bedroom furniture using the software's powerful nesting functionality.

"Alphacam cuts each full MFC Jumbo sheet in eight minutes, with all the cam and dowel holes and features, so what's coming off the CNC machine is ready for the edge bander and assembly."

They also use Alphacam Aspire for engraving and signwriting, and, again, he says they could not provide that part of their service without Alphacam. "We can see the transitions immediately on screen, along with the machining simulation, which helps us achieve our goal quickly and accurately."

Another of their aims is to move purely to manufacturing, as he says Alphacam carries out the work of several employees in their niche market. "We can produce 60 doors in eight hours, whereas a cabinet maker could perhaps do 12 doors in a day at a push. And we can guarantee 100 per cent accuracy every time, which is impossible by

hand."

The software also helps produce an accurate quote for their full range of woodworking products. "When we receive an enquiry I program the component in Alphacam which gives an accurate machining time."

In conclusion, Sylwester Przybylski says Tomasz Valentine Ltd, operating with eight employees out of a 600-square-metre workshop in Park Royal, London, shows that Alphacam is not just for big manufacturers. "As a small company it makes a massive difference to our profitability, and actually makes the difference that keeps us in business."

"We need to be accurate, fast and competitive. And that's what Alphacam gives us."

For further information:
Tomasz Valentine Ltd:
www.tomaszvalentine.co.uk

Alphacam:
www.alphacam.com

Cabinet Vision “Saves Akaal Thousands Of Pounds A Week”

“If you make kitchens and bedrooms, or anything else with cabinets and panels, you’re wasting your time if you’re not using Cabinet Vision, and probably losing thousands of pounds a week because of all the time it saves.”

Those are the words of Akaal Ltd Manufacturing and Construction Manager Yashpal Singh Batchu. Whether it be full kitchens or individual cabinets, he says the time savings are enormous.

Akaal has recently diversified from its position purely as a fitting company buying in units, to manufacturing its own. While the fitting operation continues to be run from London, the factory has been

established in Oldbury in the West Midlands, where industrial property prices are lower.

In addition to the 570 square metre workshop they also have a 360 square metre showroom which is attracting considerable interest from end-user consumers.

“Everything we produce goes through Cabinet Vision – from a small job through to a large one.” With around 40 different types of panels and cabinets stored in the library he says it takes around half an hour to create the full kitchen, and then he simply presses a button to send the NC code via Cabinet Vision’s Screen-To-

Machine module to their Felder Format4 Profit H500 5-axis router.

Before taking on his new design role when Akaal began manufacturing in late 2016, he supervised carpentry work on the construction sites, which did not involve computers. “My computer skills were extremely limited, but Cabinet Vision is so simple to learn that I quickly reached the stage where I can easily design a kitchen from scratch. When I want to create a kitchen unit I just bring a cabinet in from the software library and it’s in place in five seconds. To draw it manually and get all the dimensions and holes right would probably take an hour.”



A kitchen design by Cabinet Vision Software – manufactured by Akaal Ltd

When working on a new project in Cabinet Vision he sets the room size first, then places doors, windows, sink, cooker and other appliances, then selects the appropriate cabinetry and slots it into place. For example, if the units are 600 mm he will bring it in from the library, and then drag and drop until they are all set up.

"Then, for the 1000 mm units I'll just press a button to convert it. It's the same for any size. Cabinet Vision's parametric capabilities ensure that when we adjust the height, for instance, it automatically adjusts the other dimensions and ensures the screw and dowel holes are moved to the right place for the resized cabinet.

"And we have absolute confidence that whatever we design will be faithfully cut on the CNC router, thanks to the NC code produced in Screen-To-Machine."

Those points are all echoed by Cabinet Vision's Southern UK Sales Manager Danny Hargreaves. "There's virtually no cabinet-based shape that can't be designed quickly and accurately with the software. It's extremely diverse and meets any client's individual needs simply by dragging and dropping, and then parametrically reshaping and resizing. All hole positions are adjusted accordingly, and the cutlists produced."

He is impressed at how much Yashpal Singh Batchu has achieved in such a short time with the software. "He's now highly



The Felder Format4 5 axis router is fitted with Cabinet Vision's screen-to-machine module

proficient in producing top end, quality kitchens, and is beginning to use it for making doors, too."

As a qualified and experienced carpenter, Yashpal Singh Batchu says Cabinet Vision and Screen-To-Machine fully complement his traditional skills by saving time and making it simple to always achieve perfect results. "It literally saves hours by getting all the sizes and angles right. And as well as designing and cutting the panels it makes the dowel holes, pin holes and shelf holes. I

input the shelf data, and it automatically positions the holes."

He is now beginning to use the software to produce curved table tops. "A single right click accesses the Edit Shapes mode, and there are numerous built-in CAD tools for drawing arc lines, straight lines, full circles and squares, so we're able to create any shape and send it straight to the Felder machine tool."

Cabinet Vision is also making it profitable for Akaal to take on small jobbing work, too. A customer required just one cabinet from them – a corner unit. "It would take a carpenter a whole day to work on that manually, and it would never be 100 per cent perfect – it's likely the angles would be a couple of mm out – but with Cabinet Vision it was absolutely spot on, and took just a few moments to complete the design, including all the dowel and screw holes."

In conclusion, he says: "We don't really have to do anything – Cabinet Vision does it all for us. It's absolutely vital for our business, saving us thousands of pounds every week."



Yashpal Singh Batchu with Danny Hargreaves

For further information:
Akaal: www.akaal-ltd.com
Cabinet Vision: www.cabinetvision.com

HOMAG Provides The Finishing Touch For All Levels Of The Industry

Over the last 60 years, the BÜTTERLING brand has established itself at the pinnacle of high performance wide-belt sanding machines and innovative surface finishing solutions. Recently rebranded, the newly named 'HOMAG' wide-belt sander portfolio includes a wide range of models starting at entry level, specifically designed for small workshops, through to high-throughput machines for advanced manufacturing plants.

The impressive portfolio includes models for calibrating and finish sanding as well as lacquer sanding. All the models boast German technology and engineering – world renowned for its quality, reliability and innovation.

The compact entry level SWT 100 series

The HOMAG sanding range starts with the compact SWT 100 series. These entry-level wide-belt sanders are equipped with up to two sanding heads. This ensures perfect sanding results from calibrating and fine sanding on solid wood and veneered panels to easy lacquer sanding. The SWT 100 series offers a working width of up to 1100mm with a sanding belt length of 1900mm.



The entry level SWT 100 series – compact sanding for a perfect finish



Wide range of sanding head options available on the SWT 300 series

Moving up – the SWT 200 series

The next in the range is the versatile SWT 200 series for sanding solid wood to veneer and intermediate sealer sanding. It uses either HOMAG's acp® (air cushion sanding pad) or eps® (electronic pressure system) intelligent pressure pad systems.

The acp® system senses incoming work pieces and activates the rise and fall pad system to give an anti-dubbing facility at both leading and trailing edges of the part. It is ideal for use on solid wood or thicker veneers.

The eps® technology ensures the optimum sanding pressure on all areas of a work piece, guaranteeing a perfect sanding result. The eps® works with a segment width of 50mm (optional 25mm) and is

suitable for applications such as solid wood, veneer and lacquer sanding. The individual segments 'float' on the part surface with a constant pressure to protect veneered or lacquered surfaces within a tolerance range of 2mm. It is also possible to add or subtract edge segments to modify edge pressure.

The SWT 300 series – offering a wide choice of heads

The SWT 300 series consists of twelve models, each with customisable head combinations to provide specific solutions for each customer. The C head is for solid wood, veneer or lacquer sanding, whilst the R head is designed for calibrating.

The Q head has been specifically



The ROBOSPRAY TWIN – a flawless finish every time for both matt and high-gloss coatings

designed for veneer sanding, removing tape and for sanding of long cross-veneered parts. It is also a good intermediate lacquer sander and can be used to prepare for high gloss finishes.

If you are looking for high quality sanding across different surfaces, the H head is ideal. It is also designed for lacquer sanding with very fine grits and solid wood sanding, especially frame parts.

For fine sanding of wood and wood materials, HOMAG has developed the E head. This is also good for lacquered surfaces and improving the sanding results of pre-sanded processes.

Perfect sanding is about applying the right pressure at the right time and in the right place. On the HOMAG SWT 300 series, the eps® - electronic pressure system – ensures the optimum sanding pressure on all areas of a work piece, guaranteeing a perfect sanding result.

The SWT 700 and 900 series – heavy duty production

These heavier models are available in both 1350 and 1650mm working widths and can be equipped with any head type in any order to suit special applications and higher production speeds. Up to five heads are possible including brush heads for textured surfaces.

HOMAG provides the finishing touch with Makor

The HOMAG Group and Makor recently agreed an exclusive global partnership. This agreement provides the basis for an exciting new era in which customers can turn to HOMAG for almost every application from the start to the finish of their production process.

Since its inception in 1968, Makor has become a well-known, and respected brand worldwide. It manufactures a wide variety of automatic wet finishing and coating application equipment. Its machine range includes profile sanding machines, spraying equipment (for panel and strip components), drying tunnels, material handling systems and much more besides.

Makor consists of four different divisions: panel, edge, profile and window. Each offers a choice of different finishing solutions, providing a fully versatile range of machinery for all areas of manufacturing. A prime example of Makor's continuous commitment for innovative engineering lies within its panel division. This sector offers the most advanced solutions for all finishing needs ideal for kitchen cabinets, doors and flat boards manufactured in small batch sizes or just-in time production.

Within this range Makor offers robotic

panel spray systems such as the ROBOSPRAY TWIN; this sets new standards for high quality and high productivity, achieving a flawless finish every time.

This state-of-the-art spray equipment uses a twin-arm machining technique. This can either be used solely in 'robot' mode, where only a singular arm is used or, for optimal results, it can also be programmed for full reciprocating machining. This method involves both spraying units for totally consistent paint application.

The robotic arms of ROBOSPRAY TWIN have been specifically designed to create the highest finishing quality for both matt and high-gloss coatings. When used in conjunction with one another, they provide advanced production speeds, reduced waste and lowered maintenance costs.

The perfect combination for sanding and finishing

Simon Brooks, HOMAG UK's sales and marketing director concludes, "HOMAG's range of wide-belt sanders offers a huge choice of machines and options to provide the best possible sanding results for our customers' individual needs.

"Whether you're in the panel, door, window or stair market, flooring, case goods or moulding industries, our new partner brand, Makor, has a finishing solution. With its impressive choice of spray equipment, roller and vacuum coating machinery and automated handling systems, it is clear to see that the company is committed to engineering excellence. We are delighted to have this new addition to our range and we're looking forward to seeing this new machinery launched in HOMAG livery at Ligna 2017," concludes Simon Brooks.

If you would like more information about HOMAG wide-belt sanders or painting and lacquering machines please contact Adele Hunt at HOMAG on 01332 856424.

For further information:
Tel: 01332 856500
Email: info-uk@homag.com
www.homag.com

Brilliant Finish For Jonathan Rose Fine Furniture

Jonathan Rose Fine Furniture was founded in 1997 to provide a professional furniture making and engineering service to designers and private clients alike. The company's determination to maintain quality craftsmanship has never wavered, and the highly skilled team of craftsmen are dedicated to the efficient manufacture of individual pieces of furniture. Based in Malmesbury, Wiltshire, the care that managing director Jonathan Rose takes in ensuring his furniture is just right extends to his choice of machinery. Last year, he took delivery of a new Kündig Brilliant-2 1350 REd-L sander.

"We make high end bespoke furniture and we do lots of veneered work," Jonathan says. "It requires a top of the range sander that my staff can rely on."

Jonathan had previously purchased a Kündig Uniq-S edge sander from Carl O'Meara of Kündig Ltd. "We had had it for maybe about ten years, and it has proved to be a very good machine. Carl was very helpful when the edge sander was installed, so I was very happy to return to him for a quote for the wide-belt sander, when I knew our existing wide-belt sander was reaching the end of its useful life."

Jonathan uses the sander on his full range of unique furniture pieces. "We use it

for veneer sanding and calibrating. It is designed for lacquer sanding as well and, while we have not used that facility much, it is good to know it is there."

He continues, "One advantage is greater precision with veneer sanding: the sander is less likely to sand through the veneer, which is very thin and expensive. Marquetry as well: you might have a marquetry veneer pattern worth thousands of pounds, and you have to be confident you are not going to sand through." The Kündig Brilliant sander gives Jonathan this confidence.

Jonathan's sander has two heads, and can sand workpieces 1,350 mm wide. He has taken up the oblique sanding option, and has noticed the improved quality that this option will provide.

With oblique sanding, one head is slightly offset to the direction of travel. As a result, the slight defects that will appear on any sanding belt over time are not transferred to the workpiece, resulting in significantly improved quality, with consequent savings both in time and expensive materials.

The Brilliant is the mid-range Kündig wide-belt sander. It can be supplied in a variety of configurations. Kündig sanders are manufactured to the highest standards



Jonathan Rose next to the KUNDIG Brilliant wide belt sander

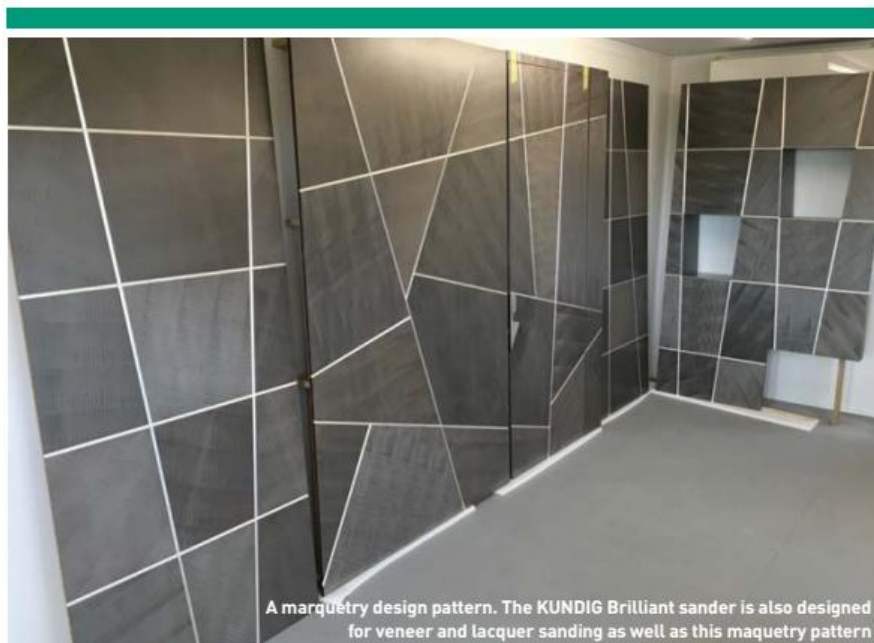


A mirror finish – a sample of Rose Fine Furniture

within Europe, and new sanders come fitted as standard with an energy saving mode: if no workpiece has been sanded for a given period of time, the energy saving function kicks in. The company estimates that this can save a workshop about 10-15% of the electricity that would otherwise have been used.

Kündig wide belt sanders are designed for ease of use. The working heads rise and fall automatically, rather than the work table, making life easier for the operator. The control panel has been designed with ease of use in mind, simple to read and to operate, while allowing complex instructions to be stored for future reference.

When asked if we would recommend the sander, Jonathan replied, "Yes, absolutely. We have had good service. Carl is very easy to get on with: he has supplied me with other equipment as well!"



A marquetry design pattern. The KUNDIG Brilliant sander is also designed for veneer and lacquer sanding as well as this maquetry pattern

For further information:
Tel: 0845 833 0565
Email: info@kundig.co.uk
www.kundig.co.uk

Reddiseals Launches Internal Door Furniture Range To Complement Sash And Casement Window Products

One of the UK's leading quality suppliers of sash and casement window components and accessories, Reddiseals, has introduced the Abberley range of internal door furniture. The move enables joiners to perfectly match handles, hinges and other furniture on doors and windows throughout a property from a single, specialist supplier.

Matching the standards seen in similar window accessories, the Abberley range of internal door furniture is forged in high quality brass. It includes both traditional and modern designs in a wide range of colours to offer plenty of choice, with styling that corresponds precisely to Reddiseals' sash and casement window components. This offers a significant advantage to joiners and property developers, who generally look to source products from a small number of reliable suppliers whilst trying to match the colours of all furniture required.

The Abberley door furniture range includes eight different styles of handle including Swirl, Swirl Deco, Arch, Wedge, Dorsal, Dome, Tempo and Scroll, available on a variety of carefully chosen plates including rose, bathroom and lock plates. Victorian and beaded door knobs are also in the range, alongside a useful selection of colour matched accessories such as latches and hinges. Internal door handles from the well-known From the Anvil® brand are



Swirl deco ORB latch design

also available from Reddiseals.

Teresa Humphries, Reddiseals Director and General Manager comments: "Having led the sash window component market for a long time and introduced a huge range to cater for casement windows five years ago, it's a natural progression to now focus on providing internal door furniture to perfectly match our window ranges. We're well-established in the joinery market and known for the personable and knowledgeable service that we give joiners and developers on a daily basis. The Abberley door furniture range will be a welcome addition for our customers, making us a one-stop shop for good quality window and door accessories that will colour match precisely."

Part of the Worcestershire based Reddiplex Group, established in 1969,

Reddiseals offers a telephone and online sales service, in addition to sales via a busy trade counter on-site in Droitwich.

The company's range of window accessories is highly regarded and includes the exclusively manufactured Kensington range of furniture for sash windows in addition to the Norton collection, suitable for casement windows. An avid follower of the latest styling trends and colours, Reddiseals also provides plenty of classic designs that stand the test of time – each style designed to match across all products, even when a property includes both casement and sash windows.



Tempo design

For further information:
Tel: 01905 791876
www.reddiseals.com

JJO Praise DCS For Festive Service

Leading dust extraction specialist Dust Control Systems Ltd (DCS) has recently completed a major installation for J & J Ormerod plc, one of the UK's largest manufacturers of kitchen, bedroom and bathroom furniture.

With a history stretching back almost 150 years, JJO plc has developed from its roots as a small family joinery business into a multi-million pound operation, with over a million square feet of production and warehousing facilities. Although JJO now employs around 400 staff at its bases across Lancashire's Rossendale Valley, the company still retains its family business ethos and counts many third-generation employees amongst the workforce, including joint managing directors Stephen and Lee Greenhalgh whose grandfather, Ellis Greenhalgh, was apprenticed to the original Ormerod brothers, after whom the company was named. JJO's production facility, in Bacup, houses the latest in specialist production machinery and manufactures furniture for over 900 kitchens, bedrooms and bathrooms a week.

For many years, JJO has operated an ongoing environmental policy to minimise



A section of JJO's production line with newly installed ductwork and Ecogate® dampers.

waste, maximise recycling, and to reduce energy consumption. The company's environmental diligence has been recognised on many occasions with industry awards and, in December 2015, JJO completed its registration for ISO 50001 which requires an organisation to demonstrate that they have improved their energy performance. The main objective of ISO 50001 is to continuously improve energy-related performance and energy efficiency, and to identify energy reduction opportunities. "One of our key objectives was to improve the efficiency of the dust extraction system", says Bob Myers, production director at JJO. "DCS has maintained our dust extraction plant and taken care of LEV testing for many years, and we invited them to put forward a proposal to design and install a completely new system which would extract efficiently from the whole site."

Melvyn Bathgate, sales director at DCS, continues: "Over the years, JJO have increased production capacity with investments in new machinery, and additional dust extraction equipment has

been incorporated as necessary. As a result, independent installations, with an assortment of extraction fans varying in size from 7.5kW to 45kW, were serving multiple woodworking machines and associated equipment." In 2009, DCS installed energy-saving variable speed drive units to reduce energy consumption by controlling fan speeds, and JJO had benefitted from significant savings on energy costs. However, as Melvyn Bathgate confirms, "it was clear that investment in a state-of-the-art, centralised extraction system was now required to generate the energy efficiencies required, and it was also important to JJO that a new installation should accommodate further expansion in the future."

The proposal put forward by DCS was in fact for two identical modular extraction systems, located in a relatively confined space between two factory units, and adjacent to a 500m³ storage silo. Wood waste stored in the silo feeds a 2600kW Mawera biomass boiler which was installed in 2011, with support and financial assistance from the Department of Energy



In compliance with ATEX recommendations, the DCS installation includes a total of 10 explosion isolation flap valves.

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and Climate Change. The boiler provides heat for the whole site and, depending on the ambient temperature, can consume up to 70 tonnes of wood waste per week.

Following site visits, and discussions with Bob Myers and maintenance manager, Tony Devereux, JJO placed the order with DCS in October last year. As the short days of late December beckoned, the modular units arrived in Bacup; transported directly from Schuko's factory in Germany. "We had allocated a 3-week window for DCS to remove redundant equipment (which was to be recycled) and install the complete new system", explained Tony Devereux. "Work started the week before the Christmas shutdown, continued through the festive period, and the installation was commissioned as we re-opened in January."

The bespoke system comprises two Schuko ECOVAR VALIDUS modular filter units, approximately 8 metres in height, 14m long and 2.5m wide, each capable of extracting over 95,000m³/hr. These highly efficient units, fabricated from galvanised-steel, are designed for negative pressure operation and incorporate an integrated, flow-optimised configuration of four 37kW fan units which are located 'clean-side' of the anti-static, polyester needle-felt tubular filter bags. The filter units are designed for 24/7 operation, and dust deposits are removed from the filter media by a regeneration cleaning train – continually traversing across the top of the filter bags,



One of the ECOVAR VALIDUS filter units being craned in between buildings at JJO.

an arrangement of four 4kW cleaning fans generates a reverse airflow to remove dust from the filter media, and a pneumatic-mechanical shaker system releases any remaining deposits. All waste dust drops into the lower hopper section where a chain conveyor maintains a consistent flow of waste to the transfer fans which deliver the waste to a new cyclonic filter. From here, the material is transferred by a bucket elevator to the storage silo. In warmer months, when the volume of collected wood waste becomes surplus to the boiler's requirements, material is automatically diverted from the filter units directly to a bulk collection container.

JJO normally operate a 5-day, 2-shift production schedule, but switch to 24-hour working as and when demand dictates. However, whatever the shift pattern, dust extraction is not required for all machines, all of the time. This variation in extraction requirement is, of course, commonplace in the woodworking industry and JJO were keen to maximise the efficiency of the new system by incorporating Ecogate® 'Extraction-on-Demand' technology. DCS engineers installed new main ductwork throughout the factory and Ecogate® dampers were fitted at all primary extraction points. The two extraction systems are both managed by identical control panels and, as well as electrical circuitry and controls for ancillary equipment such as rotary valve and chain

conveyor, each cabinet includes an Ecogate® GreenBOX 12 which constantly monitors machine use; automatically opening or closing the Ecogate® dampers and adjusting extraction fan speeds, in real time, to match the continually changing volume requirement.

As part of an ongoing £750,000 investment plan, which also includes the installation of a centralised compressor system, the new dust control measures will ensure that JJO continues to operate efficiently, and more than satisfy Health & Safety and Environmental legislation for the foreseeable future. "Reliable, efficient extraction is essential to production, and this latest investment not only offers us reduced running costs, but will also cope with future requirements for increased levels of extraction", concludes Bob Myers. "As for DCS, I cannot fault the service from start to finish. The engineers were just brilliant – even working with helmet lights to ensure the project was completed on time despite the short winter days."



DCS installed two identical Schuko ECOVAR VALIDUS modular filter units, providing JJO with a total extraction capacity of over 190,000m³/hr.

For further information:
Tel: 0800 040 7116
www.DCSlimited.co.uk

DCS Win With Distinction

Dust Control Systems Ltd (DCS) has recently commissioned a new centralised dust extraction system for Distinction Doors Ltd – the UK's leading supplier of GRP composite doors.

Based in South Yorkshire, just off junction 36 of the M1, Distinction Doors is a trade only supplier to the UK door fabrication industry. The company has experienced a meteoric rise in success since the company's chairman, Drew Wright, first introduced composite doors to the UK back in 1999. Since then, over 3 million Distinction doors have been installed in the UK, and the company carries a stock of over 60,000 door blanks in its 86,000 square feet of warehouse space.

Distinction Doors now supply GRP composite door blanks to fabricators the length and breadth of the UK but, as well as supplying fabricators, the company has its own large production area dedicated to machining door blanks to commercial customers' bespoke specifications – doors are individually sized, and window apertures, letterbox slots, and lock and hinge rebates, are all machined to meet specific requirements.

With an ever growing order book, and the factory working to capacity 24 hours a day, 5 days a week, Distinction's management team made the decision to

increase production capacity by investing in another CNC machining centre. An order

machines now occupy a dedicated, spacious area of the warehouse – a move which



Waste is discharged pressure-free, via a rotary valve, and then transferred to collection bags by a series of 3 screw conveyors.

was placed with SCM for a new Accord 30 FX but, before it arrived, a complete re-planning of the production area was required. The company's four CNC

demand the installation of a complete new dust extraction system, including an externally-sited modular filter unit to replace the dust plant DCS had installed nearly 9 years ago.

Dust Control Systems has been a longstanding supplier to Distinction Doors, and the filter being replaced was originally installed by DCS when the company relocated to its current site in 2008. The old filter had coped with several additional machine installations over the years, but the new CNC was just a bridge too far, and Distinction Doors' production manager, Andy Copeland, invited his namesake Andy Hives, company sales manager at DCS, to appraise the changed extraction requirements. "A major consideration for DCS was that installation of the new extraction plant had to coincide with delivery and commissioning of the new Accord", says Andy Copeland, "but then all the existing machines had to be moved one at a time, over an extended period, to fit in



A section of the spacious production area at Distinction Doors – Ecogates dampers are fitted in the main ducting runs.

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with our production schedules.” The DCS installation team completed construction of the modular filter unit, and fitted new ducting throughout the production area in early July 2016. Following commissioning of the new CNC machine, DCS engineers returned to site on several occasions, as individual machines were relocated, and final commissioning and completion of the installation was completed in December.

At the heart of the system is a state-of-the-art Schuko ECOVAR VALIDUS filter unit – a modular, galvanised-steel unit, designed for negative pressure operation, with power provided by integral cascading fan units. This flow-optimised configuration of four 22kW fans provides excellent energy efficiency, and ‘clean side’ operation minimises fan maintenance, and ensures durability, by avoiding contamination by the abrasive waste dust generated by high speed machining of GRP composite door blanks. With an extraction capacity of 46,850m³/hr, the system installed by DCS will not only satisfy current requirements, but will also accommodate Distinction’s plans to upgrade existing machinery – an order has already been placed for a second Accord 30 FX to replace one of the company’s older CNC machines.

Dust-laden air extracted from the factory is drawn through anti-static, polyester

needle-felt tubular filter bags, and clean air is dispersed to atmosphere. The waste dust is continuously removed from the filter media by a regeneration cleaning train – an array of four 4kW cleaning fans traverses above the filter bags, generating a reverse airflow which forces the dust to detach from the filter media, and a pneumatic-mechanical shaking system releases any remaining deposits. All waste drops down into the hopper section where a chain conveyor distributes the waste dust, preventing blockages and maintaining a consistent flow to the rotary valve which discharges the waste pressure-free.

From here, waste is transferred to collection bags by a series of 3 screw conveyors. Machining door blanks with a moulded fibreglass outer skin and polyurethane insulating core generates extremely fine dust but, with a relatively low material loading, the waste is safely and conveniently collected in twin bulk bags. Level sensors ensure the bulk bags are never overfilled, and slide gates above each filling station operate alternately to allow safe removal of filled bags.

The new dust plant also provides extraction for two edgebanders, a beam saw, and a sander but, even though Distinction Doors operates a 24 hour production schedule, it is unusual for all the machines to be in use at the same time and, as Andy



DCS installed a Schuko ECOVAR VALIDUS modular filter unit with 46,850m³/hr extraction capacity.

Hives explains, “continuous, full-capacity extraction would be wasteful; to maximise energy efficiency, our design included the installation of an Ecogate® ‘Extraction-on-Demand’ system which constantly monitors individual machine use. Ecogate dampers fitted in the main ducting automatically open or close as machines come on or offline, and fan speed is constantly adjusted to match the changing extraction requirements.” Fitting an Ecogate system can make significant energy savings and DCS conservatively predict that the reduction in electricity consumption at Distinction Doors will cover the cost of the Ecogate installation in less than 18 months.

“DCS’s outstanding customer service and technical knowhow have once again proved to be a winning combination”, concludes Andy Copeland. “From initial discussions with Andy Hives, right through to final commissioning, DCS provided a thorough, professional service.”



In the event of an explosion, back pressure explosion isolation valves are designed to prevent the effects of a pressure wave and flames travelling back along ductwork and into the factory.

For further information:
Tel: 0800 040 7116
www.DCSlimited.co.uk

DUST EXTRACTION

Air Fit To Breathe By Dustraction At East Coast Fittings

Dustraction is installing a new dust management system at the factory of busy kitchen and bedroom fitted furniture systems maker East Coast Fittings at Rearsby in Leicestershire. The specified system is based on Dustraction's X5 CycloFilter, which will be dealing with production waste from a range of top German manufacturing legends including Weeke and Homag and will also accommodate the needs of any future increases in production margins.

The chief advantage of Dustraction's cyclo filtration system is the virtual absence of moving parts and therefore of future maintenance needs. The new Dustrax X5 Cyclo is designed to handle an air volume requirement at East Coast in excess of 32,000 cubic metres per hour of manufacturing time and to return clean air fit to breathe into the working environment at the Rearsby factory.

Dustraction's cyclo filter is the latest state-of-the-art technology. The filter is of hugely robust construction, having been fabricated in 3mm thick steel plate to last a virtual working lifetime. Competitive equipment currently on the market is more usually manufactured in lighter weight and therefore much less robust materials.

The new cyclo filter at East Coast Fittings will run 24 hours a day with no further need of maintenance; Dustraction has many examples of Dustrax systems



Dustraction's new dust management system at the factory of kitchen and bedroom fitted furniture makers East Coast Fittings.



The cyclo filter at East Coast Fittings is the latest state-of-the-art technology.

running in the UK on materials such as MDF and chipboard. Their cyclo filters are fully guaranteed for 6,000 hours, or for three years, and many installations are operating currently for comfortably upwards of 30,000 hours on their existing filter bags. One installation at SAM Mouldings in Antrim manufactures MDF mouldings and produces 1500kg of waste per hour, all being handled by a Dustraction cyclo filter.

Waste is tangentially blown into the filter chamber and 95% of the material is cyclonically separated before even reaching the filter media. Air passes through the filtration element leaving the

remaining 5% of the particulate to cake on the outside of the filter tubes. At a preset pressure drop, a short burst of compressed air is released down the inside of each filter sleeve, in the opposite direction to the travel of extraction air-flow, to dislodge all accumulated dust cake.

For further information
Tel: 0116 271 3212
E-mail: steve.matuska@dustraction.co.uk

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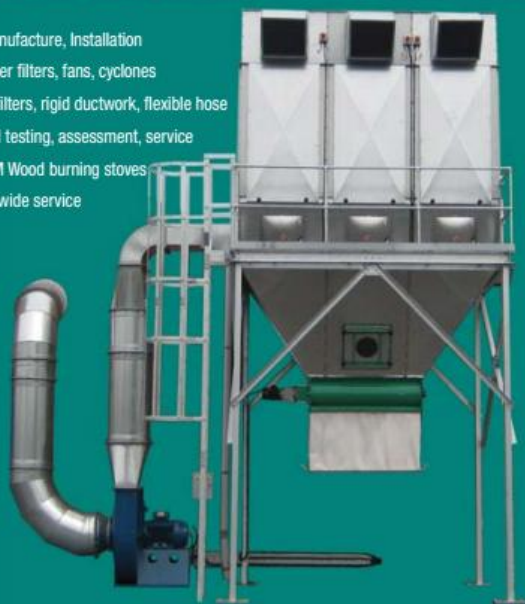


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Bespoke Business Saves Money On Bills With Wood Waste Heater

Bespoke kitchen and joinery brand, Bath Bespoke, has purchased a wood waste heater from Wood Waste Technology to save money on its heating and waste disposal costs.

Bath Bespoke is well known for high-end architectural joinery, bespoke kitchens and furniture throughout the UK and internationally. Their work can be found in some of the finest residences in the country as well as in Europe and most recently, Tel Aviv, Israel.

The brand's workshop is based on a farm in Winsley, a few miles south of Bath.

Whilst being based in a farm building has many advantages, not least the lovely farm shop and café on site, the 324 sq metre workshop, situated across 2 floors, is freezing cold in winter months, and very expensive to heat with only infra-red or fan heaters.

Director, James Etheridge, wanted to find a cost-effective heating solution, and liked the idea of a biomass heater that would also help the business save money on waste disposal costs, especially as the business was producing around a tonne of waste each week.

During his research on biomass solutions, James discovered the range of wood waste heaters from Wood Waste Technology, which are manufactured in the UK to a high quality, and have excellent reviews for reliability, with every heater ever sold still being operational today.

After speaking with Kurt Cockroft at Wood Waste Technology and arranging a quote and site survey, James ordered a WT10, which was installed by Wood Waste Technology's experienced engineers, who managed to vent the heat generated by the heater across the two floors of the building and into the spray booth.

James explains: "We're delighted with our new wood waste heater. We've gone from having a freezing cold workshop and spending thousands of pounds on waste removal, to the guys now working in just t-shirts due to the comfortable temperature in the workshop, plus we've drastically cut the amount of money we're spending each month on skips. The advice and help from the team at Wood Waste Technology has been excellent, and we've been really impressed with how the heater operates and how easy it is to use."

MD of Wood Waste Technology, Kurt Cockroft says: "We've been delighted to help James and the team at Bath Bespoke. Being located on an organic farm, James was initially worried about the amount of smoke that a biomass solution might emit, but we were able to allay his fears using previous client installations as examples, and, now it's installed and running they're delighted with the results, as the biomass heater's operation is almost unnoticeable."

Wood Waste Technology offers a full range of wood waste heaters, from small hand fired units to larger fully automatic systems, and offers site survey and design, as well as manufacture, installation and on-going maintenance. The company also services all types of wood waste heaters and supplies genuine spares up to 60% cheaper than other suppliers.



The WT10 wood waste heater installed at Bath Bespoke

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: 01785 250400
www.woodwastetechnology.com
www.grossuk.co.uk
www.putzmaus.co.uk

Bath Bespoke:

Tel: 01225 920900
www.bathbespoke.co.uk

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