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NOVEMBER 2019

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Weinig's VarioRip 310 offers the perfect combination of reliability, quality control and simple operation.



COMPACT, robust VarioRip is the ideal machine for small and medium-sized operations.

Whether as a multi-blade, or optimizing rip saw, the new VarioRip 310 impresses even in the standard version with high-quality equipment and excellent user-friendliness. The patented Quickfix quick clamping system enables rapid re-tooling.

In terms of ripping, changing timber widths,

qualities and defects mean average wood losses of 8 per cent with a standard fixed arbor setup. The VarioRip 310 features a lineal counter, which automatically stops the machine when a pre-set production volume is reached.

For the full story of how one US manufacturer of high-quality interior fittings is embracing the innovative technology of Weinig's VarioRip 310 rip saw, please turn to Pages 12 & 12 of this issue.

NEW MASTERWOOD SHOWROOMS OPEN

MASTERWOOD GB has opened new offices situated near Gatwick Airport with additional facilities for the company's first showroom.

The specially designed and built offices will allow Masterwood to expand and take on more office staff.

Very soon various open days will be arranged to demonstrate the full capabilities of the latest CNC machines and all software packages that

Masterwood has to offer its many customers throughout the UK.

The extra space will allow Masterwood to maintain a larger stock of more vital spare parts so, in the event of a break down, the company can get a machine up and running in the quickest time possible.

For the full story, please turn to Page 10 of this issue.



NEW MD

AFTER 31 years at engineering fastener specialists, family-owned Jet Press, Andrew Mitchell has been appointed as managing director following on from Ian Barnes who had spent 25 years with the company and 17 years in the role of managing director.

'Jet Press has always had a great team of highly skilled people and a track record of successful internal promotions,' says Oliver Guest from Jet Press Holdings.

'Andrew's knowledge and understanding of the business, customers, markets, suppliers and products is second to none. This, along with his strong commercial judgement, puts him in a great position to lead the business forward,' adds Mr Guest.



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Ormamacchine is proud to present its new Press with a Revolutionary and Patented Heating System entirely conceived and developed by the Ormamacchine Research and Development Office.

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- Possibility to set different temperature between upper and lower platens
- The platens max. resistance to the pressure is of 20 Kg/cm²
- No maintenance required. Compared to any other heating system, where periodic maintenance is always necessary, with this system such operation does not exist anymore
- No noise during its functioning



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FERWOOD HELPING TO BRIDGE THE GAP FOR BRIDGMAN

DOWNTIME is costly for any business, but when manufacturing performance door sets and fire doors for both the public and commercial sector, short lead times, consistency and guaranteed delivery slots are non-negotiable.

For Hartlepool-based Bridgman IBC Ltd, this has meant investing strategically in reliable machinery and, where necessary, doubling up on its most vital machines with the help of global reconditioned machinery supplier, Ferwood.

'Every manufacturer can relate to the frustration of machines breaking down and in our line of work, we can't afford to miss deadlines,' begins operations director, Peter Bowes.

'We trade principally on our ability to deliver product on time and, as a result, we go to extra lengths to eradicate any issues that may arise before they have the potential to disrupt our manufacturing capabilities and lengthen our lead times.

'In order to combat this issue, we've got a back-up for every process that takes place in our plant. We have more than one press, several means of cutting product to size and more than two CNC machines for cutting glass and lock mortises into doors.

'It's been a big investment to get us to this point, but it's important for us to identify areas of strategic weakness within our business. This has highlighted our need for an alternative edge-banding facility, so we are not hindered by a machinery breakdown going forward,' says Mr Bowes.

He admits that the company's existing Homag edge-bander works well with the dense timber needed to apply wood lippings to their FD30 to FD120 fire door range, but he recognises that even the best machines can break down unexpectedly and was keen to guard against any potential interruption to production.

'It was clear that we needed a new edge-bander to eradicate this doubt. We run both new and used machinery, each differing greatly in terms of the level of technology and the number of features they offer.

'On this occasion, we didn't need a machine with a plethora of fancy gadgets included. It needed to stick a lip on a door and trim it flush. That said, the machine needed to be sufficiently robust to cope with upwards of 200 hardwood lippings/day, each measuring up to 20mm thick - not the usual 6mm lippings used on a standard domestic door housing.

'It also had to be able to work with the same polyurethane hot-melt adhesive we've been using for a number of years. This would eliminate any problems with quality, or continuity, while also reducing the need to stock pile different adhesives.

'We also get asked to insert a lot of intricate ironmongery into the edge of doors and rebates as well as various profiles, so the new edge-bander needed to work efficiently with chunky pieces of material,' explains Mr Bowes.

After being signposted to Ferwood following a recommendation from a colleague and following the installation of a fully reconditioned "Ferwood Approved" UV tunnel on its lacquer line earlier in the year, Peter knew that Ferwood was a company that delivered on its promises.

'I was impressed by their level of service and the reconditioning process and, after highlighting a need for a second edge-bander, Ferwood was able to modify a machine to fit our needs perfectly. In fact, they built it especially for us,' says Peter.

Finding a used machine with the exact configuration needed by Bridgman IBC wasn't going to be easy, due to the rarity of machines on the market that were capable of working with wide hardwood lippings. However, with hundreds of used machines in its inventory, Ferwood was able to reconfigure the door manufacturer a machine to suit the required specification.

Ferwood's engineers used the frame of one machine - stripping it down and leaving only the controls in place - and remounted the necessary machining units on to it. It was built to fulfil the company's exact requirements and, because it had been assembled and tested in line with Ferwood's premium reconditioning programme, "Ferwood Approved", the bespoke edge-bander was installed into its new home by a specialist engineer. The purchase also came with ongoing technical support from Ferwood's after sales team and a six-month warranty for extra piece of mind.

'During the build process, Ferwood asked us to ship materials over to them, so that they could test the machine on our own door blanks, cores and lipping materials, so we could see what the machine was capable of. It looked and ran like new,' admits Peter.

After a visit to the factory in Italy to see the machine in action, the installation took place a few weeks later. From the first call to Ferwood's sales team to the machine running its first door set, it took just under three months.

'The benefits of buying a similar machine meant that our operators needed minimal training on the machine and its software. The engineer left no stone unturned and the installation was quick and easy.

'In fact, the whole team was knowledgeable, straight talking and responsive and that allowed us to achieve exactly what

we had set out to do. We highlighted a potential risk of business continuity that has now been dispelled thanks to Ferwood's ability to source the right machine for us.

'It was never a hard sell with Ferwood. It was more of a collaboration than a sales process. It wasn't a cheap solution, but we got what we paid for: a fully reconditioned edge-bander

that fits the bill. It has everything we need and nothing more. Going forward, Ferwood will be my first port of call,' concludes Peter Bowes.

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



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WEINIG HELPING PRADER TO DO BRISK BUSINESS

ALOIS Prader GmbH is fighting back against the quick-turnaround wood industry with quality. The firm compensates for its disadvantages in terms of location with modern, customised production technology.

The wild and beautiful Villnöss Valley, home of the extreme mountaineer, Reinhold Messner, is also home to Prader.

'However, holidaymakers' joy is a wood processor's sorrow. The mountain timber takes twice as long to grow as that on the lowlands and is destroyed by the mass-produced wood industry', says managing director Peter Prader, voicing his frustration.

To assert themselves, Prader invested in new production technology. The objective was to increase value creation, whilst maintaining top quality, an extensive product range and the shortest possible delivery times.

The centerpiece of the production line is formed by two Weinig planers. While the old machine is used for special applications, the new investment is purely aimed at improving productivity and flexibility.

This is achieved via 11 shafts, "floating spindles", which allow the lowest possible chip removal thickness and a tilting cleaving saw unit, which allows several work pieces to be produced in a single pass.

The results speak for themselves – Prader is doing brisk business. And the quality has also impressed the die-hard wood enthusiast.

'With Weinig technology, we achieve surfaces that are so good, our scanner detects significantly more defects than previously', says Peter Prader.

His verdict on the new planing line:

'We are better and significantly more productive and the flexibility it has given us has opened up new markets,' says Peter.

Managing director of Alois Prader GmbH, Peter Prader was keen to invest in new production technology from Weinig.

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



Mountain timber grown in the wild and beautiful Villnöss Valley takes twice as long as that grown on the lowlands and is easily destroyed by the mass-production timber industry, according to Peter Prader.

WEINIG CONCEPT

'IF I want an entire concept, there is no alternative to Weinig,' says Peter Weller.

The idea started in Hamburg. The production was outsourced to MeckPom. Using outsiders has really given the company a boost. However, the Dauerholz decking boards are an obvious hot topic.

A few years ago, a Hamburg carpenter made a sensational discovery: unlike similar preservatives, hot wax seeps into the core of the wood ensuring genuine deep protection.

The researcher found bold investors who believed in the idea, primarily because the outdoor area, with decking and construction timber, provides vast scope for ecological wax-impregnated wood with its high resistance to weathering, moisture and pest infestations.

A production plant was built in the perfect spot in Dabel near Schwerin.

The customised Dauerholz production line was designed and installed in close co-operation with the project specialists at Weinig Concept.

As well as a planing and profiling machine, a high-speed optimizing cross-cut saw, a curve cross-cut saw, a scanner and a finger-jointing line, the site also includes a tool grinder from the Weinig portfolio.

'We wanted to keep the entire process in-house as well as being completely autonomous in terms of tool preparation,' says Peter Weller, explaining the decision.

Dauerholz placed the greatest emphasis on the optimization of wood recovery and finishing.

'We performed a recovery analysis and established that we had more than halved cutting losses,' says Peter Weller.

This success is also partly attributable to the new moulder, which is equipped with "floating" vertical spindles whose flexible bearings allow it to follow the natural curvature of the wood over long lengths. This prevents "snipes" and "dips" on either end of the work piece and eliminates finish planing with further chip removal.

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SAVE MONEY WITH A WOOD WASTE HEATER

A SOFA manufacturer in Sussex has invested in a new wood waste heater from Wood Waste Technology.

Sofastyle produces an extensive range of sofas, sofa beds and corner units for retail stores, contract furnishers and hotels worldwide from its 8000ft² workshop in Newhaven.

Sofastyle was already familiar with the money-saving benefits of a wood waste heater, as they'd purchased one from a different manufacturer some years ago. When the time came to replace it, the team at Sofastyle chose to upgrade it with one of the heaters from Wood Waste Technology's range.

'Whilst our original wood waste heater wasn't manufactured by Wood Waste Technology, we regularly used the company to service and provide spares for the heater, due to Wood Waste Technology's cost-effective pricing,' explains managing director of SofaStyle, Chris Horsnell.

'When we realised that our old heater needed to be replaced, we contacted Wood Waste Technology about buying a brand new one from them,' adds Chris.

'Once you've experienced the benefits of a wood waste heater, you never want to be without one again.

'It's a great source of heating and such a cost-effective way to get rid of the large amount of waste wood generated as a result of our manufacturing processes.

'We love the service we receive from Wood Waste Technology and know that the wood waste heaters they produce are of a quality second-to-none, so it was an easy purchase decision to make,' concludes Chris.

'We're delighted that SofaStyle chose a Wood Waste Technology heater as a replacement for their original heater,' says managing director of Wood Waste Technology, Kurt Cockroft.

'Our heaters have a great reputation in the industry, as every wood waste heater

we've ever sold is still in operation today,' adds Mr Cockroft.

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

The company also services all types of wood waste heaters and supplies genuine spares up to 60 per cent cheaper than other suppliers.

In addition, Wood Waste Technology is the UK's official distributor for Gross Apparatebau GmbH, a German manufacturer of dependable, precision engineered shredders and briquetters.

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

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A HIDDEN THREAT

A NEW industry report written by a leading journalist that shines a light on the invisible threat of HAVS reveals the extent of the problem.

There are two million workers at risk of developing Hand Arm Vibration Syndrome (HAVS) in the UK and currently 300 thousand people suffering advanced stages.

Yet, the current regulations in place offer limited protection for workers and are potentially putting people at risk.

Hand Arm Vibration Syndrome is often caused by an over exposure to vibrations when for example using hand-held power tools.

Symptoms include bouts of vibration white finger, where fingers lose all feeling and turn white in cold temperatures, muscle fatigue, potentially resulting in disability, and, in some cases, carpal tunnel syndrome. Symptoms can take time to become apparent.

Workers who suffer from HAVS are often forced to change jobs or quit work entirely.

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

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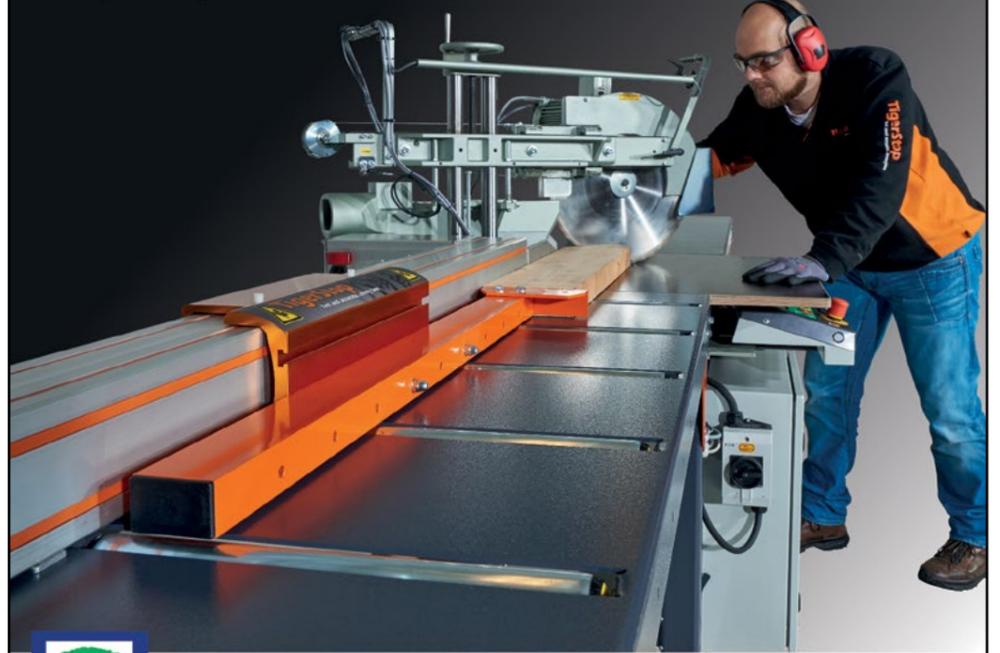
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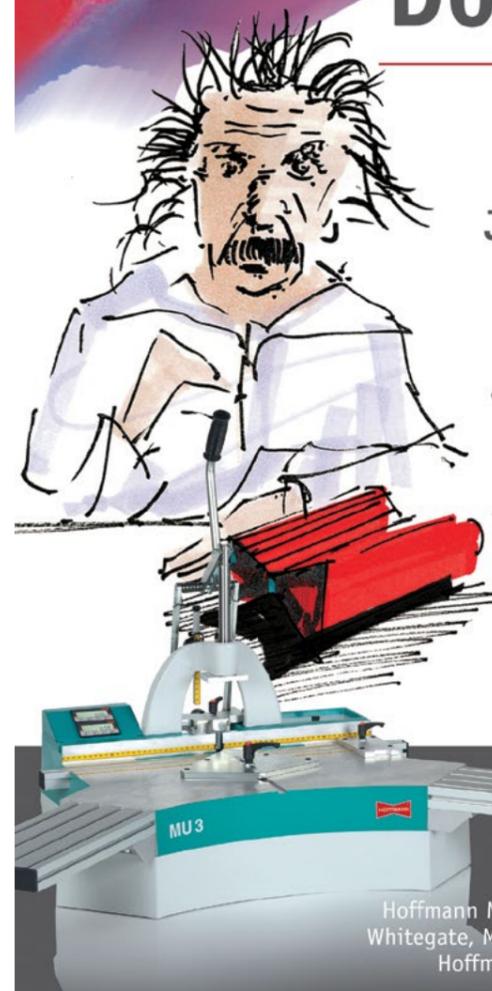
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FORMACARE WELCOMES STRONG UPTAKE OF ITS VOLUNTARY AGREEMENT PROTECTING WORKERS



DURING the 2019 European Week for Safety and Health at Work, Formacare has made great strides in implementing its Voluntary Agreement to implement a pan-European occupational exposure limit (OEL) for workers in the formaldehyde sector.

Six months after signing the Voluntary Agreement, the vast majority of producers have implemented the agreement, with all their workers below the occupational exposure limit of 0.3ppm.

The results show that 54 per cent of workers face no exposure at all and 32 per cent are well below the limit at 0.1ppm. A first annual progress report will be published in 2020 detailing the full results.

'We are really pleased with the progress in implementing the agreement so far,' says chairman of Formacare, Lars-Eric Johansson.

'It reflects the strong commitment of our sector to ensuring the best working conditions for its employees.

'We know that there is still more to do and we continue the hard work until the agreement is fully implemented across the sector,' says Lars-Eric Johansson.

'We look forward to publishing the full results in our progress report next year,' he adds.

The Voluntary Agreement is a unique commitment resulting from collaboration between Formacare and the European Chemical Employers Group, as well as trade unions representatives from the European Trade Union Confederation and industrialALL.

It voluntarily implements OEL values two years head of the requirements from the Carcinogens and Mutagens Directive.

Formacare is currently looking at how the voluntary agreement can also be extended to downstream users to ensure that the same level of protection is proactively covering the whole value chain.

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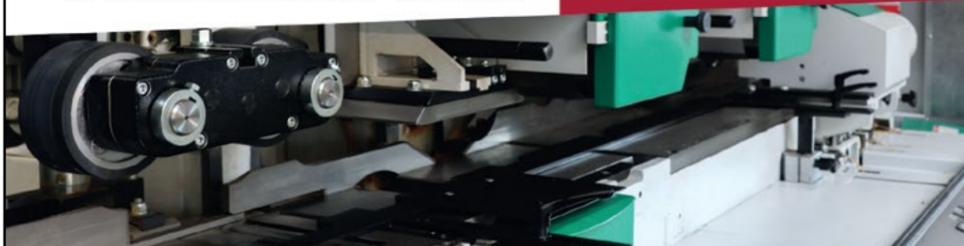
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MAKE SAWING SIMPLE WITH MAKITA'S NEW RANGE OF CIRCULAR SAWS

POWERED by Makita's Twin 18V LXT battery technology, the DHS782ZJ and DHS783ZJU are both high-power cordless circular saws that can be used across a range of tasks. Both circular saws also utilise 190mm "EFFI-CUT" saw blades – making them perfect for heavy-duty applications.

For ease of operation, they are compatible with a Makita guide rail, without the need for an adapter; so there is minimal set-up required – improving on-site efficiency.

Both machines include Makita's innovative automatic torque drive technology (ADT), which automatically



adjusts the cutting speed of the machine according to the load conditions. The tools also include an overload warning lamp, to clearly inform the operator when the load is too high.

These features mean that the tools can continue to operate at their optimum – preventing them from overloading and overheating and resulting in improved productivity on-site.

The inclusion of Makita's brushless motor ensures that they require minimal maintenance. Due to the omission of brushes within the motor,

there is no friction – this means that no energy is lost through heat production, making these cordless circular saws incredibly efficient. This also extends the life cycle of the machines.

The DHS783ZJU includes Makita's auto-start wireless system, which means that it can be easily connected to a compatible dust extractor via a Bluetooth link – optimising the dust extraction process.

Both models offer a maximum cutting capacity at 0° of 62.5mm (at 45° it is 44.5mm and at 48° it is 42mm). They also have a net weight of 4.5kg-5.1kg.

Makita's new circular saws are both body only machines and come in a Makpac Type 4 case for ease of transportation.

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

MAKITA EXPANDS ITS CORDLESS RANGE

MAKITA has added two new products to its cordless saw range – the Twin 18V Brushless 305mm slide compound mitre saw LXT (DLS211ZU) and the 18V portable band saw LXT (DPB182Z).

The former is a high-powered 305mm slide compound mitre saw with increased cutting capacity. For improved operator safety, it includes Makita's auto-start wireless system (AWS).

AWS connects the tool to a compatible dust extractor using a Bluetooth link – and ensures that when the tool is in use, the extractor is automatically turned on to remove any dust produced. The saw also includes Makita's new dust extractor clip system – which ensures that the extractor remains securely in place during use.

For optimum operation, this is a 36V (2 x 18V battery) model, which includes Makita's automatic torque drive technology. It automatically adjusts the saw's cutting speed according to the load conditions.

It has a maximum mitre range of 60 deg to 60 deg (L-R) and a maximum bevel range of 48 deg to 48 deg (L-R). Maximum cutting capacity is 92mm x 382mm, or 107mm x 363mm at 90 degrees. The machine weighs 30.7kg - 31.3kg with a no load speed of 4,400rpm.

Another addition to Makita's cordless range is the DPB182Z

portable band saw - a light-weight tool (3.8kg-4.1kg), which is perfect for cutting through conduit, copper pipe, threaded rod, angle iron and channel.

Its cutting capacity for round pipe is up to 64mm in diameter and square pipe is up to 64mm x 64mm. Its highly rigid aluminium structure ensures stable cutting and it has a tracking facility, so that the blade does not drift during operation.

It features a tool-less blade change lever – making changing the blade a fast and effortless process. The tool can also be used one handed, due to the wheel cover, which encloses the blade outside the cutting area.

'Both the DLS211ZU and DPB182Z are powered by Makita's innovative 18V Lithium-ion (LXT) batteries. The inclusion of LXT means that the DLS211ZU and DPB182Z benefit from industry leading run times and charge times and anytime battery charging – improving on-site efficiency,' says marketing manager at Makita, Kevin Brannigan.

'The DLS211ZU uses the Twin 18V LXT technology, with the result that the tool benefits from a total of 36V,' he adds.

Both the DLS211ZU and DPB182Z have a vibration K factor of 1.5m/s² and the sound K factor for both machines is 3dB(A).



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NEW MASTERWOOD SHOWROOMS OPEN



IN July Masterwood GB started operating from new offices near Gatwick Airport with facilities for the company's first showroom.

The specially designed and built offices will allow Masterwood to grow and take on more office staff to deal with the servicing of machines, spare parts and training.

This exciting time for Masterwood GB comes after the company achieved 10 years of trading in February 2019, although many of its staff have been connected with Masterwood Spa for up to 30 years.

Masterwood is now working on the showroom, which began operation at the end of September.

Very soon various open days will be arranged to demonstrate the full capabilities of the latest CNC machines and all the software packages that Masterwood has to offer.

Bespoke product demonstrations will also be available for existing and new customers.

Dedicated software packages for stairs, windows, cabinets, doors, furniture and 3D are all available through Masterwood as a complete package - a unique situation in this industry.



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MasterDOOR



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Muti Mortisers
Oscilating Chisel Mortisers



Masterwood will be offering bespoke training packages to suit all levels and abilities for both CNC and software with its team of experienced technicians.

The extra space will allow Masterwood to maintain a larger stock of more vital spare parts so, in the event of a break down, the company can get a machine up and running in the quickest time possible.

A large supply of tooling, cones and collets, as well as second-hand parts that are no longer obtainable for the older machines, will also be kept on site.

While Masterwood GB has always helped customers who have brought second-hand machines elsewhere and will be pleased to continue doing so, the company will now be able to deal directly in more second-hand Masterwood CNCs.

For further information tel Masterwood on 01293 402700.
Visit www.masterwood.com

THE LAUNCH OF NEW 1,000-PAGE CATALOGUE

THE UK's largest online supplier of ironmongery, IronmongeryDirect, has launched its latest 1,000-page catalogue for tradespeople.

With over 17,500 products in stock, the new catalogue includes hundreds of new items, which are available to order online for next day delivery.

IronmongeryDirect has been supplying architectural ironmongery to tradesmen for 50 years. Starting out as a traditional shop, today customers can browse the catalogue and buy online, or over the telephone.

Orders can be placed as late as 8pm Sunday-Friday for fast next day delivery and by 4pm on Saturday.

For further information visit ironmongerydirect.com/free-catalogue.

Masterwood GB Ltd

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Email: office@masterwoodgb.co.uk



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INEVITABLY, IT WAS BACK TO WEINIG

THE Swiss are accustomed to precision workmanship. Still, Lüchinger AG struggled with an automatic moulder from the Far East for four years. Finally they had had enough.

Full order books are a fine thing. However, it can be a problem if your production capacity is not up to the task.

That is why the staff at Lüchinger AG were delighted when an Asian manufacturer offered them an immediately available planer that was a perfect complement for their long-serving Weinig Hydromat.

The Swiss firm accepted the offer and bitterly regretted it: there was one material defect after another and breakdowns were a daily occurrence. Whatismore, the promised performance was far from being achieved.

When the local service operation closed its business, Max Lüchinger drew a line in the sand.

'We realized in that moment that you have to take your time to obtain a functioning, customised solution,' says factory manager, Arthur Pfiffner.

Inevitably, the road led back to Weinig. The Tauberbischofsheim specialists partnered with Lüchinger to develop a customised production concept based upon the Powermat 2400.

The Weinig Powermat 2400 provides the high-end solution for industrial production

No matter which market you are servicing, you will always have the right machine concept in the Powermat 2400.



Weinig partnered with Lüchinger to develop a customised production concept based upon the Powermat 2400.



Arthur Pfiffner pictured here with some of the staff at Lüchinger AG and the Powermat 2400 on which the company's customised production concept is based.



Above and below, it is advisable to have a strong machine infeed that supports the transportation of parts through the machine.

This model offers you both a high-performance platform for the demanding requirements of every day multiple shift operation, combined with great flexibility.

This is assured by a modular system with a wide range of aggregates, tools and feed speed solutions. The modular design and large number of options enables the most diverse applications.

Whether planing beams at 10m/min or producing mouldings at 100m/min; whether 4,000rpm or up to 12,000 rpm – Weinig's specialists can build the ideal Powermat 2400 for your requirements.

With spindle speeds up to 12,000rpm, jointing technology and strong feed systems, the system provides optimal conditions for series production combined with legendary Weinig surface quality. The Powermat 2400 offers truly state-of-the-art technology in terms of profiling.

By upgrading the machine with the PowerMech automation system, you can increase efficiency significantly further.

The PowerMech modules are the key to maximum profitability and optimal productivity. The functional units range from an infeed or outfeed system through scanning and conveying to packing and stacking.

With the high level of automation, it is up to the individual purchaser to decide how far to exploit the amazing

capabilities of the Powermat 2400.

Jointing technology and hydro tools produce excellent surface quality. Together with the Weinig PowerLock system, they are unbeatable.

In the Powermat 2400, you can choose this combination and easily benefit from it: Jointed tools developed by Weinig ensure that all knives in the cutterhead have an absolutely identical cutting circle.

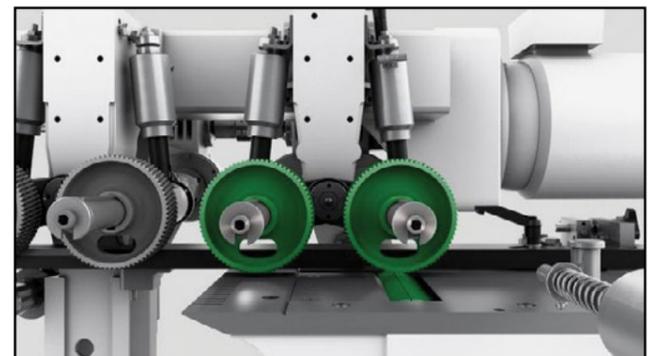
This means that PowerLock produces excellent surface quality at up to 10,000rpm and maximum feed speeds!

Both the straight jointer for four-sided planing – automatic or manual operation – and the fully automatic profile jointer can be used.

Weinig know-how and experience guarantee complete process reliability.

Depending on the condition of the raw material, it may be advisable to have a strong machine infeed. Particularly with bent, damp or heavy pieces, it is advisable to have a strong machine infeed that supports the transport of parts through the machine.

The three-roller infeed ensures optimal feeding force for strips and boards, particularly when combined with infeed mechanization. A heavier version is available in the four-roller infeed with two opposing roller pairs.

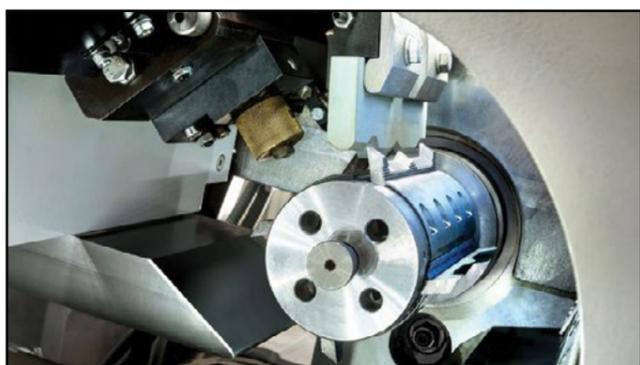


With the help of the Uni spindle and state-of-the-art technology for structure planing and carving, Lüchinger now handles every market demand with complete process reliability.

'After years of uncertainty, we are very relieved,' says Arthur Pfiffner.

And if Lüchinger ever needs any advice, the Weinig telephone hotline is at their disposal. There is always an expert contact partner immediately on the line who can help, Arthur Pfiffner underlines.

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



Jointing technology and hydro tools produce excellent surface quality. Together with the Weinig PowerLock system, they are claimed to be unbeatable.

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INTELLIGENT RIPPING?

IN 1932, brothers, John and Rudy took their German grandfather's knowledge of wood as a raw material to Wisconsin.

Today, the family business, Lange Bros. Woodwork is one of the premier addresses for high-quality interior fittings in the USA.

When it comes to refined and sophisticated finishes, the Lange Bros Woodwork team can provide the inspiration. The result is impressive reference projects throughout the country.

The company has a particularly excellent reputation as a restoration specialist.

With a dynamic pair of siblings at the helm, the new generation of the family is currently on a growth trajectory.

The company is currently in the process of optimizing and expanding its moulding and cutting operations. This included

the acquisition of a rip saw.

The chosen model was a VarioRip 310 with infeed automation. The compact, robust VarioRip is the ideal machine for small and medium-sized operations.

Whether as a multi-blade, or optimizing rip saw, the new VarioRip 310 impresses even in the standard version with high-quality equipment and excellent user-friendliness. The patented Quickfix quick clamping system enables rapid re-tooling.

SafetyPlus, developed and patented by Weinig, ensures optimal operator protection.

The double-sided prism guide of the feed chain is completely play-free. The accurate work piece transport that this achieves is a pre-requisite for precise cutting results. The specially harmonized alloys also guarantee a long service life of the feed system.

In terms of ripping, changing timber widths, qualities and defects mean average wood losses of 8 per cent with a standard fixed arbor set-up.

The RaimannLine moving blade technology ensures efficient use of the raw material. With one or two automatically adjustable saw blades, you can adapt your

VarioRip individually to any rough board.

Optimizing timber yield in this way reduces material and warehousing costs significantly. In other words, wood optimization means cost minimization. The almost unlimited possible combinations of fixed and movable saw blades also decisively increase the flexibility of your production, thus enabling just-in-time and small batch production.

SafetyPlus provides optimal protection for the machine operator. An additional Kevlar curtain complements the conventional splinter curtain. This optimally seals the danger zone. This patented safety feature is standard with all Weinig rip saws.

Upgraded with up to two automatically adjustable saw blades, the VarioRip offers an intelligent entry into wood optimization. The modular design allows the VarioRip to be optimally adapted to every requirement.

One option for extension is RipAssist for automatic width optimization. With the addition of RipAssist, you can make optimal use of raw materials more easily than ever before. The addition of a laser allows you to see what you can saw and spikes fitted to the chain enhance the grip on the workpiece.

'When we were looking for a rip saw, we were particularly concerned about reliability, quality control and simple operation,' says Rory Lange, explaining why the saw had to come from Weinig.

'The VarioRip 310 has precisely these benefits,' adds Rory.

'He was particularly impressed by the convenient adjustment of ripped widths to meet changing requirements and the laser measuring system that helps the operator to achieve optimal wood yield with minimal waste.

Another of his favourite features on the VarioRip 310 is the lineal counter, which automatically stops the machine when a pre-set production volume is reached.

'It is exactly innovative technology like this that will allow us to move forward, as we seek to satisfy the wide-ranging requirements of our customers and to ensure that we remain responsive to their needs,' concludes Rory Lange.

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



This is what satisfaction looks like: the Lange Bros. Woodwork team.

The VarioRip 310 offers the perfect combination of reliability, quality control and simple operation.



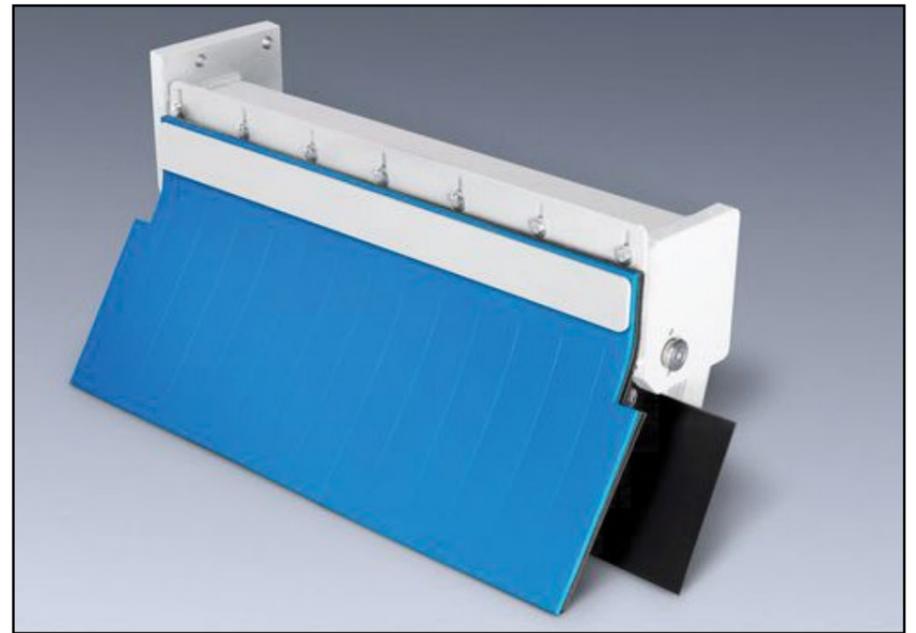
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NO PROBLEM FOR WEINIG



The double-sided prism guide of the feed chain is completely play-free. The accurate work piece transport that this achieves is a pre-requisite for precise cutting results



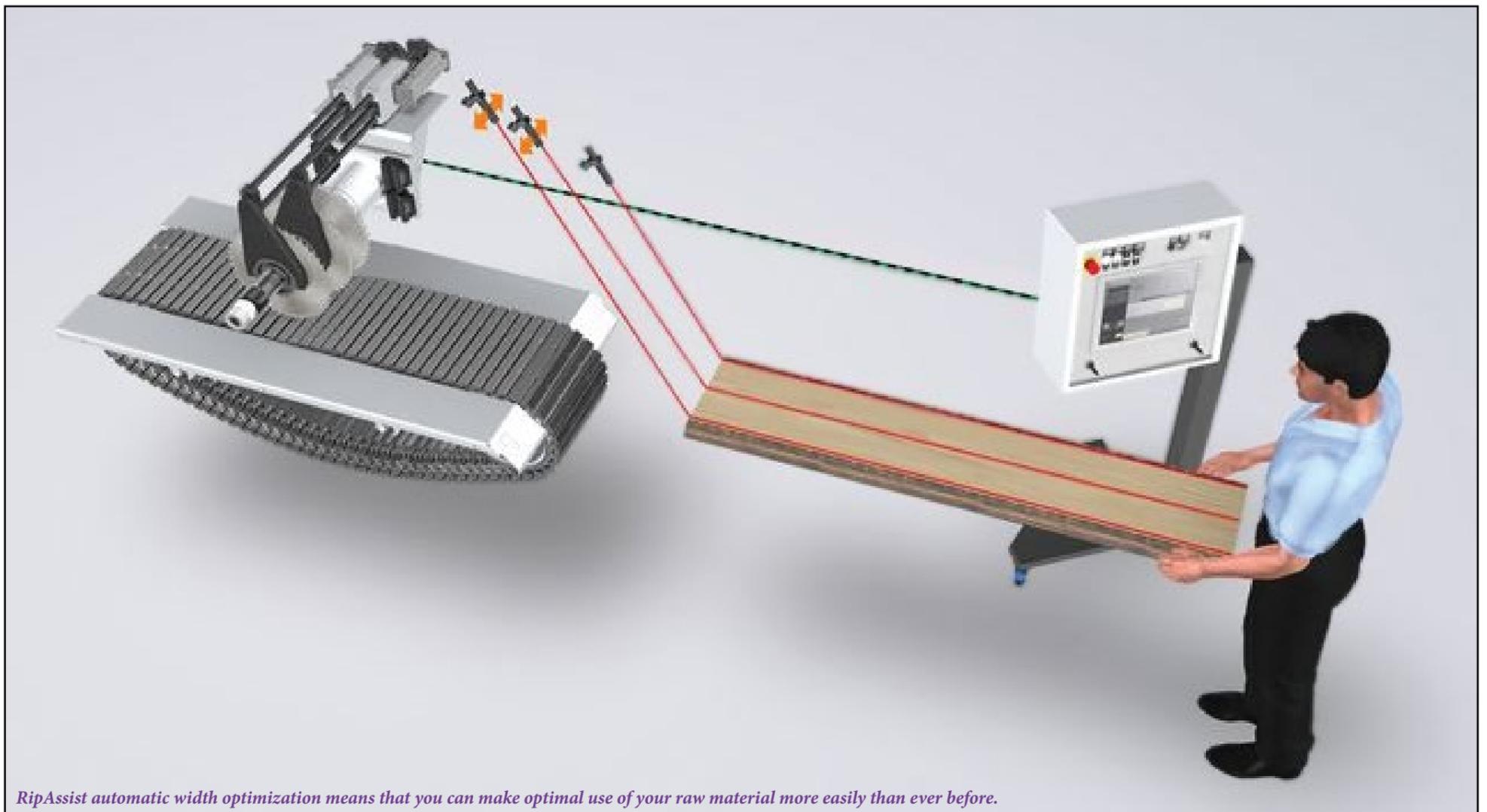
SafetyPlus provides optimal protection for the machine operator. An additional Kevlar curtain complements the conventional splinter curtain.



Automatically adjustable saw blades are a feature of the VarioRip 310 from Weinig and these help to ensure a perfect cut.



Perfect cut quality is assured with Weinig's VarioRip 310 which also features short set-up times, as well as ease of operation.



RipAssist automatic width optimization means that you can make optimal use of your raw material more easily than ever before.

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EXTRACTION SOLUTIONS GOES BACK TO THE CLASSROOM

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

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

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

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

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

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

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

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

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

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

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

The fan includes both temperature

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

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

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

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

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

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

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

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

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



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LIGNIA WOOD COMPANY JOINS WATER REVOLUTION FOUNDATION AS A NEW CORPORATE PARTNER

LIGNIA Wood Company, a manufacturer of the sustainable real-wood alternative to Burmese teak, LIGNIA Yacht, has joined Water Revolution Foundation as a corporate partner.

Both organisations have similar aims and objectives to improve the eco-friendly credentials of the yachting industry.

The Water Revolution Foundation aims to neutralise the foot-print of the yachting industry and preserve the world's oceans. It is the first independent, international non-profit organisation that works to drive sustainability within the super yacht industry.

LIGNIA uses sustainably sourced wood from FSC® certified plantations to create LIGNIA Yacht, a beautiful and durable alternative to teak decking.

The unique product is created via a timber modification process at LIGNIA's state-of-the-art plant in Wales. The process results in a real wood product that has the physical properties and appearance of popular hardwoods.

'We're delighted to join and support the Water Revolution Foundation – an organisation that values the importance of sustainability within the super yacht industry,' says LIGNIA Wood Company chief executive officer, Hans Ng

'We pride ourselves on using sustainable wood for our products and joining forces with the Foundation highlights the commitment we continue to make to conserving the world's most precious resources,' he adds.

'Our Foundation unites leading companies in the super yacht world that are signing up to our mission and are all committed to a better future for everyone,' says executive director at Water Revolution Foundation, Robert Van Tol.

'We're pleased to welcome LIGNIA Yacht on board as a corporate partner and look forward to working with them to support change in the super yacht world,' adds Mr Van Tol.

LIGNIA® Wood Company is a manufacturing business based in Barry, South Wales which produces modified timber for global markets. At its state-of-the-art facility, using its patent-pending resin impregnation process, the company manufactures the following product ranges:

- LIGNIA is a legal, sustainable and beautiful high-performance wood for general joinery purposes.
- LIGNIA Fire is suitable for use in cladding and decking, which features "built-in" fire retardancy (USA markets initially, with ASTM -E84 Class A rating).
- LIGNIA Yacht is the only proven wood alternative to Burmese Teak for yacht decking.

LIGNIA is manufactured from a fast-growing FSC®-certified softwood, modified to become a timber with excellent durability, stability and physical properties, making it suitable as a substitute for tropical hardwoods, helping to reduce deforestation.

This timber is designed to be "wood made for life" with greatly improved performance against decay and fire.

Its product range has been and continues to be tested and approved by independent test laboratories and by LIGNIA's research and development team at the Barry site.



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For further information tel LIGNIA Wood on 01446 507077.
Visit www.lignia.com



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www.martin.info

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NEW VERSIONS OF T-TYPE HINGES

WITH a close eye on emerging trends in the international furniture market, cabinet hardware expert, Titus has developed TeraBlack versions of many of its most popular products, including its hugely successful T-type hinges.

The new Tera (Titus Enhanced Resistance Application) versions feature an exceptionally attractive non-reflective dark grey finish, which not only retains its superlative appearance throughout its working life, but also offers enhanced resistance to corrosion.

'At Titus, we put a great deal of effort into monitoring developments in the furniture sector and recently we've seen a growing demand for matte black cabinet hardware,' says general manager at Titus UK, Phil Beddoe.

'We weren't satisfied, however, with the idea of responding by simply offering another colour option. Instead we wanted to offer a market leading solution that combined a visually appealing dark matt finish with genuine and valuable product benefits.

'Drawing on our unique expertise in cabinet hardware development and manufacture, that's exactly what we've done with the new TeraBlack versions of our products,' adds Mr Beddoe.

Particularly well suited to applications in high-end premium kitchen furniture, Titus TeraBlack products fully meet the requirements of designers and consumers looking for unobtrusive, yet attractive cabinet hardware.

They have highly uniform surfaces and a velvet feel that complements their quality and enhances consumer appeal. In addition, they are highly resistant to scratching and surface damage and to the effects of general wear and tear.

The new TeraBlack products are Titus engineered solutions supported by tightly controlled, repeatable, efficient, flexible and scalable manufacturing processes that provide the performance, consistency and quality essential to manufacturers of high-end furniture.

For further information tel Titus on 01977 682582.
Visit www.titusplus.com/uk

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Table Size: 640 x 640mm
Table Tilt Adjustment: -20° - +47°
Band Wheel: 450mm
Saw Blade Length: 3430mm
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Clearance height/width: 300 / 440mm
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400mm 590mm

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Table Size: 840 x 640mm
Table Adjustment: -15° - +47°
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Saw Blade Length: 4425mm
Cutting Speed: 1200m/min
Clearance height/width: 400 / 590mm
Motor: 230v / 415V
Input: 2800W / 3800w

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THE IMPORTANCE OF DUST MANAGEMENT

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

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

An introduction to wood dust

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

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

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

Removing harmful dust at the source

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

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

Dust extractors and what to look for

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



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

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

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

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

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

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

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

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

SHREDDER AND BRIQUETTE PRESS RANGES PROVING POPULAR

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

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

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

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

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

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

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

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

They feature low wear and can be rotated several times

before they have to be replaced,' adds Reg.

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

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

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

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

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

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



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PRODUCTION SOFTWARE TURNS DESIGNS INTO REALITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

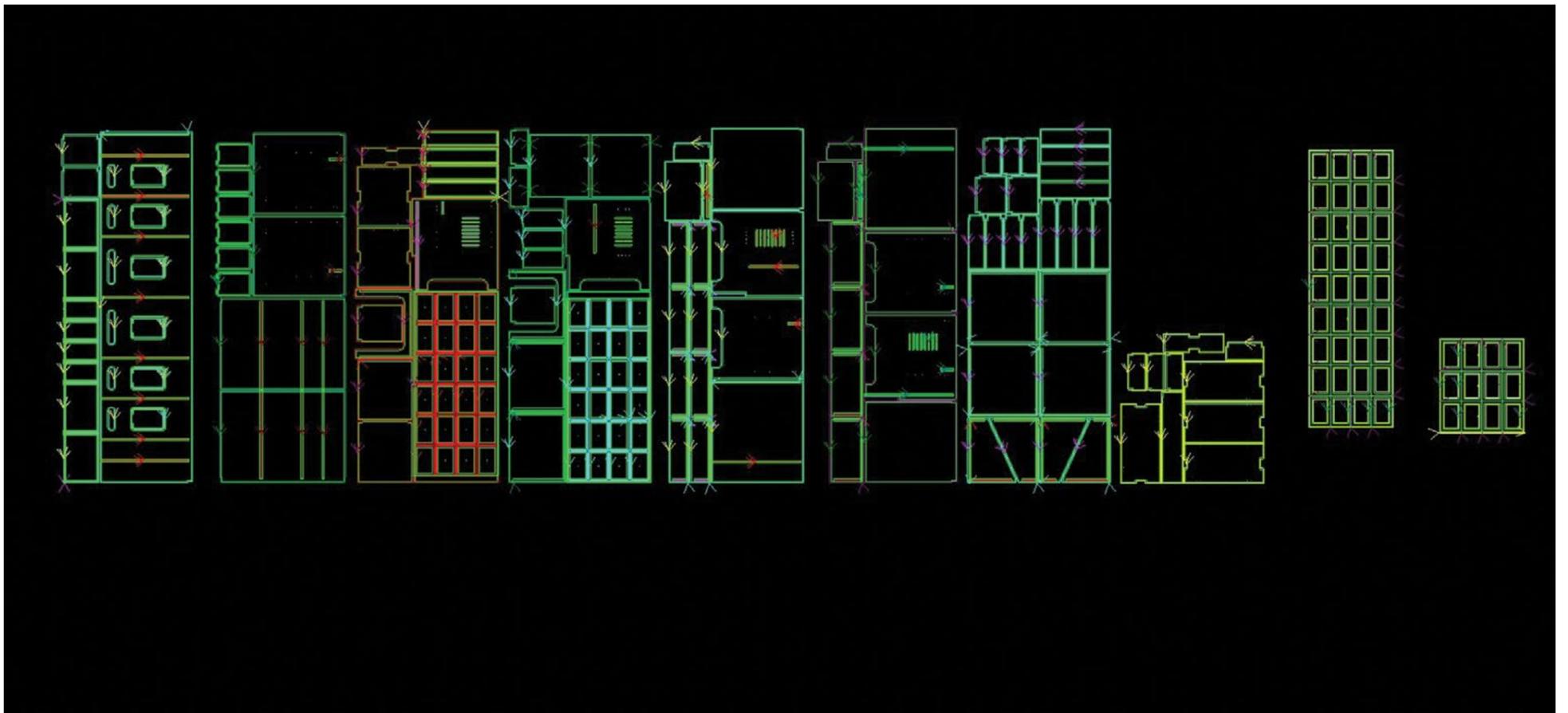
In addition to the software producing drawings showing all the panels coming off the router, Label-IT enables their operator to clearly visualise the panels, print labels at the machine and then simply place them on the parts as they're nested out.

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

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

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

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



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HELPING TO PREVENT FIRE AND EXPLOSIONS WITH MODESTA

WITH the high risk of fire and explosion being an obvious hazard in the woodworking industry, it is not easy to keep up with both the latest legislation and increasing HSE and insurance checks on proper dust extraction equipment.

Modesta often receives questions on ATEX or EN standards – but what do these regulations mean and why are they necessary?

Imagine that it is the end of the working day in your factory and everyone is about to head home.

Whilst the last door is being sawn, a hot particle is sucked into the dust extractor and reaches the filter installation, where it starts to smoulder. By now, all the staff have actually left and a fire could spread quickly without anyone noticing.

As harrowing as the idea of your filter installation burning down overnight might be, it would be even worse if the fire spread to the factory itself.

There are so many aspects of the production process involving fire and explosion hazards and just as many measures one can take to minimise these risks.

However, it is just as important to have the right fire-regulating measures in case a fire, or an explosion does actually occur.

This is what happens several times a year in woodworking factories across the country – a filter that complies with legislation prevents flames, or an explosion from spreading to the rest of the factory.

Minimising fire and explosion hazards is vitally important in a working environment where all the elements needed for a fire to ignite, or an explosion to occur are naturally present – heat, an inflammable substance (such as sawdust) and oxygen.

A factory also has to comply with European and local legislation.

‘We understand that keeping up with all these different regulations is complicated and it’s not the first priority of a woodworking professional, explains managing director of Modesta Filters, Wyboud Kloppenburg.

‘That’s why we would like to offer our expertise and years of experience in dust extraction to provide a clear overview of the rules, potential hazards and possible solutions,’ he adds.

In order to understand legislation, such as the DSEAR, one must first take a look at European regulations. All machinery used in the EU needs to bear the CE mark, which testifies that the machine has been designed in accordance with any equipment-relevant safety guidelines.

ATEX, the name used for European directives covering explosive atmospheres, comes into play in industries where combustible dusts, or fuels are used, or produced during production.

In order to make ATEX easier, several institutes have designed harmonised EN standards, which offer the machine designer and user a more practical way of dealing with the legislation.

A few of these EN standards apply in the woodworking industry, including EN 12779 for the safety of woodworking equipment and dust extraction and EN 16770, which specifically covers extraction units for indoor use.

It should be noted that ATEX focuses mainly on the safety of personnel, limiting the damage and containing the fire, or explosion when it happens, but it does not necessarily consider the prevention of fire and explosion hazards.

According to Modesta, units designed in accordance with EN 12779 are the way to go, if one wants to ensure that the system complies.

In the UK, the requirements specified in ATEX were put into effect through the Dangerous Substances and Explosive

Atmospheres Regulations 2002 (DSEAR).

‘In a woodworking factory, every part of the production process comes with its own specific fire and explosion hazards,’ says Wyboud.

‘It’s important to be able to identify these and come up with a fitting solution,’ he adds.

To begin with, a woodworking machine can be a fire hazard in itself, if dull tools are used, or if its parts are jammed, or not running smoothly, resulting in sparks.

That is why regular and thorough maintenance is vitally important when minimising fire and explosion hazards.

Even when machines are properly maintained, sparks can also occur, due to small metal pieces and hot particles being sucked into the extraction system.

Sawdust from wood production is extracted into a ducting system before ending up in the filter itself. The sparks can set left-over sawdust on fire in the ducting system.

‘This can be prevented by always ensuring that your filter system has a sufficient extraction capacity for the size of the factory you’re operating, to prevent dust accumulation in the ducting,’ explains Wyboud.

Factory plans and production capacity can change over the years, resulting in a different set-up, or a higher extraction need.

‘When the system isn’t operating within its ideal range, this doesn’t just mean a loss of energy, but it’s also a potential fire hazard,’ explains Wyboud – which is why it is so important to re-assess the capacity of the dust extraction system regularly, especially when changes occur on the factory floor.

A periodic Local Exhaust Ventilation (LEV) test is mandatory and essential in maintaining a safe working environment.

However, this test assesses the extraction capacity of a system, not the risk of sparks within it. Although not mandatory according to ATEX regulations, a spark detection system, combined with an automatic fire-extinguishing system, will prevent fires in the pipes.

The filter system itself can also pose a danger, as any ignited sparks in the ducting system will be sucked into the filter itself.

According to Modesta, fire valves offer the solution here in that they ensure that the fire is contained in the filter and prevent further damage to the rest of the factory.

‘Fire hazard should be considered at the very beginning when setting up a new factory,’ says Wyboud.

For instance, the positioning of the filter system itself can prevent major damage if a fire, or explosion occurs – installations over 8000m³/h should be positioned outside

the factory walls and have the right fire-extinguishing connections for the fire brigade.

According to ATEX regulations, the explosion’s pressure wave has to be able to leave the installation safely.

In order to guarantee this, explosion panels must be installed in the filter itself and in the return air ducts going back into the building.

Positioning storage spaces

for wood and sawdust is also important – they should be as far away as possible from the filter installation and factory buildings (preferably in a separate building to minimise the risk of a transient fire).

Filter systems with a capacity up to 8000m³/h can be installed inside the factory, but they should have their own extinguishing system, according to EN 16770. Units for indoor use need to be able to withstand an explosion.

Fire and explosion safety is not just about preventing risks within a specific system.

‘We would like to raise awareness in every aspect of the factory, as we believe the factory’s safety is more than the sum of its parts,’ says Wyboud.

From woodworking machine positioning to a ducting system, absolutely everything should be considered when setting up a safe and hazard-free factory floor.

Modesta can help manufacturers in taking both fire-prevention and fire-regulation measures, considering their entire set-up critically and advising the steps to take towards a safer working environment.

Lastly, Modesta applies the QEX Quality Mark certification, which simply means that the installations meet all legislation and (local) requirements.

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



The QEX quality mark ensures that the installation complies with all legislation and (local) requirements.



Modesta can advise on how to prevent fire and explosions happened in the modern woodworking factory.



The fire originated in the wood storage of this particular doors and windows company. In this case, the safety equipment worked to preserve the filter.

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“ENORMOUS SAVINGS” GLULAM FACTORY

THE glulam lamellae at Pfeifer in Imst, Austria, are pressed at 160m/min and subsequently planed.

The Pfeifer group commissioned its modernized production facilities in Imst at the start of 2013.

‘Performance and wood savings were decisive in awarding the order,’ recalls authorized representative, Dietmar Seelos.

‘We required a press with a feed speed of 160m/min,’ he adds.

‘This feat of strength was necessary, because the new single pressing line was replacing four existing lines.

The company chose a Weinig DKK 115 throughfeed press. Its role was to create a continuous strand from the pre-milled and glued infed timber.

A feed unit accelerates the lamellae and transports them to the feed-in station, where they are handed over to two servo-controlled, synchronous aligning chains. This ensures continuous jointing with no offset.

The master computer knows exactly which infeed lengths and cross sections are coming to the press. The DKK 115 adjusts itself automatically.

At the end is a continuous flow of glulam lamellae, which is pushed relentlessly towards the planing.

This is a special case as the feeding power of the DKK must also be sufficient for downstream planing. Two 90 kW electric motors are therefore used.

The improved chip removal of the WEINIG planer proved decisive. The Powermat 2500 saves at least one millimeter.

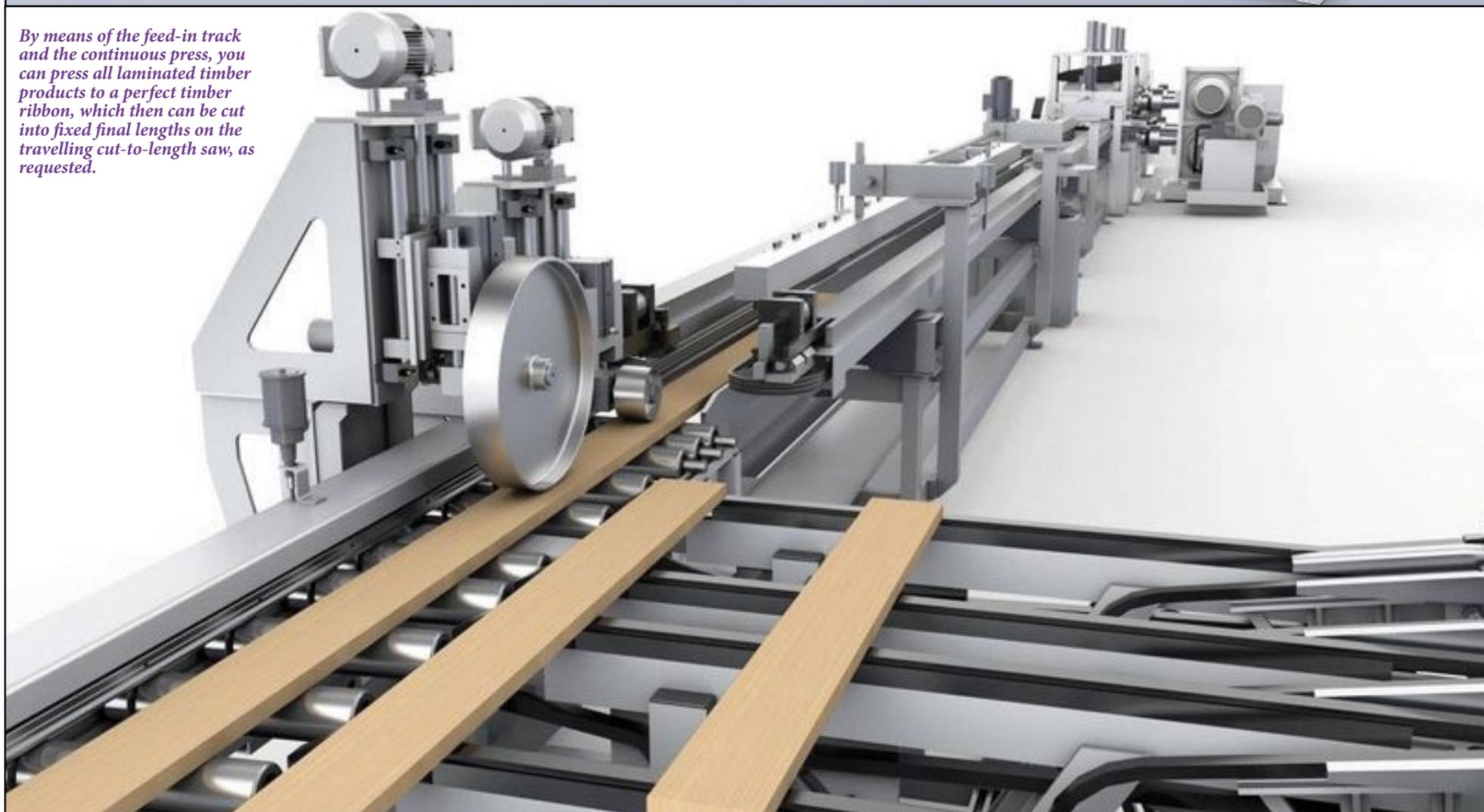
Since the sawmill invested in the same planing technology in its quality sorting, it has benefited from the combined effect of the two machines.

Performing the cutting in its own sawmill also allows the smaller input dimensions to be reflected one-for-one in the cutting dimensions. For a glulam factory with an output of 100,000m³/year, this represents an enormous saving.

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

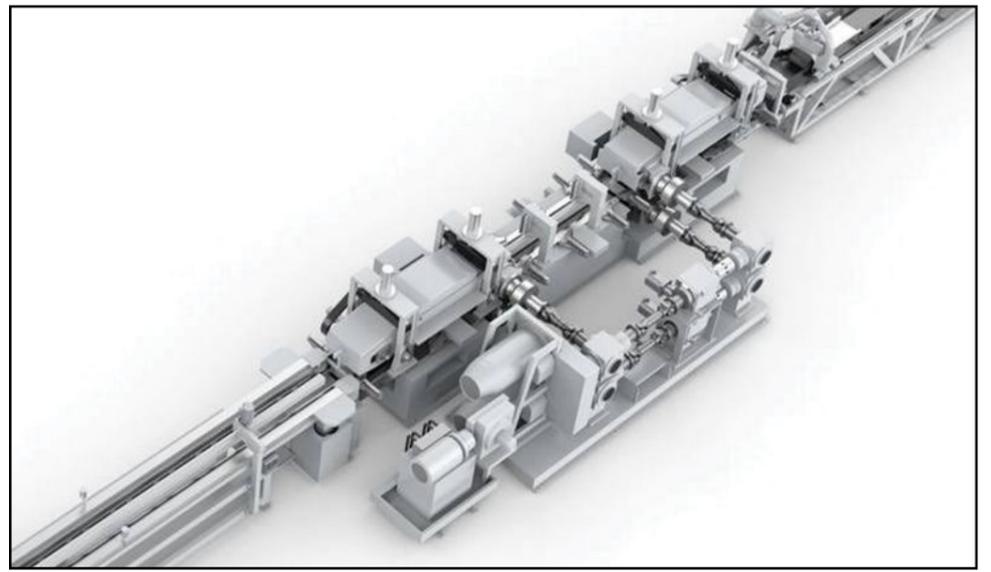


By means of the feed-in track and the continuous press, you can press all laminated timber products to a perfect timber ribbon, which then can be cut into fixed final lengths on the travelling cut-to-length saw, as requested.



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Left, with a Weinig throughfeed press (shown in close-up in our pic right) it is possible to achieve feed speeds of up to 160/min.

Weinig throughfeed presses offer you pressing and cutting without the need for stopping.



SERVICE FOR THE CUSTOMER AT ISAAC LORD



Isaac Lord has recently installed a new trade counter in order to better service its customers.

In order to ensure that purchasing is as easy as possible, the company has kept customer experience at the forefront of both the new trade counter and the website involving customers at each step to guarantee that they feel the benefit of this investment.

With everyone and everything now under one roof, the extensive knowledge of Isaac Lord's staff

is more accessible and customers will continue to receive the high quality service they have become used to at Isaac Lord.

Prices are transparent and competitive, with volume discounts and trade pricing available to ensure that customers do not need to negotiate each time they place their order.



Whether the purchase being made by the customer is being made either in store, online, over the telephone, or through a rep, the trade prices available will always be the same.

For further information tel Isaac Lord on 01494 835200. Visit www.isaaclord.co.uk

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

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

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

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

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

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

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

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

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

Mixing:

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

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

Application:

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

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

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

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

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

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

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

Finishing:

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



MAKE WOOD GOOD

PROTECT • PRESERVE • RESTORE

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

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

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

Packages:

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

Testimonial from Michael Tobias Design (guitar-maker)

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

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

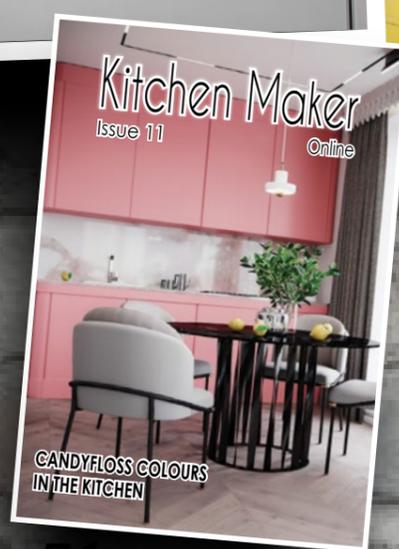
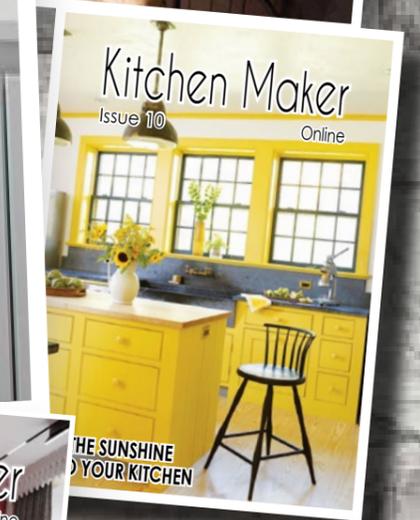
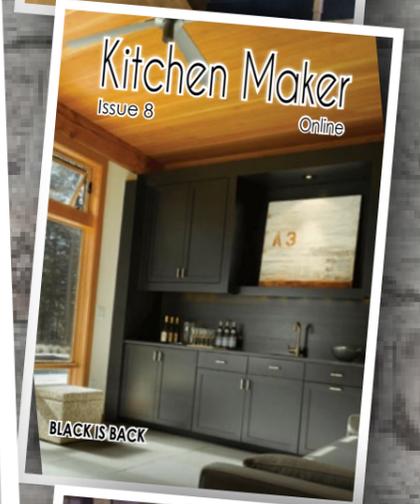
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