

GERRY LYNCH
WOODWORKING MACHINERY



Supplying the Woodworking Industry with Modern Used Machinery from Europe & the UK

GERRY LYNCH

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INDUSTRIAL WOODWORKING & PANEL PROCESSING

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JUNE 2019

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WEINIG'S RONDAMAT 1000



Weinig's Rondamat 1000 CNC tool grinder is a fully automatic machine, driven by the latest MoulderMaster software, without the need for an operator

BROOKS Bros is one of the UK's first complete timber service providers to install Weinig's Rondamat 1000 CNC tool grinder.

The Rondamat 1000 CNC is a fully automatic machine, driven by the latest MoulderMaster software, without the need for an operator.

'This is an exceptional, state-of-the-art machine, which offers outstanding ease of use and helps maximise productivity for our customers,' says managing director of Weinig UK, Malcolm Cuthbertson.

'With our latest investment in the Rondamat 1000 CNC for the Danbury tool room and the new Powermat 1500, we have the ability to meet every bespoke requirement our customers might have,' says Brooks Bros managing director, Mark Fleming.

To read the full story go to pages

18 & 19 of this issue.

FEELING THE PACE

'LIGNA is the world's leading show for the woodworking industry where I can see the whole market, including the competition and where we have the opportunity to discuss issues on a global level,' says chairman of Weinig's management board, Gregor Baumbusch.

For me it offers the possibility to feel the the pace of the industry.

LIGNA has proved to be really positive for Weinig,' he concludes.



FLAWLESS FINISH

MIRKA is expanding its revolutionary direct electric orbital sander (DEOS) range with the addition of the new DEOS Delta.

Its ergonomic and innovative iron shape design allows the user to access hard to reach areas easily and efficiently, whilst reducing the stress on arms and hands and delivering a flawless, smooth finish from corner to corner.

The Delta's low profile of only 10cm ensures that it is closer to the surface at any angle, allowing for increased control of the sanding process, even during long periods of use.

With the Delta weighing less than 1kg the research and development team in Finland, has ensured that there is less strain on the user's muscles, leading to a reduction in the risk of arm fatigue.

The sander also incorporates a powerful brushless motor and 3mm orbit for more effective removal of stock, whilst keeping vibrations at a low level to minimise the risk of HAVs.

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

The Mirka DEOS Delta also includes the company's innovative digital solutions that run through an integrated vibration sensor and Bluetooth connectivity that enables the user to access the vibration, speed and usage data easily through the myMirka app.

'The addition of new Mirka DEOS Delta meets a gap in the market, as users are looking



for a lightweight, powerful and versatile delta sander,' says national sales manager industrial of Mirka UK, Pete Sartain.

'We are confident that customers will benefit from its technological, Health & Safety and performance attributes from its first use,' adds Mr Sartain.

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

WOODWORKING MACHINERY

Introducing the NEW ATACAM CNC Routers

This new range of affordable CNC Routers from ATA Engineering offers the same high quality build that you come to expect from a company that has been supplying CNC's for over 20 years, along with support and technical back up.

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Castle Pocket Routers from ATA Engineering

New Improved Model TSM22 Pocket Router

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

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- Additional safety feature which automatically disconnects the electrical supply to the Bosch motors.

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A WIDE VARIETY OF DIFFERENT CLAMPING OPTIONS ON OFFER FROM ALAN LAMONT



NORD Build & Design Ltd specialises in higher end refurbishments. Working in the London area, the company has an excellent reputation for its bespoke interiors and joinery. Founded in 2011, the company now employs five people. Through word of mouth, it has on its books sufficient work for the next six months.

Last year Nord Build & Design Ltd invested in a clamp and Woodwelder from Lamont.

'We were making doors and had quite big orders,' says owner, Donatas Urbonavicius.

'It took so long to clamp everything by hand and keep everything in the clamps in a small space. Imagine if I made of lot of frames today (say 40): if I were using sash clamps, I would need to leave them overnight. With this machine you clamp, weld, take it out and you are on to the next one,' says Donatas Urbonavicius.

Once the need for a clamping system was realised, Donatas began to research the market.

'We searched for different makes. Some looked expensive and were only made for specific purposes. However, Lamont offers a number of different options.

'Alan Lamont listens to what you want and makes the machine to meet your requirements from scratch. This ability to be bespoke was very attractive. You need to make sure that you know what sizes you will be working with. Our machine is designed for 3.2m workpieces,' says Donatas

'We use the Lamont system extensively: for doors, drawers, windows, boxes and carcasses, for example. We also use it to laminate a few pieces of timber together. It is used for everything.

'It saves space as well as time. The clamping machine is up on the first (mezzanine) floor, next to the sander. It fits well into our premises.

'The system also offers improved accuracy: with the pre-sets you are always square. You can double check with the tape measure, but it is not really necessary,' explains Donatas.

Asked if he would recommend the Lamont system and the company, Donatas replied:

'Yes, of course. Alan is very flexible, he will always call and ask you for the details of the machine you want. There have already been a few enquiries from people visiting our workshop who have seen the system and asked for Alan's contact details.

'One is our timber supplier. They have been in business for a long time and are a big timber yard, but also offer a laminating service. Other joiners also come in, look at it and like it: they can all see the advantages,' concludes Donatas.

For further information tel Alan Lamont on 01471 40017. Visit www.clampingmachines.co.uk

EXPERIENCE WEINIG CHINA SOLUTIONS FOR INTELLIGENT MANUFACTURING AT InTech 2019



The Weinig Unimat series offers an excellent price-performance ratio combined with outstanding quality and this is just one of the German woodworking machinery manufacturer's moulders which will feature at China InTech 2019.



This year at China InTech 2019 Weinig will be focusing especially on Weinig China solutions for automation and Weinig's campaign "Weinig China 25 years",

WEINIG is happy to announce that the upcoming Weinig Woodworking China InTech 2019 will be held at the company's facilities in Yantai/Shandong on July 5 & 6, 2019.

This year Weinig will be focusing especially on Weinig China solutions for automation and Weinig's campaign "Weinig China 25 years", during the course of which the German manufacturing company will be presenting to the public its special edition moulders – the Timbermat 525, Timbermat 625 – both with an attractive face-lift – as well as the already famous Unimat 316 and, last but not least the Unimat 516 – which feature among the the well-known moulders from Weinig – the German market leader in solid wood machinery.

Weinig is expecting visitors from all-over China, Korea, Japan, South-East- and South-Asia, from Russia and the CIS states, as well as key experts and management members from our German headquarters.

High profile workshops and seminars will be offered by professionals from the industry and experienced Weinig product managers will demonstrate the latest Weinig and Holz-Her machines in the showroom to those in attendance.

In the evening of the 5th July there will be German BBQ and beer served to our distinguished customers and visitors.

Everything under the motto: "WEINIG offers more FOR YOU!!!"

The pre-registration will open middle of May.

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

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THE COMPACT MARTIN IS PROVING ITSELF TO BE



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

PAUL Vidamour of Pauls Joinery Ltd on the island of Guernsey loves his Martin T12 spindle moulder, having purchased it from Martin agent, Scott & Sargeant. Pauls Joinery offers a professional and comprehensive service in terms of bespoke interior and exterior joinery projects and furniture for both private individuals and commercial clients.

The team of experienced local craftsmen specialises in the design, manufacture and



Conservatories are among the high quality bespoke exteriors produced by Pauls Joinery Ltd.

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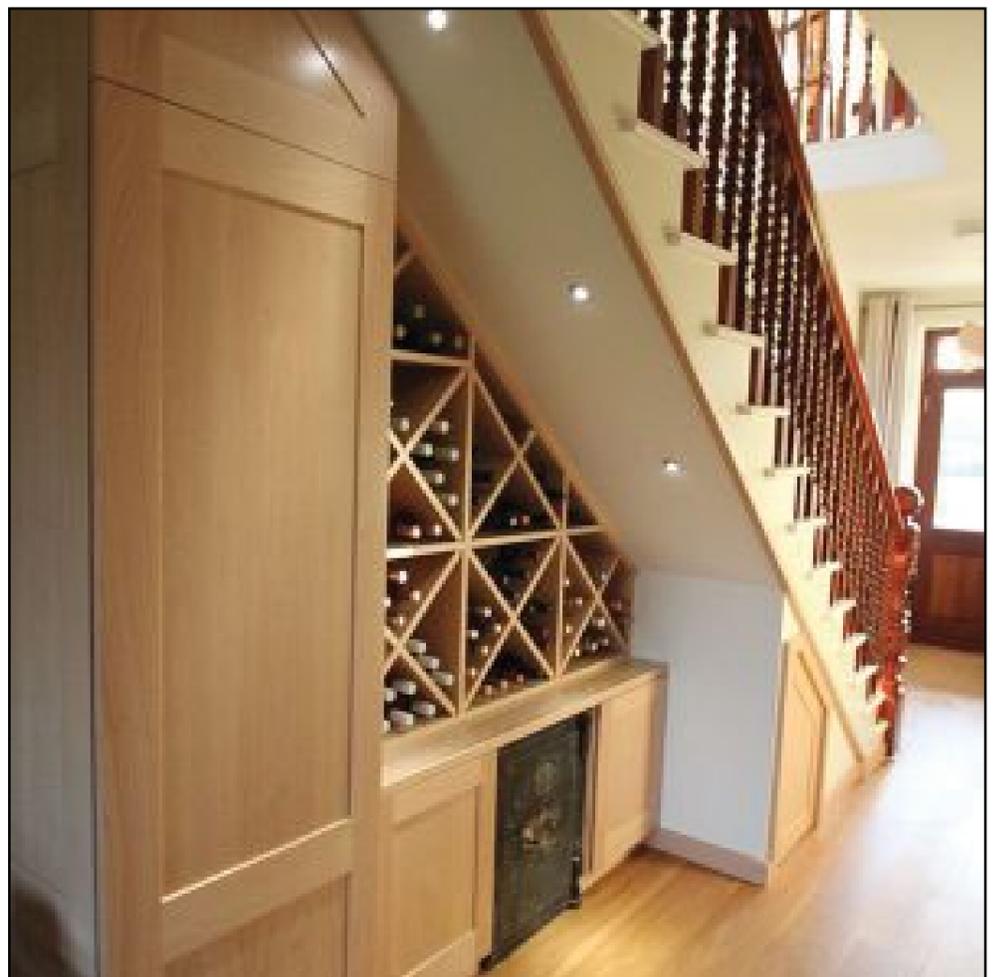
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T12 SPINDLE MOULDER IDEAL FOR PAULS JOINERY

installation of high quality bespoke items, including stairs, doors, windows, wardrobes, gates, furniture and conservatories.

The compact Martin T12 spindle moulder features a highly functional, but easy-to-use control system and represents excellent value-for-money.

It is an ideal spindle moulder for any joinery workshop. With its individual customisation options, it is the perfect spindle cutter for a wide variety of applications.

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

The fence settings can be approached with pinpoint accuracy owing to reproducibility of +/- 0.025mm, which is extremely high for a compact-class machine. Even critical settings, for example, for counter profiles, can be precisely positioned.

The positioning of the right-hand fence jaw via hand-wheel is displayed on the control unit with a high degree of accuracy.

Not only does this replace the scale and the Vernier scale, but the electronically recorded position of the fence jaw can also be saved in the controller and quickly accessed when needed.

The incremental movement is also easily possible owing to the integration in the controller.

The table extensions are executed in cast iron on both sides and connected to the machine table completely without a transition. The stable, extendable support provides support at the front. The processing of large components is therefore an extremely

simple matter for the operator.

The fence opening should be closed as much as possible, so that the work piece can be safely guided and slide along the fence. Both are provided by the tried and tested integral fence.

The bars of the jaws consist of hard-coated aluminium and can be easily folded in position, released and also varied in height. The bar cassettes can also be removed effortlessly, allowing the operator to work with a wooden insert.

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

For further information on Pauls Joinery Ltd tel 01481 246753. Visit www.paulsjoinery.org

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DEATH OF FRANCIS DALTON R.I.P.

ONE of the most well-known figures in the UK woodworking machinery sector – Francis Dalton, managing director of AL Dalton Ltd – has died following a short illness.

In 2016 Mr Dalton celebrated 60 years with the company, having joining his father, Vernon and uncle, Cyril, in 1956.

He quickly took to the business forging what were to become lifelong relationships with customers, partners and competitors. He will be much missed.



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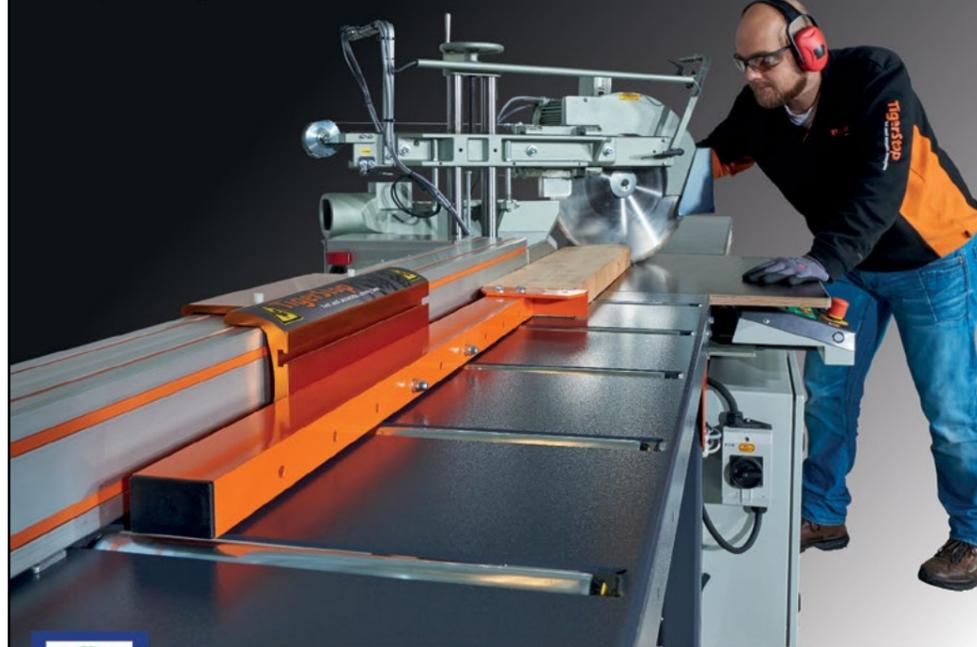
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WEINIG ESTABLISHES ITSELF IN RUSSIA WHERE IT OFFERS THE BEST POSSIBLE CUSTOMER-ORIENTATED SERVICE

WEINIG has founded a branch in Moscow with a comprehensive range of services. The new organisation replaces the service company that has existed since 2013.

For the first time, sales tasks are now also being performed for which the German parent plant in Germany had been largely responsible in the past.

'This is the starting signal for an even stronger partnership with our Russian customers,' says the new managing director of Weinig Rus, Maxim Prituzhalov.

Customer proximity, stocking of spare parts and warehousing of machines are central pillars of the future orientation.

Weinig customers will benefit from this holistic support - particularly in terms of shorter delivery times and fast service.

Strategically, Weinig Rus would like to re-strengthen the sale of entry-level planing machines, whilst project business had clearly dominated in the past.

For panel processing (the second major business unit of the Weinig Group) the main focus is on direct sales in the important regions of the country. To this end, plans are being made to set up further sales partners.

According to Maxim Prituzhalov, personal consulting is a decisive factor in increasingly complex technologies.

'We want to make our customers more efficient. In doing so, we rely on Weinig's overall competence across the entire value chain, but also on our leading position in wood optimization and the mega-trend of digitization,' says Maxim Prituzhalov.

Maxim can rely on a committed team of 13 people to achieve these goals. The spacious office and warehouse areas of the new branch offer first-class working conditions.

Sales manager CIS, Knud Dethloff, who was a guest at the opening ceremony, is extremely confident about the economic future of Weinig Rus:

'Weinig has always been deeply rooted and successful in Russia. We are striving for strong growth,' says Knud Dethloff.

The new managing director, Maxim Prituzhalov (second from left) opens the Weinig Rus branch together with Knud Dethloff (sales manager CIS) and Weinig's head of marketing communication, Klaus Müller.



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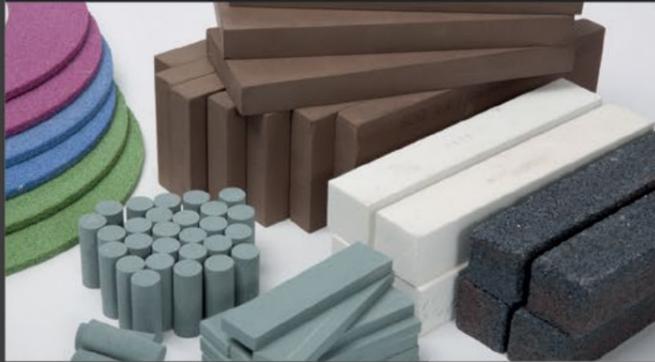
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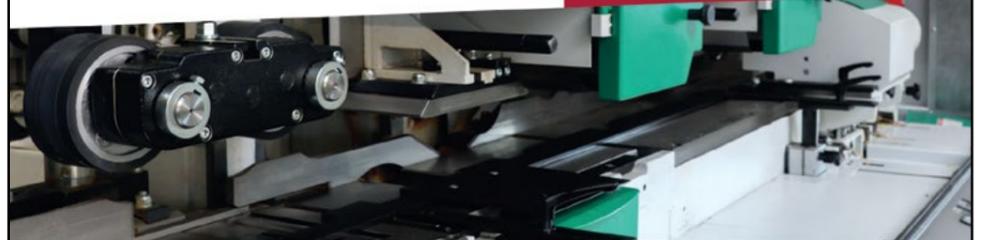
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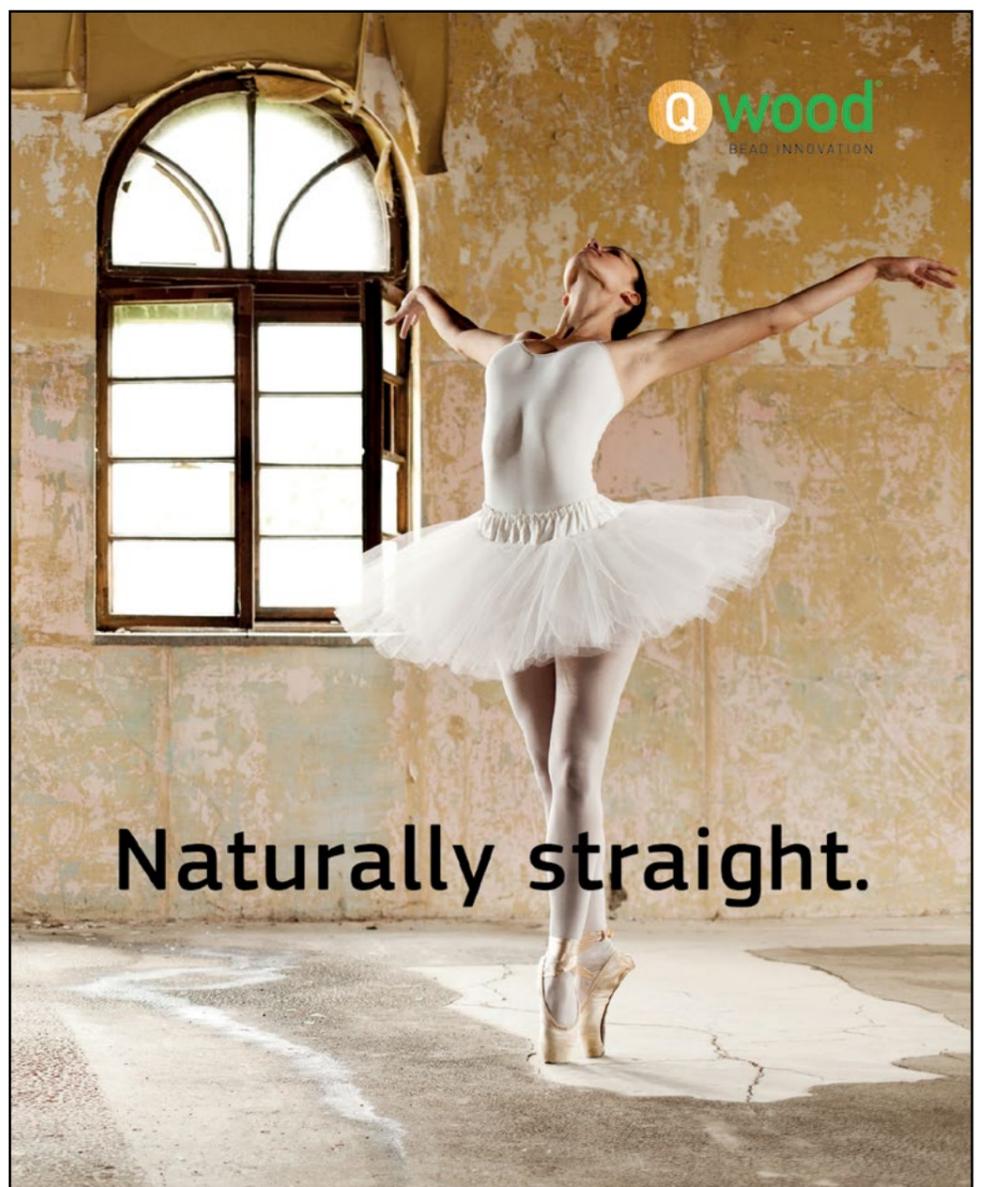


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NEW LABOUR IMPORT FROM CABINET VISION TO WORKPLAN

THE latest release of Workplan, from the production software business of Hexagon Manufacturing Intelligence, makes it possible to import the full list of manufacturing operations from a Cabinet Vision project into a quotation, incorporating the expected time based on the bid centre's rate tables.

Brand manager, Christophe Mas says that it is just one of a number of items of new and enhanced functionality for the woodworking sector.

'Not all companies managing wood have the capacity, or desire to set up a complete management system,' says Christophe Mas.

'The latest release of Workplan offers a simple and efficient stock management solution for them, including aspects, such as stock reception/withdrawal, inventory, scrap management and traceability,' he adds.

The system is even more time efficient when interfaced with Hexagon's CAM programming software, Alphacam.

As soon as the program is validated, data reporting in Workplan and information about panels and

plates, is all completed in a few mouse clicks.

Overall, Workplan includes new and enhanced functionality, making it the first integrated project management system combining ERP and MES in a single database.

Incorporating new features normally only found in MES solutions, Workplan 2020.0 is now placing itself as the main tool for centralising a company's data to improve production management, including machine events, monitoring, CMMS, CAM supervision, workflow and part traceability.

'Workplan is the first ERP system to integrate MES functions as standard, placing it firmly as the backbone of a company, combining sales and production management, as well providing workshop supervision in real time,' explains Christophe.

The new Workplan 2020.0 integrates internet solutions for job time tracking on the world wide web, including clock-in/out time tickets at the start and end of the working day, along with time spent on both productive and non-productive activities. This

avoids the need for additional time-consuming data input.

The new release of Workplan features an improved interface to connect with the Enterprise and Online version of QuickBooks accounting software.

All customer and supplier invoices data are swiftly transferred, along with full company records.

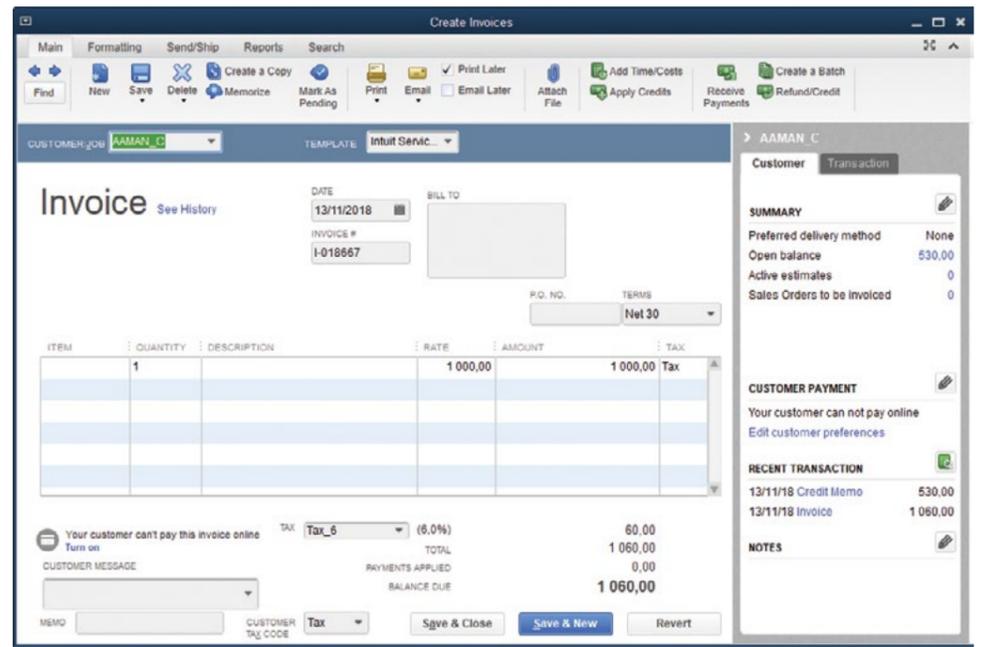
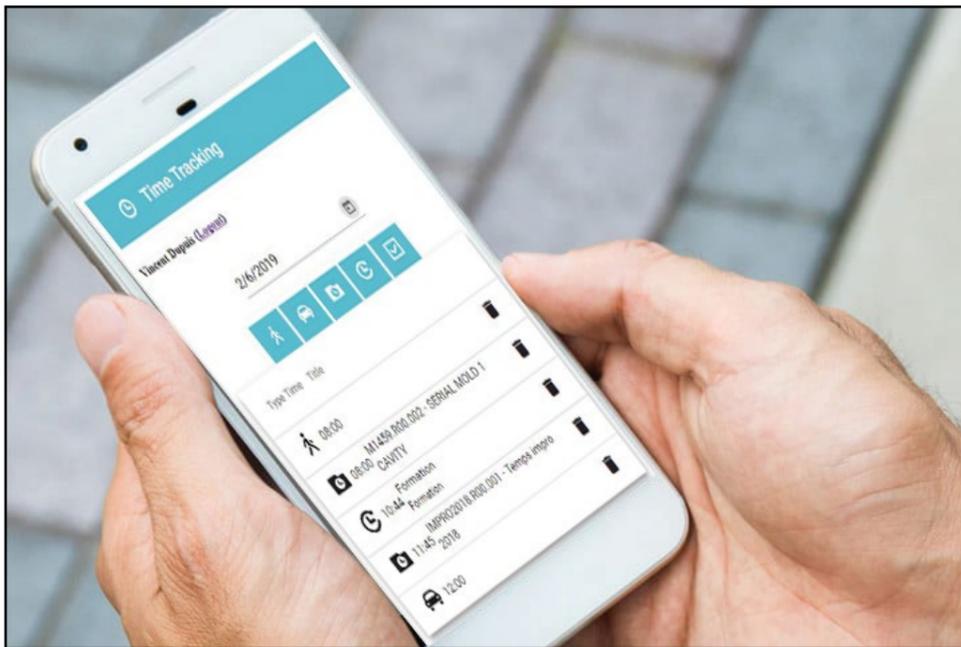
Conclusion:

In conclusion, Christophe Mas says that the new and enhanced functionality further increases performance for all project-based companies in the woodworking industrial sectors.

'Workplan 2020.0 enables users to accurately manage and analyse the entire manufacturing process step by step, from quotation to invoicing.

'In addition, it's the first ERP solution to integrate MES functions as standard,' concludes the Cabinet Vision brand manager.

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



INTERZUM GUANGZHOU 2019: MORE THAN 20 ORDERS FOR WEINIG'S ANNIVERSARY MOULDERS

THE most influential trade fair in Asia for furniture production, woodworking machinery and the interior décor industry - Interzum Guangzhou 2019 took place recently.

More than 1,500 visitors meant a further increase over the already very successful 2018 event.

In addition, the four-day event attracted over 90,000 visitors from more than 100 countries. Both the quantity

and the quality of visitors have improved.

Weinig has been taking part at Interzum Guangzhou for many years. This year Weinig exhibited a Holz-Her edge-bander - the Lumina 1596 with Ltronic laser edging unit and two Weinig China 25th anniversary moulders.

During the four-day event, Weinig's stand had many visitors from both China and other countries and a good number of useful contacts were made.

Following increasing consumer demand in recent years, the customised and "non-standardised" furniture industry has taken on an important development in China.

As the customised cabinetry gains traction, manufacturers are also embracing the concept of whole house customisation as an emerging trend.

In recent years, more and more furniture manufacturers in China have begun to upgrade their core processing equipment, to fully meet the current production needs of customised products and the country's strict requirements for environmental protection.

On this occasion Weinig presented the latest Holz-Her Lumina series edge-bander, which is equipped with a separate Ltronic system and a separate Glu-Jet system, to meet the diversified production needs of most customers.

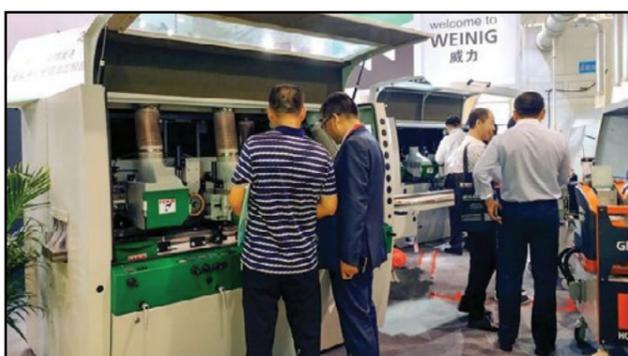
At the exhibition, many whole house customisation and solid wood door customers expressed great interest in PUR edge-banding. Laser edge-banding technology also received a good deal of attention from many office furniture manufacturers.

In March 2019, Weinig China launched four 25th anniversary editions of moulders for time-limited preferential event.

As an introduction to this special event, Weinig also exhibited the Timbermat 625 and Unimat 316 at Interzum Guangzhou. Both machines attracted the attention of many visitors.

Until now Weinig has already received more than 20 orders for the 25th anniversary editions of its moulders.

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



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WEINIG MANAGEMENT GETS A PICTURE OF THE STATUS OF THE INSTALLATION AT BROWN FORMAN COOPERAGE



THE Weinig management has visited the site in Louisville, Kentucky to get an impression of the current progress of the installation of a large system for barrel production.

Chief executive officer, Gregor Baumbusch was impressed by the components already installed and the dimensions of the overall system, which were already clearly visible.

This is the largest single order in the

company's history and was completed at the beginning of last year.

Senior Vice President, General Manager Jack Daniel's Supply Chain, Larry Combs emphasised above all the adherence to delivery dates by Weinig, which is not a matter of course for a project of this size.

'What we are realizing with Weinig is a revolution for us. Weinig is exactly the right partner for this project and we have full confidence in all those involved in the project,' says Larry Combs.

'The co-operation with Larry and his project team is excellent. We all have the same goal, which we work towards in an extremely professional and co-operative manner.

'I am very proud of the performance of the employees from Germany and the USA, who are working with passion on the successful implementation of this complex project,' added Gregor Baumbusch, after he had obtained detailed information from the installation team from TBB.

A highlight of the visit was a first test with material in the first transfer area, which ran smoothly.

'We are on the right track and all components were delivered on time. However, there's still a great deal of work and challenges ahead,' says Dale Mason of Brown Forman Cooperage, who is responsible for operational project management on the customer side.

Weinig will install the most modern and efficient system solution for the production of barrel staves and heads. The focus here is in particular on a significant increase in yield and a high degree of automation without having to forego flexibility.

'This plant represents a milestone for Weinig USA. We would like to thank Jason Neafus from our representative, Hoosier Woodworking for the extraordinarily successful customer service that made this order possible and our national systems solutions engineer, Bret Hopper, who came up with the line design and layout,' added president of Weinig USA, Jason Howell.

It all goes to prove that Weinig is the right partner for all manner of different woodworking companies - both large and small.

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POWERMAT 3000

THE NEW FLAGSHIP FOR THE WEINIG POWERMAT SERIES

WITH the Powermat 3000, Weinig is responding to customer demand for a new top model for the Powermat series, which has proven itself worldwide.

This moulder represents a technological leap forwards compared to its predecessor.

On the basis of the properties that have made Weinig one of the leading manufacturers of planing and profiling machines, a solution optimised down to the last detail was created as the result of high demand.

Outstanding surface finish and reliability are absolute priorities for the Powermat 3000. Accordingly, the machine has a heavy base construction, which ensures minimal vibrations and maximum running smoothness.

The Weinig Powermat 3000 offers reliability, combining this with power and versatility. Knowledge, diligence and quality awareness: the Powermat 3000 is the result of the interaction of these factors.

From the construction of the high-quality cast iron base to the programming of the intuitive control and the production of the high-precision spindles all the way through to the precise assembly of all elements, the Weinig Powermat 3000 offers the ideal conditions for serial production with maximum surface quality.

The modular design and large number of options enables the most diverse applications - not to mention the fact that it offers excellent cost efficiency and good resale values.

Regardless of the application, the Powermat 3000 can be adapted to individual requirements in terms of quality, flexibility and performance, thanks to its modular design.

The basis for this is the exceptional standard of the Powermat 3000, which impresses with an intelligent machine concept.

The robust machine base serves to integrate high-quality components with convenient settings and intuitive machine control, resulting in a machine that is very easy to set up.

For the user, this means shorter set-up times, high operator safety and economical production - with legendary Weinig surface quality.

The Powermat 3000 offers a machine performance and spindle technology which, according to the company, is currently unmatched in this class.

Numerous features ensure efficiency: PowerLock tool holders and jointers guarantee an excellent multi-knife finish up to a feed speed of 100m/min.

Depending on the application and the required running metres, the Weinig Powermat 3000 can be operated at speeds between 4,000rpm and 12,000rpm.

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

In the Powermat 3000, 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 smooth planing and the profile jointer can be used.

At the point where the cutting edge meets the work piece for cutting is where surface quality is determined. Precision tools are therefore essential. However, even the best tool needs spindles with perfectly true running accuracy.

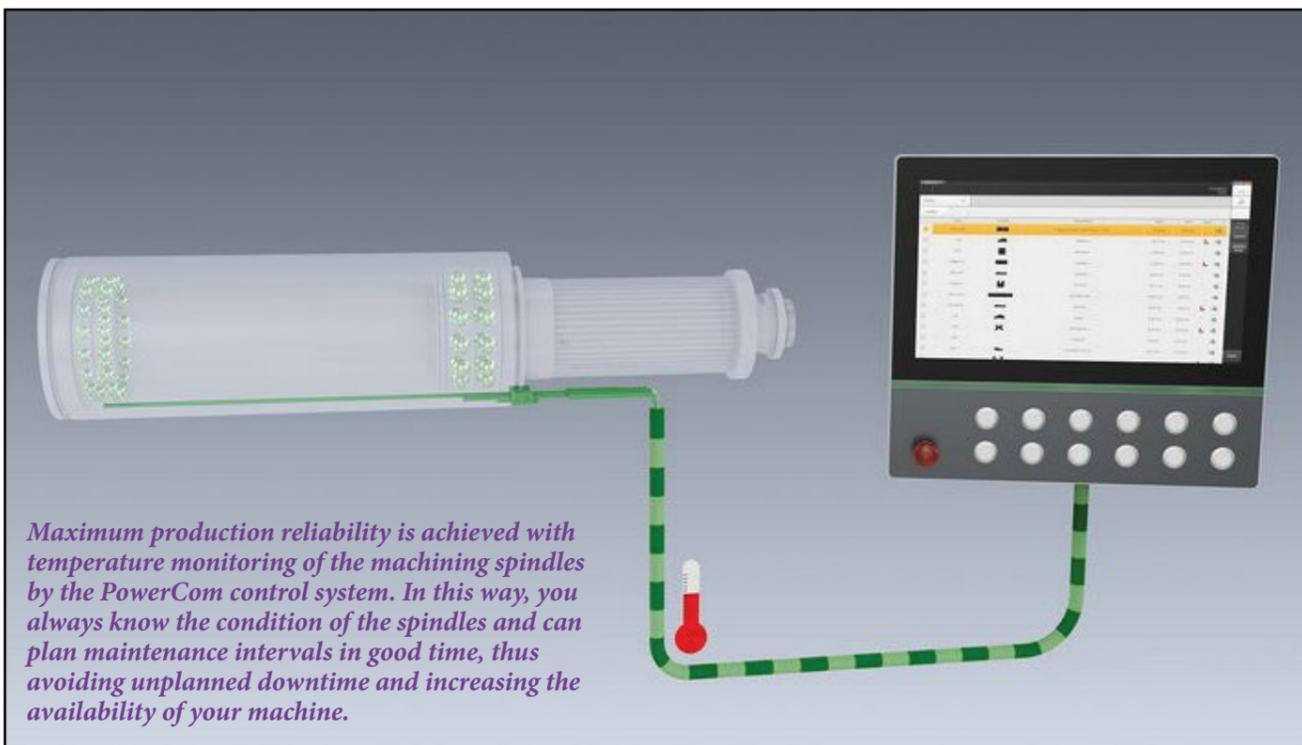
Weinig spindles guarantee true running accuracy. The PowerLock tool holder thus not only enables tools to be changed at the press of a button, but also produces a shiny surface finish with a spindle speed of up to 12,000 rpm.

The jointers automatically move with the spindle during radial adjustment, so that no manual intervention is required.

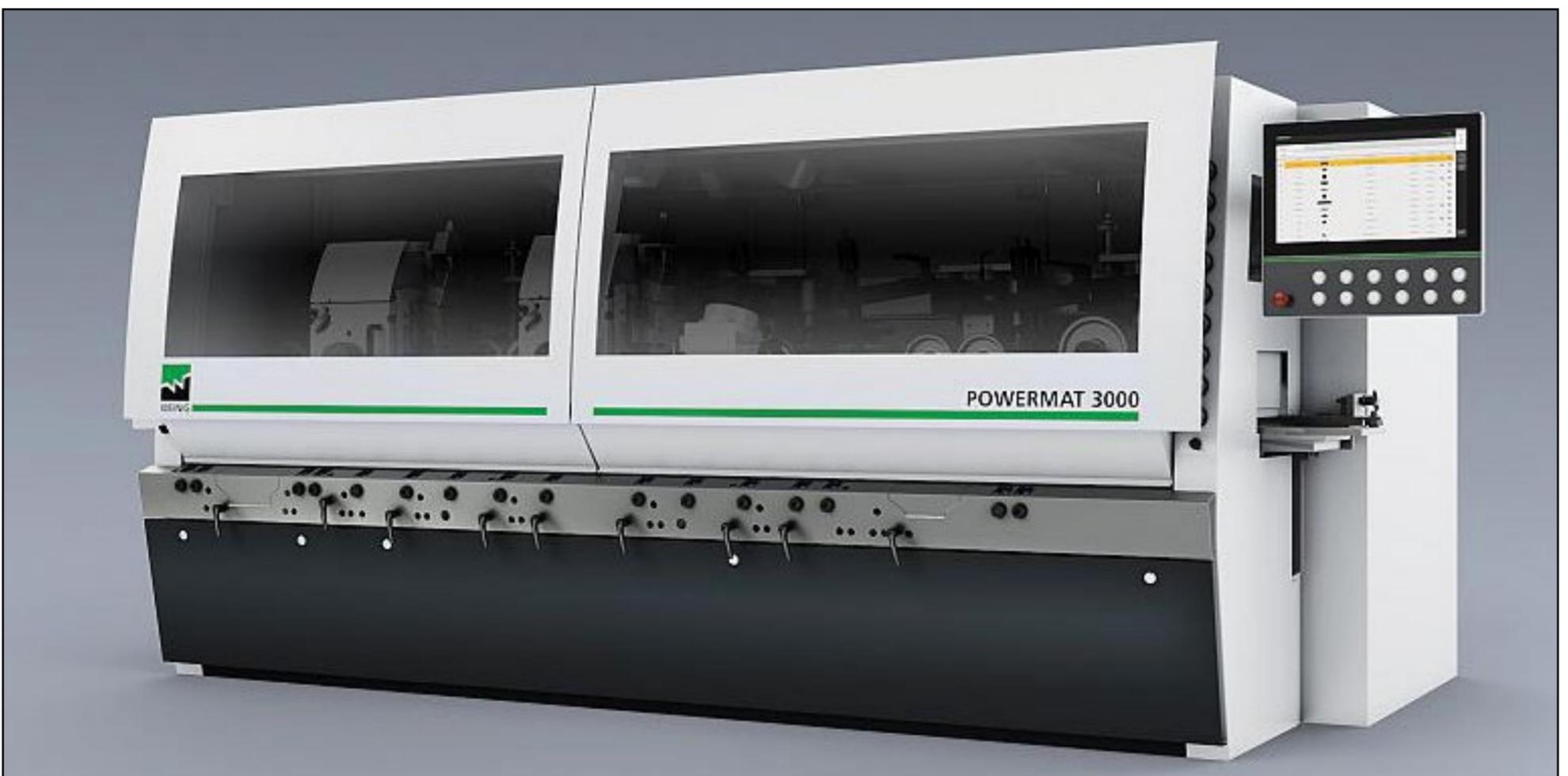
Weinig know-how and experience guarantee complete process reliability of the German manufacturer's leading edge technology.

The new radial jointer eliminates the need for repositioning when adjusting the spindle and simplifies the set-up process considerably.

Several patent-pending features underline the great innovation potential of this new development. In particular, this includes the new HydroLock outboard bearing technology.

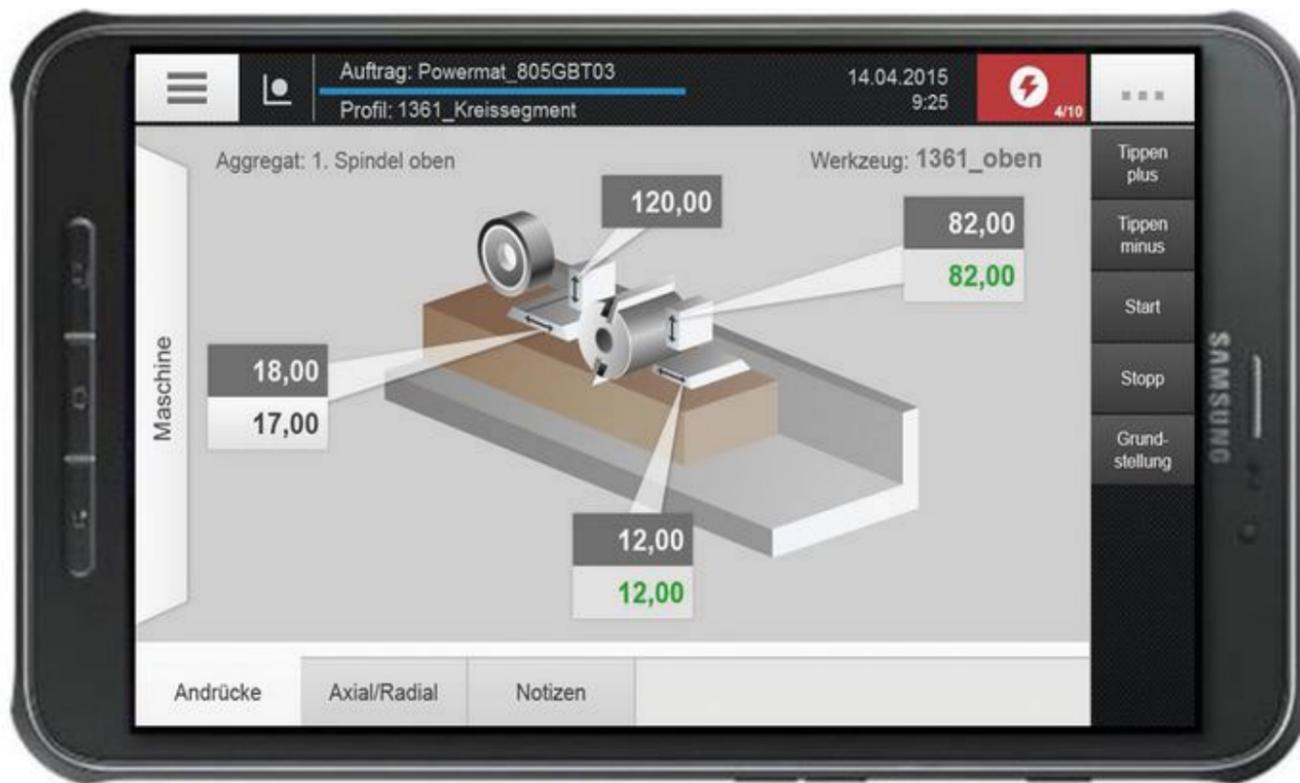


Maximum production reliability is achieved with temperature monitoring of the machining spindles by the PowerCom control system. In this way, you always know the condition of the spindles and can plan maintenance intervals in good time, thus avoiding unplanned downtime and increasing the availability of your machine.

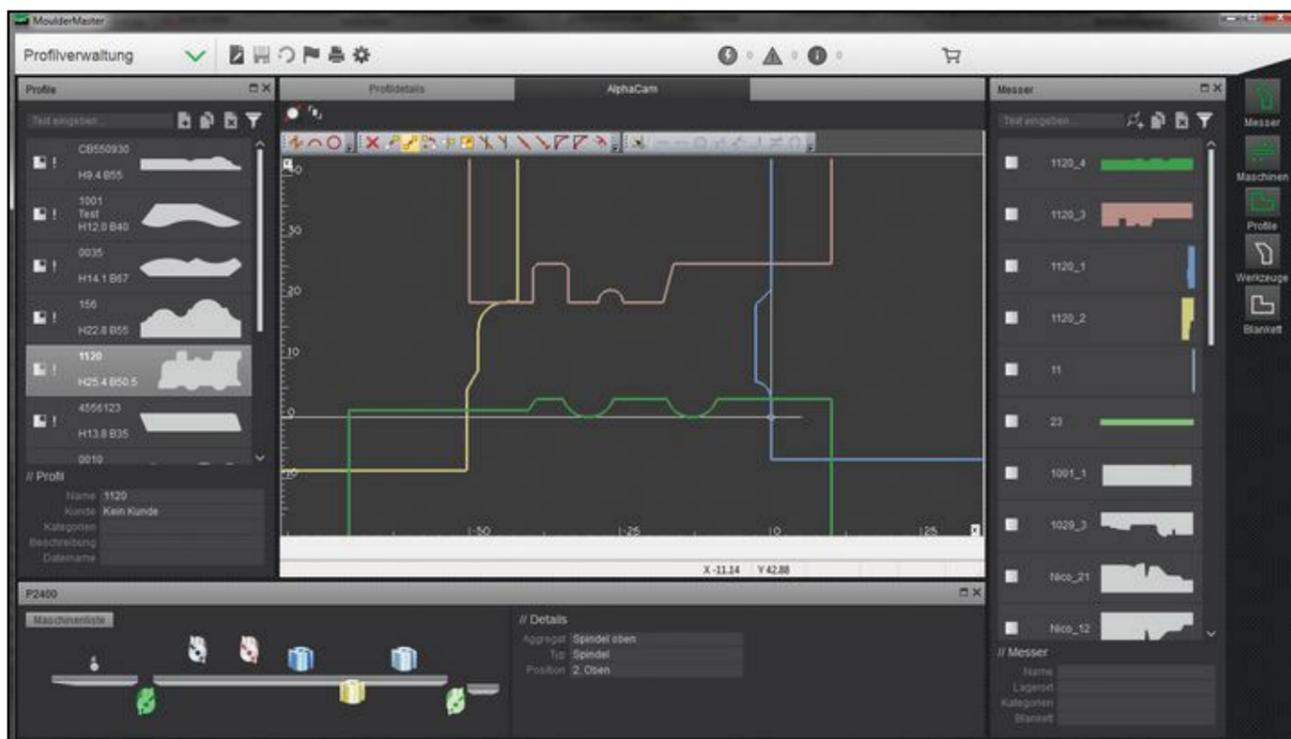


An ideal solution for high demands: the new Weinig Powermat 3000.

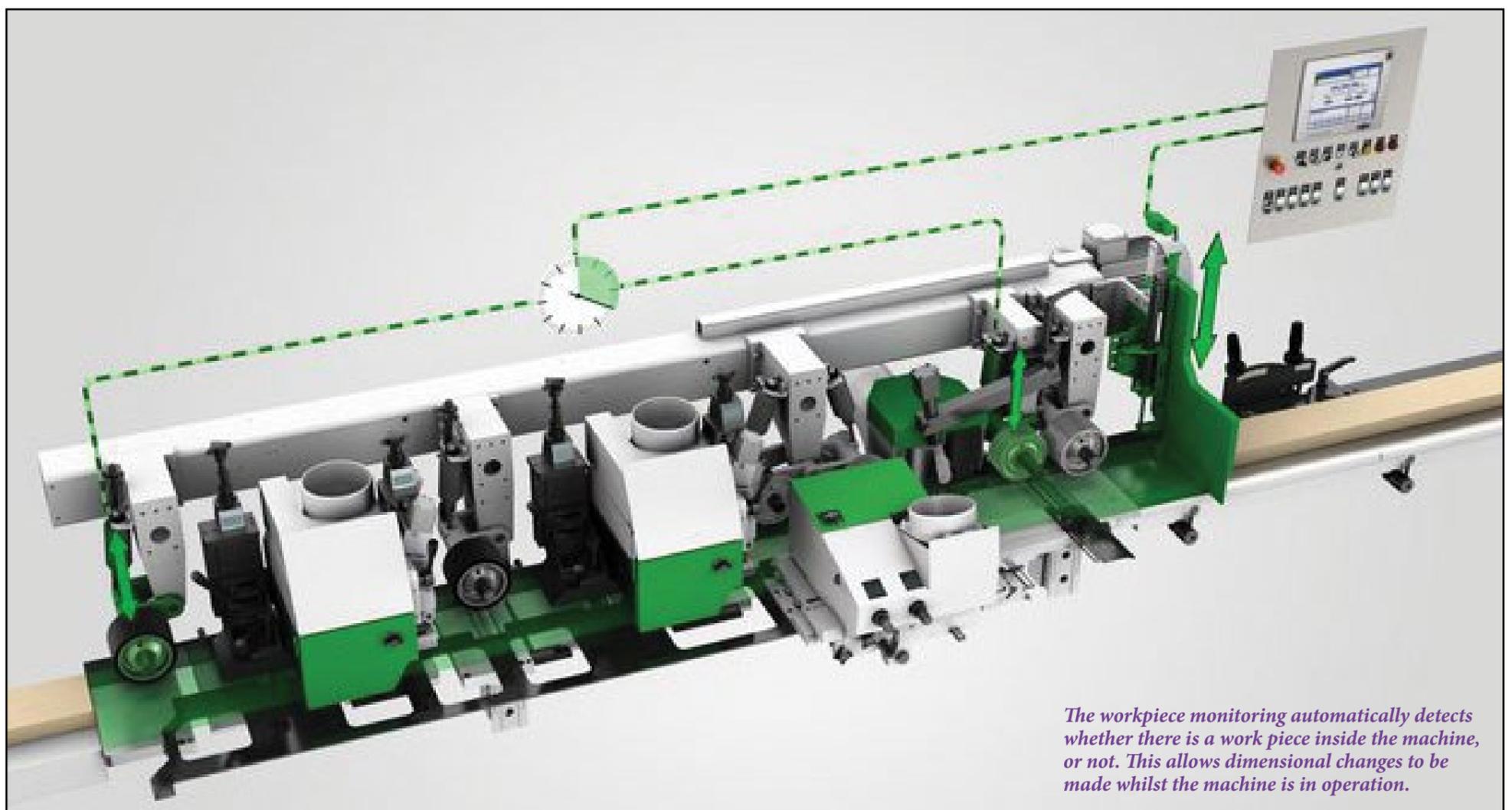
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With SmartTouch, Weinig offers an innovative solution which, in addition to the main control unit, offers the display of set-up information on a mobile tablet.



The Moulder Master is a unique software solution that enables short delivery times to be achieved despite high demands on quality and via cost-effective production.



The workpiece monitoring automatically detects whether there is a work piece inside the machine, or not. This allows dimensional changes to be made whilst the machine is in operation.

It can be quickly assembled and thus contributes significantly to reducing set-up times.

In combination with the HydroLock tool technology, which is also new, this results in a constant, ground-breaking operating concept.

With the HydroLock outboard bearing, time-consuming set-up using a grease gun is a thing of the past. Instead, only an allen key is required to compress the grease chamber and build up the required pressure. A pin is used to check the tension.

In combination with the HydroLock tools, this results in a conclusive operating concept that is both simple and time-saving!

This becomes part of the comprehensive Comfort Set operating concept of the Powermat 3000 with improved accessibility, tool-free machine configuration and automatic dimension changes with the hood closed.

The new operating concept Comfort Set comprises a great number of wrench-adjustments for pressure and guiding elements, which can be performed quickly, accurately and without error.

With features of this type, the machine operator will experience a new degree of comfort in performing the moulder set up like never before! The final proof of the new set-up procedure can also be seen in the quality of the products being produced.

Two new, patent-pending developments to ensure a high level of production reliability complete the new Weinig Powermat flagship.

This involves temperature monitoring for the spindles. If a defined threshold value is exceeded, the system is automatically switched off to prevent damage to the tool and machine.

Another new feature is the monitoring of the spindle based on the sound level, which ensures maximum safety during the sawing process.

With Memory Plus and PowerCom Plus, two intuitively operable systems are available for machine control.

While Memory Plus is recommended for the production of standard products with limited product variety on a single machine, PowerCom Plus meets the requirements of networked, monitored production with the possibility of connecting units to peripheral devices, or a Central System Control.

Extremely high performance yet surprisingly simple - that is PowerCom PLUS, the top solution for management and the work organisation of your Powermat 3000.

Whether spindle data, service checks, or tool measurements are required, PowerCom PLUS is the control centre for your whole system and networks all components you need for perfect production.

PowerCom displays all important system information at a

glance. On the user-friendly touchscreen, the control system gives you access to the data of up to 15 machines.

You can position any number of axes automatically at the touch of a button. Documentation of operating and machine data gives you the ability to optimise your production process.

Those who are measuring tool dimensions have taken a decisive step towards work piece precision and reduced set-up times.

OptiControl allows the operator to determine tool measurements with ease. Data is sent online to the control system. This makes machine set-up child's play.

The software enables the operator to manage data for up to 10,000 profiles and tools. If you want to produce a certain profile, the data is at your fingertips for retrieval from the archive.

The settings are shown on a digital display on the adjustment axes of the spindles and ensure exact reproducibility of your work piece.

Continuous improvement of your production requires documentation of the current set-up, as the first step.

The PowerCom system records the operating and machine data for you, so you will always have an overview of your production and the status of your machines.

The Powermat 3000 covers every customer requirement — from pre-planing with hydro technology to built-to-order production with maximum flexibility.

In designing the Powermat 3000, Weinig has challenged itself to be able to manage resources efficiently in the number of ways, including via modern planing technology, which opens up the potential for material savings.

This particularly makes solid wood construction timber and glulam timber, which are pre-planed in order to make it easier for the scanner to examine the surface, more profitable.

The opposing floating spindles that follow the curve of the wood plane the glulam lamellae, for example, in parallel in the same width. This minimises the chip removal.

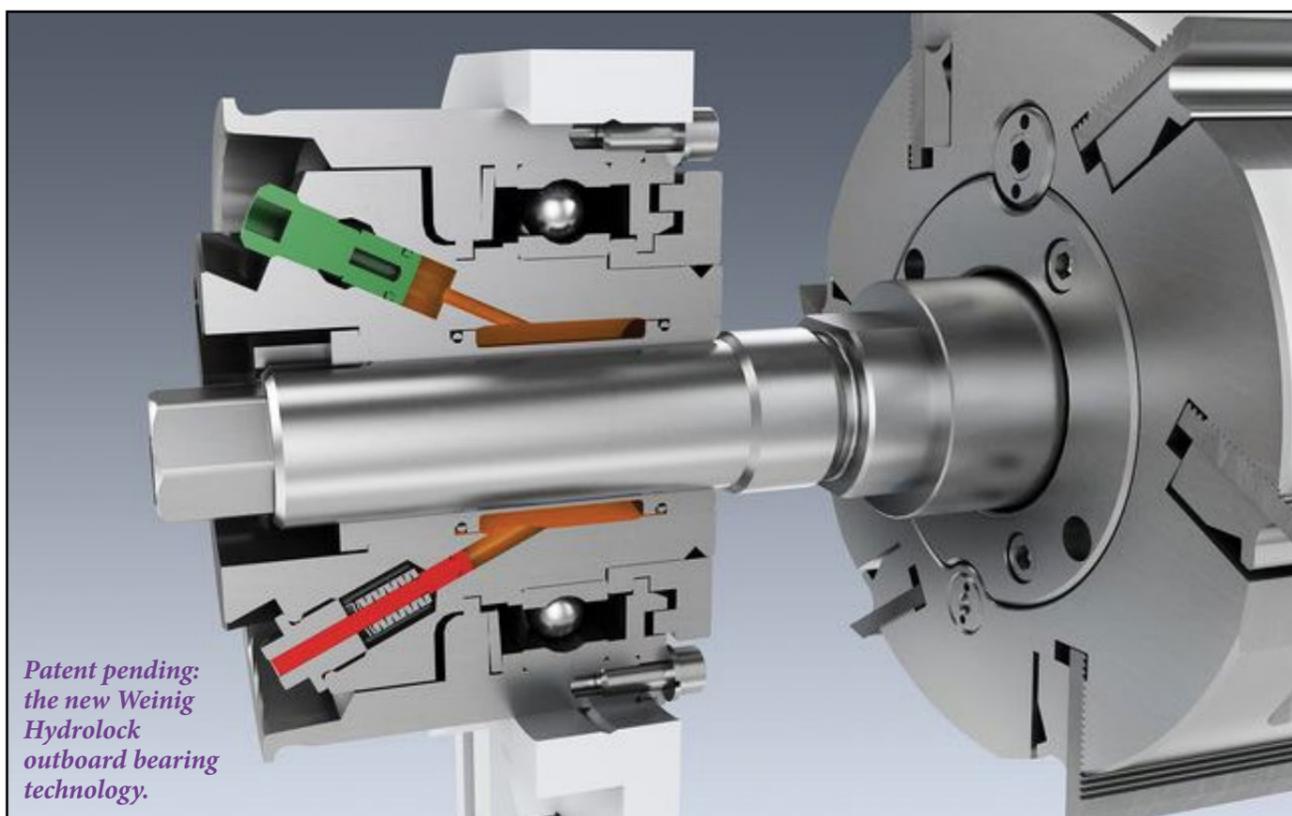
The gaps between the work pieces required by the floating spindles increase the risk of impact on the first bottom spindle. The spindle mounted at a 30 deg angle to the machine table avoids this effect.

Heavy pressure elements can also be used from above, which enable minimal chip removal at the horizontal spindles.

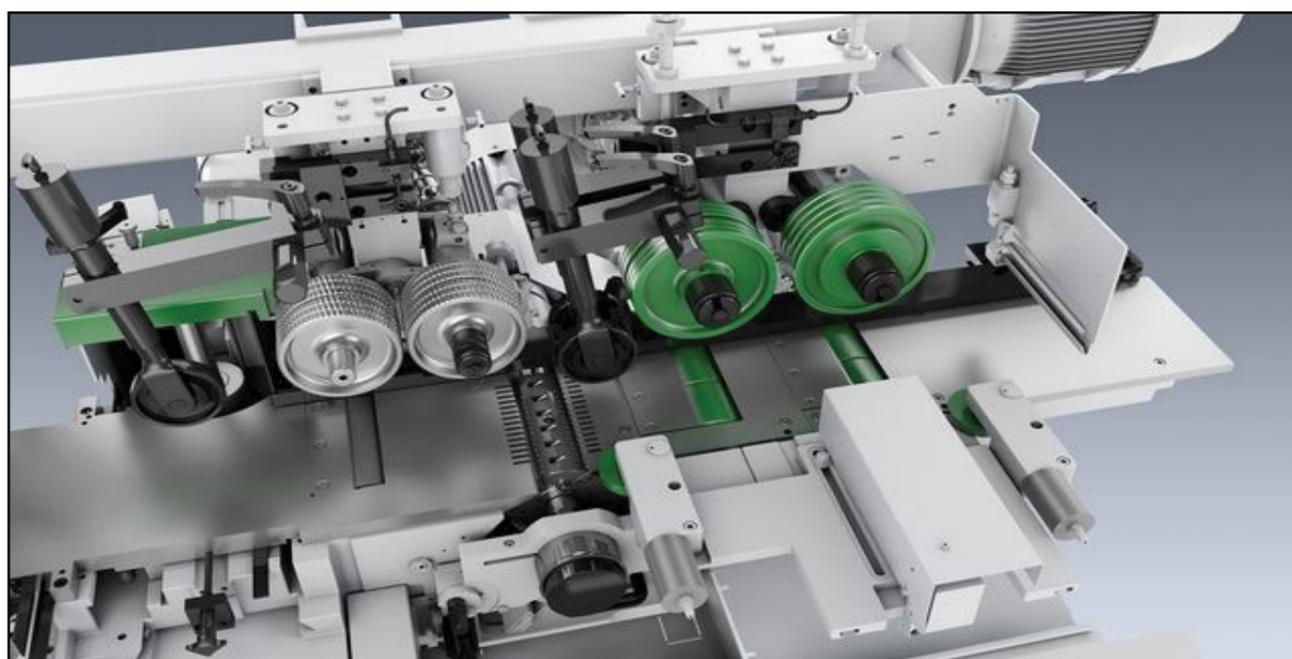
Depending on the condition of the raw material, it may be advisable to strengthen the machine infeed. Particularly with bent, damp, or heavy pieces, it is advisable to have a strong machine infeed, which supports the transportation of work pieces through the machine

The three-roller infeed ensures optimal feeding force for strips and boards, particularly when combined with infeed mechanisation.

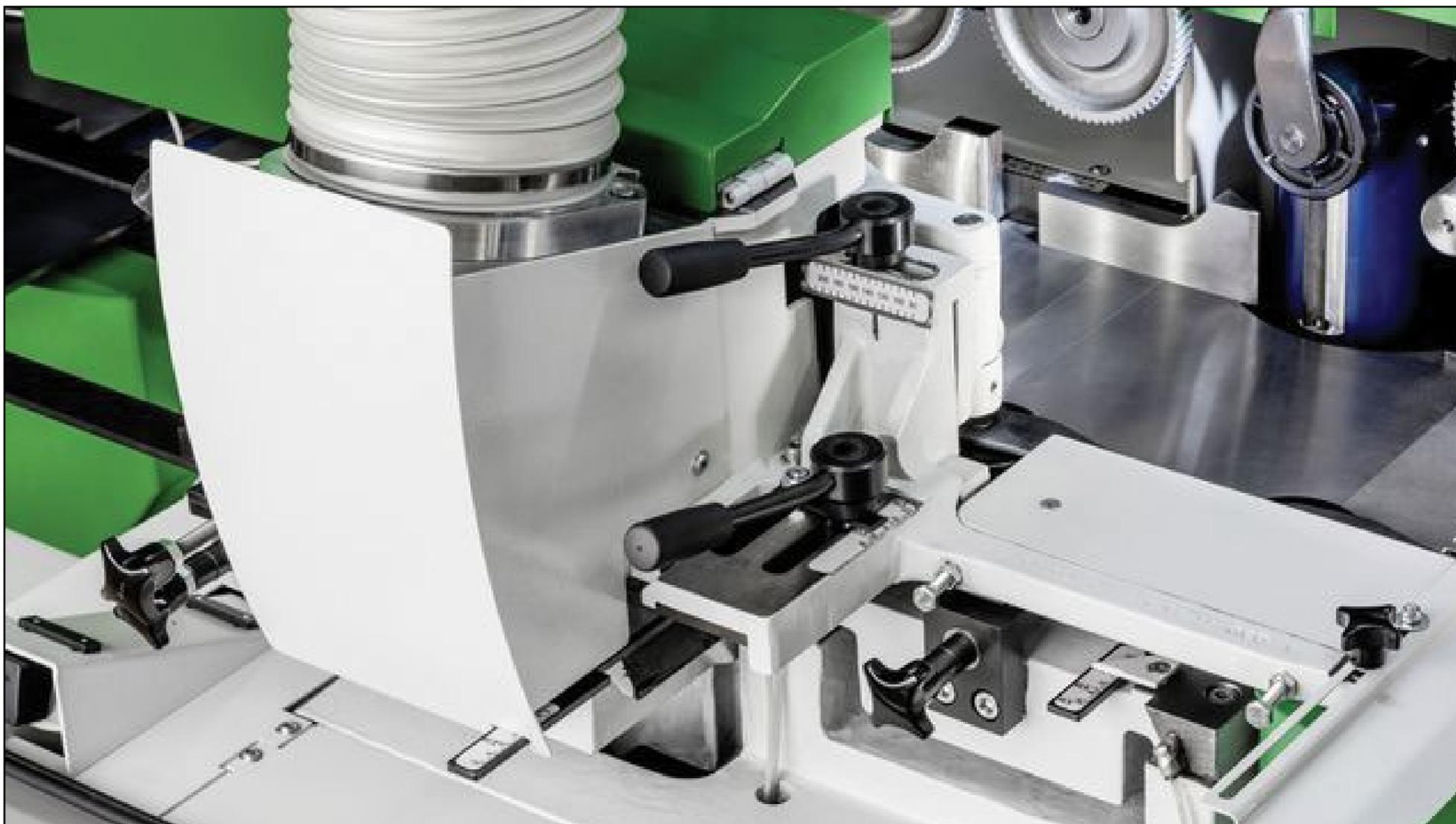
A heavier version is available in the four-roller infeed with



*Patent pending:
the new Weinig
Hydrolock
outboard bearing
technology.*

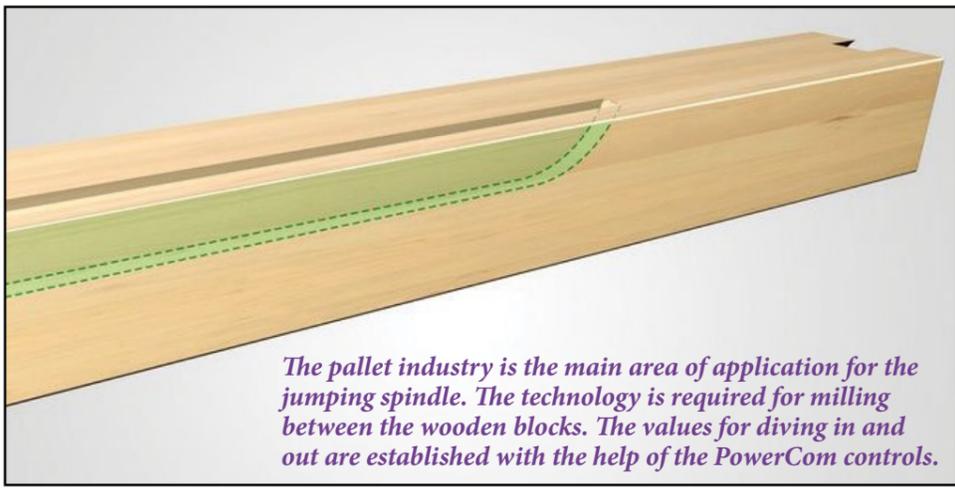


On the Weinig Powermat 3000 there is the option of having a heavier version with a four-roller infeed with two opposing roller pairs.



The new operating concept Comfort Set comprises a great number of wrench-free adjustments for pressure and guiding elements, which can be performed quickly, accurately and without error.

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The pallet industry is the main area of application for the jumping spindle. The technology is required for milling between the wooden blocks. The values for diving in and out are established with the help of the PowerCom controls.



two opposing roller pairs. In either case, it is not possible to straighten the work piece.

Above all, Weinig Powermat 3000 proves its efficiency as an integrative component of high capacity systems. It has a modular design and can be customised according to the application.

The new development is particularly attractive for woodworking businesses that produce mouldings industrially — be it from solid wood, or MDF.

In addition, the Powermat 3000 is ideally suited for the production of tongue and groove products, planks, beams and much more. The modular, expandable concept of the Powermat 3000 extends to the environment of the machine.

Weinig offers a wide range of solutions for peripheral equipment. This includes machining tools, the appropriate mechanisation, grinding technology and tool measurement up to the creation of profile drawings with the Moulder Master.

High profile diversity and order-by-order production are an increasing challenge for the flexibility of many companies.

The Moulder Master is a unique software solution that enables short delivery times to be achieved despite high demands on quality and via cost-effective production.

The basis is an expert system in which both the finished profiles and blades used for these are managed. This means that repeat orders are quickly recognised and the available tools are efficiently deployed.

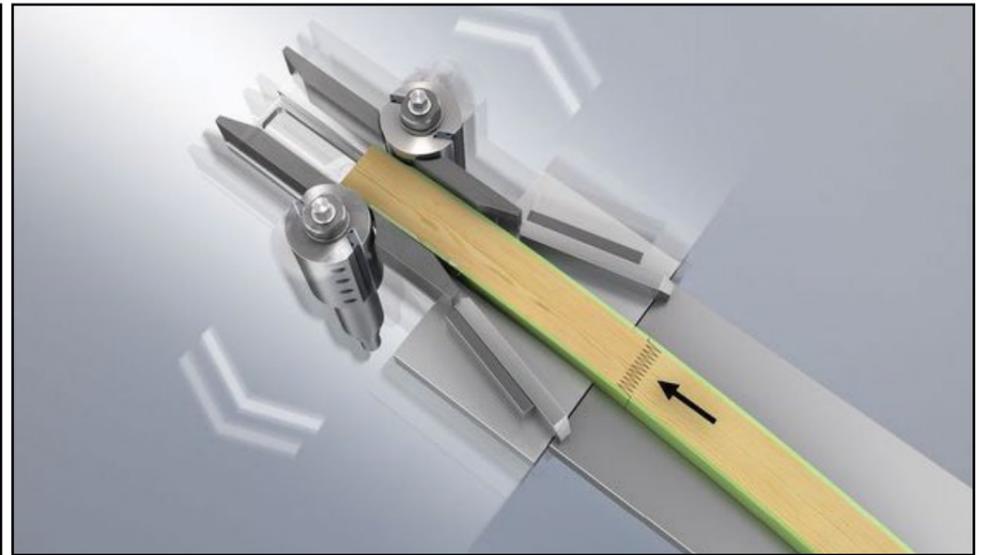
Furthermore, all essential production data can be defined during the preparation stage and forwarded to the grinding room, or machine. Profile and blade drawings are created via an integrated CAD system.

In today's times, modern technologies make it possible to offer machine operators increased support.

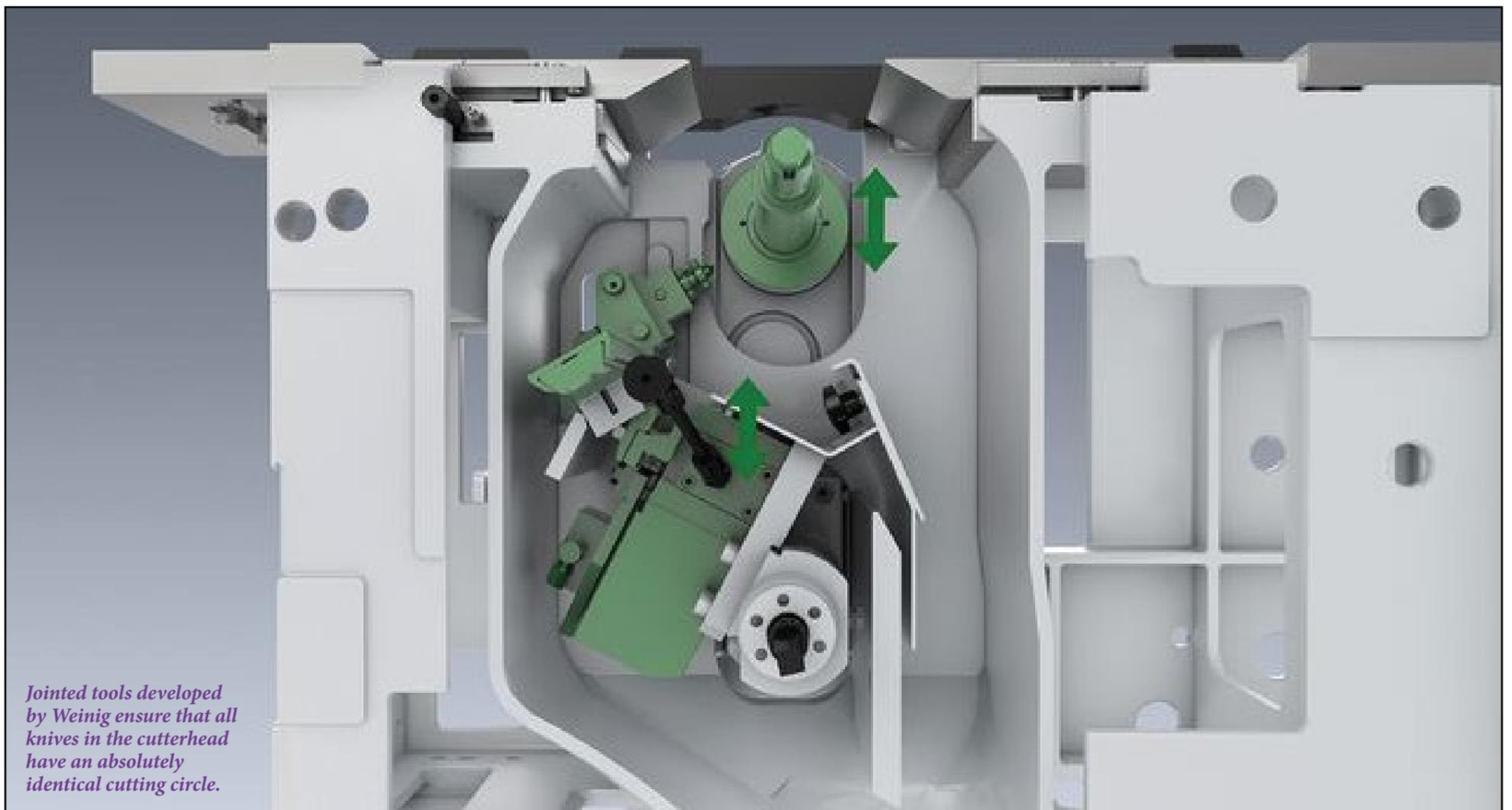
With SmartTouch, Weinig offers an innovative solution which, in addition to the main control unit, offers the display of set-up information on a mobile tablet.

In this manner, the operator always has all relevant set-up information in full view at the location where needed. Set-up information in written form, or photos can also be added.

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



As seen in the above three illustrations, Weinig has challenged itself to manage resources efficiently in a number of ways – including via modern planing technology, which opens up the potential for material savings. This particularly makes solid wood construction timber (KVH) and glulam timber, which are pre-planed in order to make it easier for the scanner to examine the surface, more profitable.



Jointed tools developed by Weinig ensure that all knives in the cutterhead have an absolutely identical cutting circle.

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COMPANY REDUCES MANUFACTURING COSTS BY PURCHASING WOOD WASTE BOILER

AUTO-Trail VR Limited is one of the UK's leading dedicated motorhome manufacturers, with over 35 years' manufacturing experience designing and building motorhomes in the UK.

The management team at Auto-Trail was recommended to speak to Wood Waste Technology by a supplier, as the company was spending around £16,000/year on skips to remove wood waste and around £26,000/year on gas heating for the workplace.

Auto Trail's director of design and development, Steve Moverley contacted Wood Waste Technology for more details, looking for information about the types of waste that could be utilised, boiler efficiency, emissions data and expected return-on-investment predictions.

Wood Waste Technology's revolutionary boiler, the WWT209 is Enhanced Capital Allowance listed. It remains one of the most efficient wood waste boilers available in the UK, having been designed and tested to BSEN303-5-2012, the highest standard for efficiency and emissions.

The boiler has been independently tested at 92.4 per cent efficiency, allowing it to qualify for the Energy Technology List.

Businesses that purchase products listed on the ETL benefit from 100 per cent first-year enhanced capital allowances on their expenditure.

The WWT209 was also the first in the UK to be declared fully compliant with the RHI scheme without the need for additional flue gas filtration equipment (significantly reducing the investment and on-going maintenance costs of a RHI compliant boiler).

The boiler offers the largest possible heat output under the Environment Agency's U4 and D6 permit (under 50kg/hr).

In addition, it does not require a local authority Part B permit (England & Wales), which saves money on the initial investment, as well as the yearly testing requirements. (More information available at www.gov.uk/local-authority-environmental-permit).

As a Carbon Trust Accredited Supplier, Wood Waste Technology's boiler can also operate in clean air zones under the Clean Air Act, as it meets the two highest standards in emissions regulations, so is able to be used in even the sternest of jurisdictions in the UK.

Wood Waste Technology also has a 100 per cent success rate in RHI applications for companies burning chipboard and MDF.

The high efficiency of the boiler helps it to provide up to 20-25

per cent more heat from your wood and, therefore, more heat on your RHI Heat meter, leading to a faster pay-back and warmer factory and offices.

The Government's Renewable Heat Incentive (RHI) offers substantial financial benefits to companies who invest in new biomass technology.

For example, companies with successful RHI applications could earn around £11,500 - £17,500 a year (with a cost of living increase each year) for 20 years, dependent upon a number of other factors.

Once the team at Auto-Trail understood that the company could make a return on the investment in less than 36 months, an order for a WWT209 automatic wood waste heater was placed.

Wood Waste Technology's specialist engineers installed the boiler. The Auto Trail team was very impressed as to how all the items were installed with minimal disruption to the busy manufacturing facility.

The company also purchased a monster GAZI32 shredder and magnetic conveyor from Wood Waste Technology, the UK official distributor for Gross Apparatebau GmbH, a German manufacturer of dependable, precision engineered shredders and briquetters.

This shredder allows whole pallets and CNC remains from boards 1220mm wide by 2440mm long to be quickly turned in to wood chips and all metal from screws and nails to be removed automatically.

'It's absolutely brilliant. I wish we'd invested in one several years ago when we first heard about them,' says Steve Moverley.

'The shredder gives us the added flexibility to burn more wood waste that would otherwise need to be disposed of and produce more heat,' continues Steve.

'The team at Wood Waste Technology has been excellent, from helping us make a decision about buying the right heater, through to the installation and after service.

'We're very pleased with the RHI return we've received, which is actually more than double the amount that was estimated, as Wood Waste Technology prefer to under-estimate the anticipated returns to clients, rather than over-promise. We can't recommend the company highly enough, concludes Steve.

Everyone in the production facility is delighted with the warmth the wood waste heater puts out into the 40,000ft² area.



The boiler is working so effectively that the system's six 54kW hot air convection fans that were originally installed in the base installation were recently extended to add two further 54kW fan heater units into other production areas that were originally heated with gas heaters.

Wood Waste Technology's years of expertise in wood waste solutions have helped many companies reduce their waste disposal and heating costs.

As well as offering site survey, design, manufacture, installation and on-going maintenance for new units, the company also services all types of wood waste heaters and supplies genuine spares up to 60 per cent cheaper than other suppliers.

In addition to being the UK's official distributor for Gross Apparatebau GmbH, the company is also a distributor for Putzmaus boiler tube cleaning systems - a powerful, but gentle routine maintenance solution that is quick and easy to use and helps to increase boiler efficiency and lower operating costs.

For further information tel Wood Waste Technology on 01785 250400. Visit www.woodwastetechnology.com, www.grossuk.co.uk or www.putzmaus.co.uk

THE RIGHT START THANKS TO FERWOOD

WHEN commercial furniture specialist, Claughtons, began trading last year, refurbished machinery specialist, Ferwood, sourced and installed a used machine that met the new company's exact specification and budget within just two weeks.

'As a start-up business, we wanted to hit the ground running. This meant getting the right machinery in place quickly and efficiently,' explains operations manager, Jeff Attwood.

'We knew the products we would be manufacturing and the materials we would be using, so when it came to shortlisting a machine, we knew the exact specification we were after,' he continues.

'We needed a beam saw that was capable of cutting up to 100 sheets of 18mm Trespa and 25mm thick MDF measuring 2800mm x 2070mm MFC each week. We also needed a tech and printer package that could run with our existing CAD software.

'We were not set on a particular make, or model but, as a new business, we didn't have the means to invest in a brand new machine,' says Jeff.

Having worked with Ferwood before, Jeff was fully aware of the scale of readily-available machines in Ferwood's inventory.

'I'd sourced used woodworking machinery from Ferwood in a previous job and I've always found them easy to work with. I knew they could offer a prompt service and had the means to get the job done quickly and efficiently. It seemed like the perfect fit for us: they could find us a machine that ticked all the boxes and get it delivered and installed almost immediately,' he explains.



After browsing Ferwood's online inventory, Jeff purchased a front loading Holzma HPP11/32 Profiline CNC beam panel saw. The machine came under Ferwood's "Ferwood Functional" brand, which sees machines checked by an independent specialist during the installation process.

'This approach suited us perfectly. It meant that, as well as offering us peace of mind, when it came to the machine's performance, the lead time was exceptionally fast.

'In fact, the whole process from initially viewing the machine on Ferwood's website to it being fully installed was only two weeks. It was a massive selling point for us,' says Jeff.

The complete installation, which was carried out by an experienced Holzma engineer, took just three days, with introductory training given to Claughton's machinists.

'At the point of installation, the factory wasn't fully up and running, which made the logistics much easier. We had the extraction system and electrics already in place and we weren't restricted by production deadlines, or

the threat of downtime. It was a sleek performance and the end result was a fully functional machine that was ready to be put to good use. What more could you ask for?' asks Jeff.

Sixth months on, Claughton Office Equipment is set to work with Ferwood for a second time. Jeff explains:

'The whole experience of working with Ferwood has been easy. The machine has been reliable - we've had no nasty surprises - and it does exactly what we need it to do.

'From previous experience, we knew that we could count on Ferwood to deliver tried and tested machinery and offer us an honest and reliable service. They did exactly that.

'That's why we've chosen to work with Ferwood again. We're now in a position to grow our business and we need more machinery to do it. We know Ferwood deliver on their promises and because of this, it's a relationship we see continuing. We would highly recommend them,' concludes Jeff.

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



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NEW SMALL-FORMAT WATERJET CUTTING MACHINE

A NEW smaller-format waterjet cutting machine has been introduced by Axyz Automation Group. Called the WARDJet A-6012, it forms part of the A-Series of machines and shares all of the same design and performance characteristics of the larger X-Series, but at a lower cost.

It will process a wide range of materials that are unsuited to traditional CNC machines, including stainless steel, various alloys and glass that are frequently used in specialist woodworking, furniture production and panel processing applications.

With a comparatively small 213cm x 124cm foot-print, the A-6012 will fit perfectly into any workplace where space is at a premium, yet it offers the same cutting power and output capabilities of much larger waterjet machines.

A key benefit is that, whilst similarly configured small-format waterjet machines operate at pressures ranging from 30,000 to 45,000psi, the A-6012 will operate at 60,000psi. This enables the same production and fast processing capabilities of a full-size machine.

The ability to operate at this much higher pressure also radically reduces the amount of abrasive required for the cutting process, thus further enhancing the machine's cost effectiveness.

As with the larger-format WARDJet machines, the A-6012 is based on a lightweight and rigidly constructed modular solid steel frame gantry that will reliably support the most robust machine operation required for high-density and heavier materials.

It also incorporates multiple cutting tool heads, an industrial-grade rack and pinion drive system for optimum cutting accuracy and the elimination of problems frequently encountered with alternative lower cost belt-driven systems and an optional water level control system and cutting table enclosure.

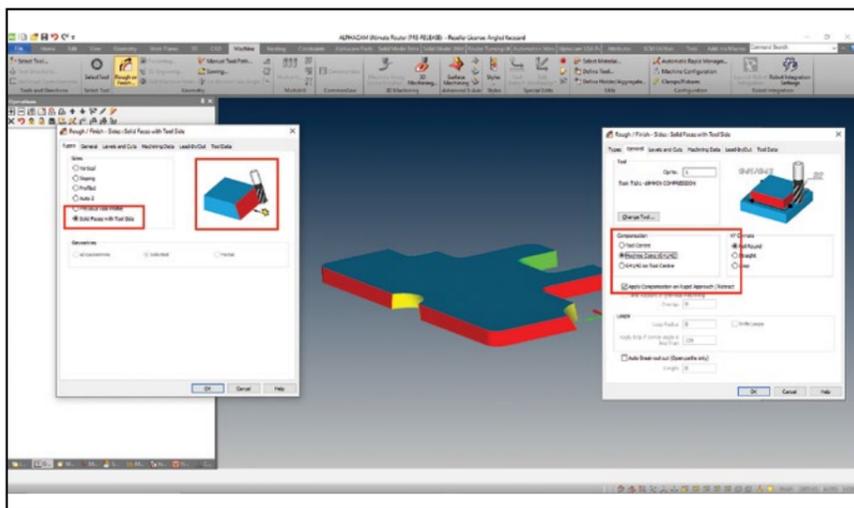
These latter features reduce splashback and thus help preserve water in addition to lowering noise levels in the workplace, thereby enhancing the A-6012's environmental credentials.



In common with all WARDJet machines, the A-6012 is supported by the proprietary and dedicated Move motion control software.

For further information tel Axyz on 01952 291600. Visit www.axyz.co.uk

ALPHACAM HAS MORE BEST-IN-CLASS CUTTING EDGE TECHNOLOGY



ONE of the major highlights of the latest release of Alphasoft from Hexagon Manufacturing Intelligence's production software business, are enhancements to the post-processor engine, delivering what is described as best-in-class cutting edge technology.

'We can confidently back up that claim, as the enhancements mean that the post-processor engine directly configures and deploys a simulation session, resulting in more realistic motion, as well as the ability to support cycles, such as M6 and additional hardware that has previously been under utilised, or ignored.

This new functionality is truly an Industry-first and will

surely to become a new standard,' says brand manager, Hector Henry.

The Automation suite has been enhanced, improving the user's experience and productivity when creating and deploying job configurations.

Whether setting up a first automation job, or whether the user is involved in complex and dynamic environments, he says that the new Set-up Wizards will make short work of daily production tasks. Regarding solids machining, specifically machining solid faces directly, he says that most industry packages are only concerned with extracting features from solids.

'However, Alphasoft sets a new standard by allowing direct interaction with them. Previously, we enhanced our solids

interaction by allowing users to see a solid face directly.

'The rough/finish command (profiling) now allows the user to directly select and machine a solid face. And if your machine supports tool compensation on custom orientations (planes), this option provides the ability to create precision parts with minimal effort, via the use of G41/G42,' explains Hector Henry.

Advanced five-axis functionality has been updated to include numerous improvements. Two new key features include the ability to integrate the tool-path optimiser into a core cycle, which can then be stored in a machining style and deployed with automation. The advanced five-axis functionality has

been updated to include barrel mill and double profile tools. Improvements in SWARF machining, multi-axis roughing and tool-path smoothing are also included in Alphasoft 2020.0.

The geometry offset command is now intelligent and dynamic, making all operations more productive, whether the user wants to simply retain attributes and information on the geometry, or to completely re-assign machining cycle parameters to a newly created offset.

'This new feature delivers an intuitive and simple way of changing tool-paths for everything from simple tasks, such as passing associative/dynamic profile machining data, to complex ones, including re-assigning a boundary to a 3D surfacing method,' says Hector Henry.

Regarding ordering and productivity tools enhancements, he explains that it is sometimes necessary to control the sequence of events and tool-path order with great care and precision, maybe requiring a preferred machining sequence to be added due to special considerations, such as hardware difficulties, or lack of part hold-down.

'This new feature provides a simple, productive and effective way to set a user-defined order in seconds,' says Hector Henry.

In conclusion, he says that Alphasoft 2020.0 contains numerous key features. These are the main ones which will be essential in improving productivity for customers working across the metalworking, woodworking, plastics and stone industries.

For further information tel Alphasoft on 01189 756084. Visit www.alphasoft.com

LIGNIA ANNOUNCES THREE NEW HIGH-PROFILE APPOINTMENTS

MODIFIED timber manufacturer, Lignia Wood Company has made three high-profile appointments to its leadership team, strengthening its capabilities ahead of global expansion.

Dale Warren, Anthony Carroll and Chris Palmer join Lignia as purchasing manager, senior technical sales executive and production manager respectively, as the company announces that its 50,000ft² manufacturing plant has been commissioned for production and distribution.

In his role as purchasing manager, Dale is responsible for the acquisition of sustainable timber globally and the development of relationships with FSC certified plantations – assignments he is well versed in, with 35 years in the trade under his belt, including working for major global timber brands.

New senior technical sales executive, Anthony Carroll has worked in the timber industry since 1991. He is highly experienced in dealing with high-end commercial and residential build projects involving timber and has developed and presented numerous CPD training courses for architects and designers. Anthony will be developing UK and European markets for all of Lignia's product range.

Chris Palmer joins Lignia with 39 years' combined

experience in manufacturing, having worked for global brands, such as Sony and Bosch and carpentry and joinery – the field in which he began his professional life. Chris will be responsible for the manufacturing team at Lignia's state-of-the-art plant in Barry, Wales.



From left to right, Anthony Carroll, Chris Palmer and Dale Warren have recently joined Lignia.

Lignia, which recently announced a sole distribution agreement with Timber Connection for the UK and Ireland, produces sustainable timber for the construction industry and for yacht decking.

The wood starts out as FSC-certified softwood, which is modified via a unique process into a beautiful and hard-wearing wood with all the properties of traditional hardwoods.

'Securing the services of these three outstanding specialists is going to have a significant impact on our business as we gear up for UK trade and global exports,' says Lignia chief executive, Hans Ng.

'Since our commercial launch, we have made significant progress in terms of business growth and are taking increasingly large orders from our distributors. It's great to see the best people out there in the timber and manufacturing world wanting to join our exciting venture,' he concludes.

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

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SOLVING A KNOTTY PROBLEM

SOFTWOOD window beads and bars can present issues for joiners. They can be the cause of excessive material waste and time, with post-installation maintenance also a regular problem.

It is well known that the problems of softwood timber window beads and bars are that they are not always straight; they can twist and invariably contain knots.

Time must be spent inspecting the profiles for defects before fabrication. Some waste is inevitable, even before a cut is made. Surface preparation prior to painting is also very time consuming.

In addition, lead times for supplies can be lengthy, putting pressure on cash tied up in stocks.

Post-installation site maintenance visits for rotting, shrinking, or weathered beads are very common, which can be costly and decimate contract profits for a joiner.

The solution:

A solution to these issues has been found through the development of wood composite materials.

Extruded profiles in the exact shape of traditional window beads and bars are now available to joiners on a nationwide basis.

When delivered to joiners, these composite profiles are

straight. They are not twisted and do not contain knots. They are cut and fixed just like ordinary timber and they are ready for painting without the need for any surface preparation.

Both large and small joiners can save money when using wood composite profiles.

Less material waste and reduced labour time means extra bottom line profits

This is where Qwood comes in...

An Oldham based company has led the development of wood composites. Qwood profiles from Quantum Profile Systems Ltd are made using lean manufacturing processes that ensure that products are available within days of when they are needed. Less stock also means better value.

The company believes that its Qwood profiles don't just help joiners save time and money in the workshop. They do not rot, shrink, or weather on site. Therefore, post installation



maintenance is not an issue for the person responsible for carrying out the installation.

In short, using wood composite window beads and bars overcomes all the issues associated with softwood timber profiles.

For further information tel QWood on 0161 627 4222. Visit www.quantumprofilesystems.com

ECOMETRICA USES DRONES TO MAP VEGETATION IN SCOTTISH FORESTS

SOARING over Scotland's majestic landscape and beautiful forests, drones are helping to map the species growing under the upper canopy of the trees thanks to advanced laser technology.

Downstream space information company Ecometrica, which is headquartered in Edinburgh, is the developer of the award-winning Ecometrica Platform, which enables businesses and governments to turn the vast and growing streams of observation data from space, air and land into actionable insights.

'This is a great opportunity to address some of the challenges facing the Environment, with innovative technologies, such as drones equipped with LiDAR sensors,' says space programme manager at Ecometrica, Sarah Middlemiss.

'A number of native plant species are facing a growing threat from land use change, development and climate change and this initiative will help identify, for example, the spread and impact of invasive rhododendron in key areas of Scotland,' adds Sarah.

The data collection is organised through the Scottish Earth Observation Service (SEOS) operated by Ecometrica in partnership with funding partners; Forestry Commission Scotland, Scottish Orienteering, the Woodland Trust and the University of Edinburgh.

The spread of rhododendron is a key challenge to the Forestry Commission, who have partnered in this initial project.

The data has value to multiple other users in Scotland, such as the Woodland Trust, who are interested in mapping remnant forest, the University of Edinburgh, who can use the data for innovative research, and Scottish Orienteering, who are interested in high resolution digital terrain models in preparation for hosting the World Orienteering Championships from Edinburgh in 2022.

'The talent and resources available in Scotland gives us the opportunity to use our own backyard as a test bed for technology that will play an important role in monitoring endangered tropical rainforests and helping manage the resources we have to protect them.'

'At the same time, knowledge is being harnessed and developed in Scotland, which will help shape future policy and initiatives,' says Sarah.

Among its projects, Ecometrica spearheads Forests 2020, a UK Space Agency programme to map deforestation of tropical forests in West Africa, Latin America and South East Asia direct conservation efforts effectively, a project that, until now, has previously relied on a range of satellite data and sources on the ground to build its detailed interactive maps of crops and forests.

Now, thanks to advances in unmanned aerial vehicles and laser-based LiDAR imaging system, astonishingly detailed 3D maps that distinguish between plant species, unobstructed by other vegetation, can offer unique insights into the health of ecosystems.

Ecometrica hopes to deploy LiDAR drones in West Africa later this year, to better understand how and where cocoa farming is encroaching on protected forests.

Cocoa is a shade-loving crop that is often grown

under the forest canopy and LiDAR can see through the top layer of vegetation to map the whole breadth of a forest.

This makes the technology particularly effective in cloudy weather and viewed through expert eyes it can give a precise picture of the health of a forest.

'You can't map everything from satellites,' says Sarah Middlemiss.

'We need other data sources and LiDAR is about the richest you can get,' she adds.

Ecometrica, the downstream space and sustainability company, turns the vast and growing streams of observation data from space, air and land into actionable insights for business, government and society.

A leading provider of sustainability and earth observation services, its satellite mapping technology is being used to protect 300 million hectares of tropical forests as part of the Forests 2020 project, which Ecometrica is spearheading on behalf of the UK Space Agency's International Partnership Programme (IPP).

Ecometrica is one of the world's top sustainability brands, as named by industry analyst, Verdantix.

It is the only CDP Gold Software Partner for its climate change, forests and water programmes.

Ecometrica's geospatial data mapping services, which support all aspects of sustainability planning, operations and reporting by businesses and public organisations, are available worldwide, through offices in the UK, USA, Canada and Mexico.

The firm is a winner of the prestigious Environmental Leader Product of the Year Award two years in a row, for its Ecometrica Platform.

It is also ranked on the FT1000 list of Europe's fastest growing companies and Deloitte's Technology Fast 500.

Founded in 2008, Ecometrica's formidable story derives directly from the vision of its founding members and leadership - executive

chairman, Dr Richard Tipper, chief executive Gary Davis and chief product officer, Bertrand Revenaz.

Backed by a team of recognised experts, Ecometrica has unrivalled experience in environmental sustainability accounting and reporting.

The Ecometrica Platform, a web-based accounting and sustainability management solution, combines earth observation data from satellites with local information and business intelligence, to bring clarity to environmental and natural resource challenges facing corporates and governments alike.

It helps businesses to easily track and map their impact on natural capital assets, like forests and water, tracking supply chain activity, verifying sustainable product sourcing, and environmental reporting to established sustainability frameworks.

It makes the terabytes of raw data being sent to Earth by satellites easily accessible, bringing limitless possibilities for its application.

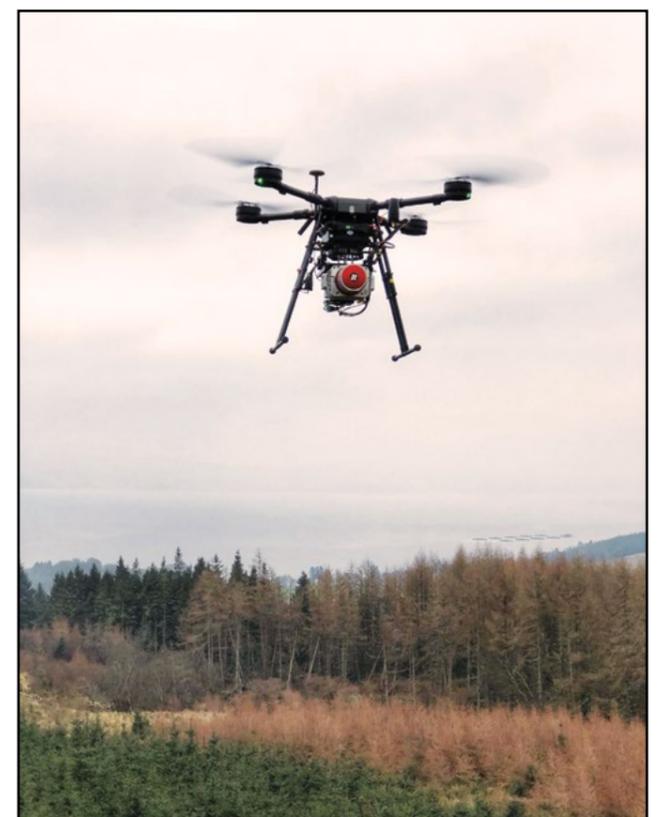
It is the only sustainability software solution with audit-ready assurance from a Big Four auditor (PwC).

For the largest customers who get their accounts externally audited, this means avoiding costly pre-audit fees that often run into hundreds of thousands of pounds per year.

For further information visit www.ecometrica.com



The team from GeoAerospace readies a drone for its next flight near Lochgilphead in Argyll and Bute, Scotland, as part of a programme to map species growing under the upper canopy of the trees, using advanced laser technology.



A drone surveying forests near Lochgilphead in Argyll and Bute, Scotland, as part of a programme to map species growing under the upper canopy of the trees, using advanced laser technology.

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BROOKS BROS FORM WEINIG FOR EFFICIENCY



Left to right, managing director of Brook Bros (UK) Ltd, Mark Fleming, Weinig sales representative, Steve Cracknell and Brook Bros director and general manager (Danbury), Simon Greig.

WITH 60 per cent of its multi-million pound turnover dedicated to added value product, Brooks Bros is one of the UK's first complete timber service providers to install Weinig's Rondamat 1000 CNC tool grinder, raising the capabilities of its Danbury tool-room to the next level.

The company has also added the latest Weinig Powermat 1500 moulder with Powerlock tooling to its suite of advanced moulders at its Danbury site.

Over the past decade, Brooks Bros has installed 24 machines from Weinig at its manufacturing sites in Danbury, Sewstern, Skelmersdale and Nottingham.

'Our customers' demand for machined and finished timber product continues – from straightforward planing to intricate mouldings and profiles – and now, with our latest investment in the Rondamat 1000 CNC for the Danbury tool room and the new Powermat 1500, we have the ability to meet every bespoke requirement our customers might have,' says managing director, Mark Fleming

The Rondamat 1000 CNC is a fully automatic machine, driven by the latest MoulderMaster software, without the need for an operator.

Once set-up, it then runs unattended, with the MoulderMaster software negating the need for templates.

'The Rondamat 1000 is a game-changing automated grinder. Its more accurate grinding of tools means that our Powermat 1500 moulders can now run up to 10 per cent faster, while still giving an excellent surface finish,' says Mark.

In addition to the Rondamat 1000, Brooks Bros has invested in a 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 digital Opti-Control setting stand and the Powermat 1500 moulder with Powerlock tooling.

The Powermat 1500 is the flagship moulder of Weinig's new generation of Powermats.

Weinig's Powerlock tooling for the Powermat 1500 enables the machine to run at higher speeds up to 12,000rpm, doubling the production throughput of a conventional moulder and shortening availability times of product for customers.

Weinig's sales representatives, Steve Cracknell, Simon Bridge and Dean Grimbley 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 it can respond to customers' needs quickly

with fast setting times and running speeds, which gives a particularly good finish on hardwood mouldings.

'The dynamics have changed within the industry. Customers want machined products, often fully finished to their unique specifications and they buy from us,' explains Mark.

'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,' he adds.

'Our customers, which include the door-set industry working in healthcare, commercial and high-end apartment construction and fit-out, demand very quick service of the highest quality and accuracy.

'With the help of Weinig technology and machinery, Brooks Bros delivers quality of the highest standard on time, every time,' he adds.

'Brooks Bros' experienced machinists like using Weinig machines, citing their user-friendliness, ease of use and speed of setting.

A major benefit of the Powermat 1500 is the ComfortSet, which makes operator settings very easy to adjust.

'Weinig machines are the best in the world. The amount of work we put through is relentless. Our Weinig moulders process



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A PARTNERSHIP WITH AND MORE FLEXIBILITY



hardwood day in, day out, six days a week,' says Mark Fleming.

'The reliability of the machines and the reassurance of working with Weinig is not just nice to have; it is a necessity,' he adds.

Every Brooks Bros site has Weinig Powermat moulders specified for more intricate mouldings and challenging profiles for windows and doors.



'We wonder how we managed without them,' says Mark Fleming.

Brooks Bros sends its key personnel to Weinig's advanced training centre for tool-room operatives at Weinig Expo in Abingdon.

The training centre caters for all Weinig's advanced computer-controlled training needs, from PowerCom to RipAssistPro.

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 year.

'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,' says managing director of Weinig UK, Malcolm Cuthbertson.

'Decades of Weinig's wood processing

experience the adoption of new technology have influenced the development of the new generation of Powermat moulders,' says Mr Cuthbertson.

'This is an exceptional, state-of-the-art machine, which offers outstanding ease of use and helps maximise productivity for our customers,' he concludes.

For further information on Weinig tel 01235 557600.
Visit www.weinig.co.uk
For further information on Brooks Bros visit www.brookstimber.com

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OVVO WINS GLOBAL ACCOLADE AT INTERZUM



OVVO, which is based in Country Louth in Ireland has been recognised for design expertise at the global Interzum Awards for the third consecutive time.

Interzum 2019 is the world's leading trade fair for furniture production and was held in Cologne, Germany from May 21-24.

At a glittering awards ceremony held on Monday May 20 to open this year's event, the Ovvo V-1230 connection series was awarded a "High Product Quality" Award.

The Interzum 2019 awards are hosted in collaboration

with Red Dot, which stands for belonging to the best in design and business.

The Interzum Award emphasises the significance of design as a value-added factor and is an internationally-recognised label by which winners can be set apart from their competitors in a positive way in the global market.

Application for "Interzum Award: Intelligent Material &

Design" was open to all exhibitors at Interzum 2019.

The submissions were assessed in late March by an expert jury of five respected and independent international experts from design and architecture, who assessed the products' design quality and made a final decision concerning the industry award.

The judging criteria were as follows: Degree of innovation, Functionality, Material Quality, Design and Sustainability.

The innovative new V-1230 connection series uses the patented Ovvo dovetail-design in a range of connectors that now make the Ovvo connection system accessible to manufacturers with all types of CNC equipment, including nesting and drilling machinery.

Prior to the introduction of the products, the system could only be used by manufacturers with end-milling CNC capability.

The new range of connectors greatly extends the range of materials, industries and applications in which Ovvo can be used and is available in both permanent and releasable versions.

The V-1230 series works best in board with a thickness of 15mm and above. It can also work in slightly thinner materials that are more dense, such as high pressure laminates, composite material and solid wood for certain applications.

The innovative dovetail design delivers increased intrinsic tolerance, which leads to enhanced shear and tensile strength of the joint created; the V-1230 for nesting fits in an industry standard 25mm drill hole, whilst the V-1230 for drilling features two self-locking dowel-shaped pins with 32mm centres that use in-built tolerance of the housing to deliver superior joint strength.

'Winning a "High Product Quality" award at Interzum 2019 means a great deal to Ovvo. It is a fantastic endorsement and validation of our latest product range, which we have put a huge amount of effort and time into to develop and design,' says Ovvo managing director, Brendan Phillips.

'We are now more confident than ever that Ovvo will transform the woodworking industry and look forward to working with more and more customers to revolutionise their businesses,' he adds.

Ovvo has been trading since 2014 and employs six people in Dundalk, Co. Louth, Ireland. The Ovvo connection system is a unique, patented solution that allows two pieces of material to join together without the use of tools, glues, or screws.

It is an invisible solution that delivers a tightly held bond between the two materials being joined.

The product is manufactured in Dundalk, Co. Louth, Ireland.

Before winning the Interzum High Product Quality Award at Interzum 2019 for the new V-1230 Series, the original connection system had been awarded numerous prestigious awards, including the Irish Times Innovation Award (Manufacturing Category) 2014, an Interzum Award for High Quality Design in 2015, the MTP Gold Medal at Drema International Fair in 2016, and the "Best of the Best" Award at Interzum 2017.

The company was a finalist in two categories (Innovation & Manufacturing) in the Irish Small Firms Awards in 2019 and also won the Best Early Stage Company (Leinster-Connaught section) at the 2016 InterTrade Ireland Seedcorn Investor Readiness competition.

Ovvo has been supported by Enterprise Ireland as a HPSU (High Potential Start-Up) since 2016.

For further information tel Ovvo on 00 353 42 937 0070. Visit www.ovvotech.com/product

OVVO
FOR NESTING

THE FUTURE OF CONNECTION

New push-in connector that fits in standard 25mm drill hole
No tools, no screws, no glues needed.

Features & Benefits:

- Pushes easily into single 25mm standard drill hole
- The **angled shoulder** combines with the OVVO® housing to deliver significant **intrinsic tolerance**
- Dovetail design features maximise contact surface area, giving **superior strength** to the joint
- Suitable for use in boards ≥15mm thickness
- Available in Permanent and Releasable options
- Part of the Interzum 2019 'High Quality Product' award-winning V-1230 Series

PERMANENT

Designed to simply push and click in the housing, the permanent connector is currently the only nesting solution that offers push-in functionality.

Push>Click>Connect

www.ovvotech.com
sales@ovvotech.com
+353 42 937 0070

RELEASABLE

Featuring a ramped design that allows it 'wedge' securely into place, the releasable connector increases the tolerance with the joint by combining the award-winning dovetail design feature on the underside of the connector.

Slide to Connect

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UPGRADE FURNITURE WITH TITUS SOFT CLOSE

CABINET hardware specialist, Titus is now offering a full range of retro-fit dampers that make it easy to add soft close to existing furniture.

The range will appeal equally to furniture manufacturers who can upgrade their products without making design changes.

The add-on dampers, which are available in versions for use with hinged doors, sliding doors and drawers, feature proprietary Titus technology that makes them easy to adjust and ensures a long reliable operating life.

For drawers, Titus offers three add-on damper options: the Titusoft MD, for single-wall metal drawers, the Titusoft WD for wooden drawers with roller runners and the Titusoft FF for face frame cabinets with wooden drawers.

All types are positioned at the front of the cabinet to ensure simple, fast and accurate installation.

No pre-drilling is needed, so the dampers can be fitted during furniture assembly, or at a later stage when the furniture is already in use.

Four options are available for adding damping to hinged doors. Where Titus T-type hinges are already in use, the Glissando TT damper simply clicks into place to provide ConfidentClose motion control.

This damper fits directly into the concealed hinge cup and takes up no extra space inside the cabinet.

The Glissando TL is an equally convenient add-on for TITUS B- and S-type hinges, while the Glissando TL170 adds soft closing to concealed hinges with 170-degree opening angle.

All types are readily adjustable to suit a wide range of door weights.

The fourth Titus option for adding damping to hinged doors is the Glissando CR, a stand-alone damping solution that can be used with any type of hinge. It offers easy and intuitive place-and-fix installation and readily adjustable damping force.

For sliding doors, the Titus add-on damper range includes the Titusoft SD100 for top-running doors and the new Titusoft 100s for bottom-running doors with "U", or double U profiles.

Both types have a 100mm damping stroke and provide controlled damping with no rebound and a consistent soft closing on doors

of different sizes and weights.

Titus cabinet hardware solutions have been making homes all over the world better for decades.

They improve furniture quality and make it easy to assemble at home, giving an important competitive advantage to furniture manufacturers and installers no matter where in the world they may be based.

Titus cabinet connectors are engineered to improve furniture quality and facilitate the manufacturing process.

Furniture assembly at home has never been this fast and nor has it ever been this easy.

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



OVVO

FOR DRILLING

THE FUTURE OF CONNECTION



New invisible push-in connector featuring two self-locking-dowel shaped "pins" with 32mm centres that use inbuilt tolerance of the housing to deliver superior joint strength.

Features & Benefits:

- Dowel-shaped "pins" are set 32mm apart allowing easy integration into any current drilling operations
- Unique design of "pins" allows easy insertion by end user
- This, in turn, allows product to be shipped without parts inserted
- The "bridge" between the pins automatically sets a consistent depth across the joint, delivering consistent tolerance
- Suitable for use in boards $\geq 15\text{mm}$ thickness
- Available in Permanent and Releasable options
- Part of the Interzum 2019 'High Quality Product' award-winning V-1230 Series

PERMANENT



Featuring two end 'shoulders' that eliminate any sideward movement and deliver a secure joint when simply pushed and click into place, the permanent connector is ideal for use in 70mm stretchers in cabinet assembly, saving time and money.

Push>Click>Connect

RELEASABLE



Featuring a ramped design that leads the connection to 'wedge' securely as it is slid into place, the releasable is ideal for RTA furniture assembly.

Slide to Connect

www.ovvotech.com
sales@ovvotech.com
 +353 42 937 0070



IDEAL CHOICE FOR BOTH WINDOWS & DOORS

STONEBRIDGE's range of ArmorCoat® finished hand-forged steel hardware has now been certified as ideal for use with Accoya® wood.

The industry-leading all-weather Armor-Coat® range has undergone extensive testing to ensure that it is fully compatible with the popular material, making it the ideal choice for Accoya® windows and doors.

The Armor-Coat® has already been independently tested and certified to the full BS EN 1670:2007 Grade 5 after undergoing more than 480 hours of salt spray testing – something that no other forged steel product on the market has come close to certifying.

For further information visit www.stonebridgeforge.com

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SPECIALIST IN THE PROVISION OF BIOMASS BOILERS & POWER PLANTS

THE global energy situation is characterised by limited natural Viessmann wood combustion systems – innovative wood-firing systems up to 8,000kW gas and oil reserves as consumption increases. In addition, increasing CO2 emissions heat the earth's atmosphere and thus lead to climate change.

This forces a responsible use of existing resources and requires more efficiency and the increased use of renewable energies.

Biomass plays a special role here. It provides most of the renewable energy, is steadily available and can be stored as needed, unlike wind and solar energy.

Wood as a fuel remains cost-effective in times of unpredictable energy prices, burns CO2 neutral and, in conjunction with sustainable forestry, helps to implement environmental and economic goals.

As a specialist for biomass boilers and power plants in the power range up to 8,000kW, Viessmann Holzfeuerungsanlagen GmbH is one of the leading full-service providers in this industry. Viessmann Holzfeuerungsanlagen focuses on the conception and implementation of biomass plants for industrial,

commercial and municipal customers.

With an export share of around 88 per cent of sales, the company is internationally orientated, with more than 4,000 plants in operation in Europe alone. Viessmann Holzfeuerungsanlagen (Mawera) was

founded in 1975 as Mawera and currently employs around 120 people at its location in Austria.

From boilers through to fuel delivery systems and exhaust gas cleaning the products are suitable for all wood fuels.

Essential features include the different firing systems, which are individually planned for each project and tailored to the needs of the customer.

Depending on the heat demand, hot water, steam or thermal boilers are used. Viessmann supplies the tailor-made systems turnkey and also provides the necessary accessories.

Services such as conception, service and assembly organisation emission measurements and the renovation of old plants complete the offer.

As the leading international supplier of heating technology systems, the Viessmann Group offers a complete program for all energy source and performance ranges.

Founder in 1917, the family owned company employs 12,000 people worldwide. With 23 production companies, sales organisations in 49 countries and 120 sales offices worldwide, Viessmann is internationally orientated.



For further information tel Mawera on 01543 258844. Visit www.mawera.co.uk

PALAMATIC PROVIDES A LIFT FOR PANEL PROCESSORS



efficient use of labour and reduced injuries and claims.

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

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

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

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

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

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



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

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

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

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

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

As a proven Health & Safety solution, a Palamatic vacuum tube lifter offers increased operator safety and performance, allowing

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ACHIEVING HIGH VOLUMES WITH THE VITAP BLITZ

THE Vitap Blitz has undergone a transformation. The original machine would drill and insert glue and dowels, but only in the edge of the panel.

Customers loved the machine and its price, but wanted to be able to face drill for a cam fitting.

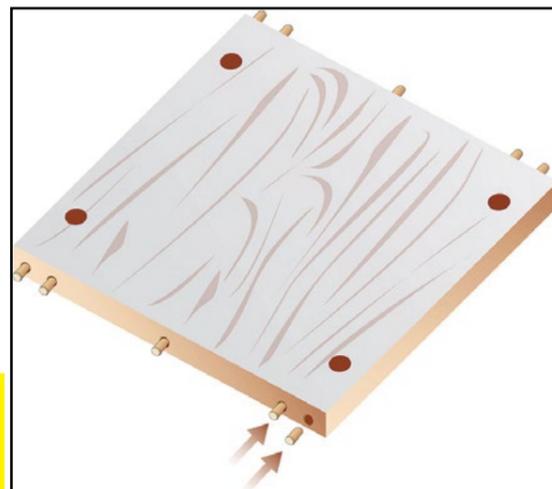
Vitap listened and has now developed and released the latest

version of the machine.

With a working width of 1300mm, which splits into two, allowing both left- and right-handed components to be

drilled simultaneously, three horizontal drills and a glue and dowel insertion head the machine is capable of achieving high volumes of production for a very reasonable cost.

The machine has a 19in TFT monitor and Albatross TPA software. Programmes can be either created on the machine, in the office and downloaded via a memory stick, or the machine can be equipped with a bar code scanner to maximise production and eliminate operator error.



For further information tel Ney on 024 7630 8100. Visit www.ney.co.uk

PROFESSIONALS REVEAL HOW THEY ARE BENEFITTING FROM 3D PRINTING

ONE of the fastest-growing developments in the world of technology has been that of 3D printing. It is the process of depositing successive layers of material (e.g. plastic, metal, wax etc.) in a 3D printer, to create a physical object envisioned from a digital model.

3D printing technology has already been heavily adopted in industries, such as aerospace, automotive and industrial goods.

With organisations in these respective industries utilising 3D printing for aspects, such as making those parts/components that cannot be manufactured through conventional machining, or laser processing techniques.

Interested in cutting-edge technology, mobile phone specialists Case24.com analysed findings from online 3D printing services provider, Sculpteo, who surveyed 1,000 professionals (from a range of industries) to better understand how they are using 3D printing technology.

Case24 found that professionals are most commonly using 3D printing for prototyping (55 per cent) – ideal for tangibly showcasing a prospective model/concept and then gaining instantaneous feed-back on its design, as well as functionality.

Thereafter, 43 per cent are applying the applications of 3D printing within their production process.

In third position, 41 per cent of experts believe that 3D printing allows them to prove that the concept of a potential product/component works to its desired and expected effect/output.

Interestingly, 18 per cent of professionals are using 3D printing to produce valuable marketing samples. Slightly below, 16 per cent are equally deploying 3D printing for artistic, as well as educational purposes.

Oppositely, 10 per cent consider 3D printing as a hobby – an area of their job that they can experiment with and test out, when not focusing on the principle aspects of their role/responsibilities.

Furthermore, Case24.com also sought to identify from

the report what the professionals' thought were the biggest benefits they have gained from implementing 3D printing technology.

Case24.com discovered that complex geometries (48 per cent) is the greatest benefit professionals have experienced from 3D printing.

Complex geometries referring to those models which are typically difficult to imagine, but can easily be generated with a 3D printer.

Subsequently, 39 per cent reported 3D printing beneficially led to a fall in the lead times of their production process, whilst 30 per cent stated that installing 3D printers has made their operations financially more prudent.

Perhaps unsurprising, as 3D printers can make models multiple times with just the materials required – thus, not only decreasing turnaround times but unnecessary spend on materials.

Fascinatingly, 28 per cent of experts believe that 3D printing has been advantageous to their engineering re-design function, whilst 22 per cent place 3D printing as the primary attribute, which has enabled them to reduce the number of steps in their assembly line.

Given that many organisations drive to constantly achieve efficiency where and when possible – 18 per cent think that 3D printing has aided their continuous improvement ideology.

Contrastingly, a mere 8 per cent feel that 3D printing has had a positive impact on their remote production capabilities.

Just above, 9 per cent cite the utilisation of 3D printers as an important factor in them successfully achieving supply chain optimisation.

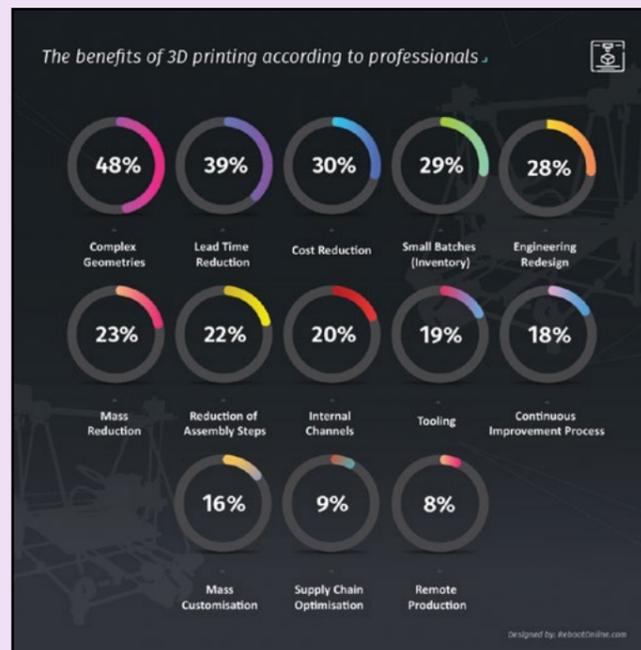
'3D printing has significantly evolved over the years, establishing itself as a ground-breaking piece of technology,' says managing director of Case24.com, Philip Donker.

'Considering that the technology is being harnessed in

a large variety of sectors, it has become integral for firms consistently seeking to innovate and make efficiency gains in their production cycle.

'This research provides a comprehensive insight into the different way's professionals are using 3D printing and the biggest benefits they are gaining from doing so.

'These indicators showcase the current influence of the technology and how 3D printing is allowing companies/professionals to develop a powerful competitive advantage,' concludes Mr Donker.



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