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Turn to Page 9 of this issue to find out more about the four model WA8 range.

WEINIG'S TOP 10

THINK of quality German engineering. Think of what is probably the best range of woodworking machines on the market. THINK WEINIG!

In this issue we take a close look at some of German manufacturing giant's Top 10 selection.

And which machine takes the pole position in Weinig's Top 10? Is it the Cube which offers such easy four-sided planing? The ProfiRip - Weinig's high performing multi-blade rip saw?

Perhaps you would go for the Unimat series renowned for providing 100 per cent quality

for planing and profiling, or maybe your choice is the exceptional precision of the Rondamat grinder?

Weinig's ProfiPress L 11 is certainly a very compact and high performance gluing press offering the highest technical levels in terms of innovation.

On Pages 12, 13, 16 & 17 of this issue these are just some of Weinig's offerings we look at in detail in our review of Weinig's Top 10 - just part of our review of the best of Austrian, Dutch, German and Swiss manufactured machinery.

Weinig's ProfiRip series of multi-blade rip saws offers a wise investment for the professional user.



HELEN APPOINTED

HELEN Hewitt has been appointed permanently to the role of CEO of the British Woodworking Federation (BWF). She had held the role on an acting basis since July 2018.

Helen joined the BWF as membership director and Wood Window Alliance lead in November 2017 and has already made a significant impact in many areas of the business, with a particular focus on membership growth and engagement.



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AXYZ TO LAUNCH ENHANCED MACHINE TRADE-IN PROGRAMME

FOLLOWING the success of its Pacer machine trade-in programme, Axyx Automation Group is to launch a new initiative that will have a much broader appeal to potential purchasers of Axyx CNC routers.

In addition to Axyx and Pacer machines used as trade-ins, this latest programme will now extend to any other make of machine from a third-party supplier, regardless of type and country of origin.

Significantly the trade-in programme, with

its enticing trade-in allowance of up to £7,500, is also available to smaller companies wishing to replace a router that had failed to perform to the required and promised standard.

Such machines are invariably purchased on the basis of price alone from suppliers that have limited resources and frequently change product lines to reduce their own costs. This often leaves buyers with unsupported equipment and no immediate access to essential spare parts and accessories, or reliable ongoing technical support.

Invariably, this has resulted in sub-standard and unacceptable output, dissatisfied customers and the potential for a huge financial loss.

Apart from the financial attraction of the generous trade-in discount, owners of new Axyx routers will benefit from a raft of production enhancements.

Typically, these will include much higher feed rates, smoother motion for optimum material edge finish, a much wider choice of routing/cutting heads and accessories, improved material hold-down capability for greater accuracy and fully

integrated dust extraction and workplace safety systems. Collectively, these will enable much higher levels of productivity, radically reduced material wastage, a longer than normal machine life, enhanced customer satisfaction and increased profitability.

Purchasers of any new Axyx router will also have shared access to a wide range of both standard and optional machine tool enhancements.

These include an expanded (up to 33 stations) ATC (Automatic Tool Change) and the latest Axyx Auto Zone Management system for optimum material hold-down efficiency.

These are supplemented with the latest A2MC machine controller that greatly reduces, or eliminates "bounce" and vibration caused by sudden acceleration/deceleration frequently experienced with less technically advanced systems and the integrated AVS (AXYZ Vision System) that provides greatly improved routing/cutting accuracy.

Completing the options available is the latest helical rack and pinion drive system incorporating a multiple gear teeth configuration.

This enables more even distribution of the workload, faster throughput rates, reduced material wastage, quieter operation and, ultimately, a much longer than normal machine life.



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ALPHACAM UPDATE ALLOWS KITCHEN DOOR MANUFACTURER TO MAKE SIGNIFICANT SAVINGS

A COMPANY manufacturing around 65,000 doors/week for kitchen cabinets says that its future lies with robotics, automation and increased efficiencies.

Based at Dungannon in Northern Ireland, O & S Doors uses Alphacam CAD/CAM software to drive 17 Biesse CNC routers, four Reichenbacher machines and one Homag.

The Biesse machines, including two five-axis models and the Homag, are all programmed for full production runs, with the Reichenbachers largely used for bulk production.

The company's range includes cabinet doors and drawer fronts made principally from an MDF core with PVC, or acrylic fascias, along with some solid wood doors.

While recent updates to Alphacam's powerful nesting function have substantially improved their material yield, O & S Doors' projects manager, Paul McCullagh says that the software's five-axis capability is also an important part of the equation.

'Our five-axis machines give us the capability to produce what we claim to be the widest and most flexible range of curved doors made to order in the UK and Irish markets,' says Paul.

'Virtually every design we offer can be recreated in a curved format along with matching accessories. The use of the Alphacam software is invaluable in this regard,' he adds.

Alphacam's new nesting engine improves material yield by between six and eight per cent on each sheet which, Paul says, equates to a lorry-load of board every week.

'This is contributing towards offsetting increased raw material costs,' says Paul.

'Increasing efficiencies in this way allows us to continue investing in other automation projects within the factory and, ultimately adds to the company's bottom line,' he adds.

It's automation that Paul sees as being the way forward. O&S already has a robotic arm for loading boards at the start of the process where the acrylic front is laminated on to the MDF core.

'We've now got a module to show the time each router spends on cutting each sheet. This has led to several improvements, as we can now easily monitor the efficiency of every router to ensure we're getting the absolute best we can from each one,' says Paul.

Operating from a 400,000ft² factory with around 350 employees, O & S Doors says that the company's Sage Line 500 ERP system has been adapted to integrate with Alphacam.

'Once the orders are keyed in, we take a CSV file across to Alphacam's Cabinet Door Manufacture module, which produces our nested sheets,' says Paul.

'On a project basis, we design our doors in Alphacam and send samples to the customer. Once they're approved, the production run is nested and the nested sheets go to the factory floor, while the stores bring the board to the routers ready for machining,' says Paul.

Alphacam creates the NC code and reports, along with labels which are then applied to the back of the doors,' says Paul.

Another Alphacam benefit is that it allows the parts to be fully rotated on the nest... or if specific grain direction is required, it locks the axis, so the boards all face the same way.

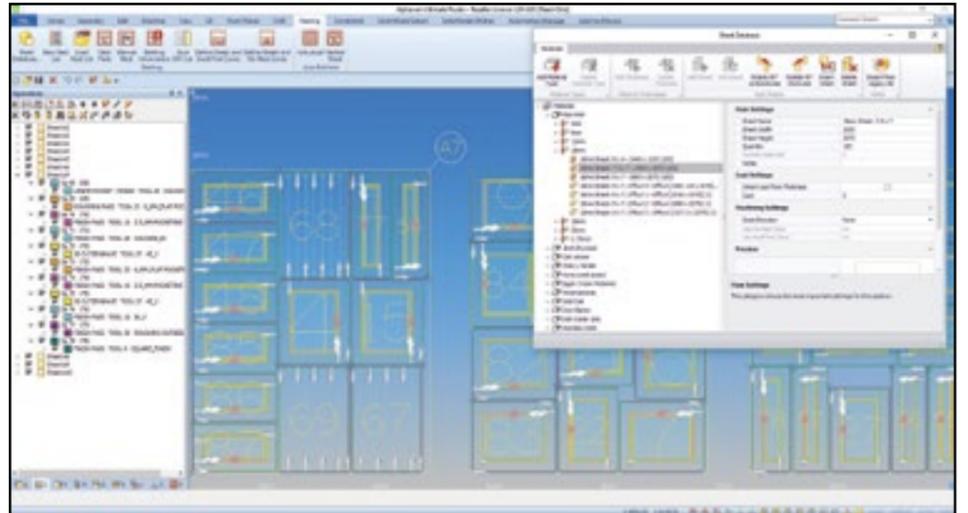
In conclusion, Paul says that whilst automation already plays a key role in their

manufacturing process, the company is continually seeking to drive further efficiencies with fewer clicks and less manual input.

'Around 90 per cent of our products go through Alphacam and most orders have a three-day lead time, which includes a full day from order entry, through the nesting operation, to the shop floor for machining,' says Paul.

'We're currently looking at ways of how Alphacam can help us reduce that to just three hours,' concludes Paul.

For further information tel Alphacam on 01189 226677. Visit www.alphacam.com



In addition, two Alphacam modules – AUTOMATION MANAGER and CDM (Cabinet Door Manufacture) - work in conjunction to automate bulk programming.

Once the team has imported an Excel file of all the doors of mixed sizes for a production run, the software produces NC code for any machine on the shop floor.

'Irrespective of how many doors they're working on, AUTOMATION MANAGER takes the list and creates the code for all the door sizes,' says Alphacam area manager, David Mcintyre.

It means that O & S Doors don't have to carry out individual part programming. So whether they're working on 50, 150, or 500 doors, the whole batch is fully programmed in the same time it would take to program just one door.

'Nowadays, a conventional OEM CAM system processes each file individually, but it won't write 50 or 500 programs in just a couple of minutes,' says David.

'The use of Alphacam's AUTOMATION MANAGER means that 2D and 3D CAD files, along with solid models from third party software, can be batch processed, from file preparation right through to applying tool-paths, with the NC code automatically generated,' says David.

Alphacam has also worked with O & S Doors on several bespoke operations to improve efficiency further, including the ability to show accurate timings for producing every sheet.

'We found that we had a number of jobs waiting to be processed on the factory floor, but no way of knowing how long they'd take... a full sheet could take between ten minutes and an hour,' says Paul McCullagh.

An Alphacam engineer spent two days working with them to set up a time management project for the routers, by making bespoke amendments to the software and post processor and liaising with a company that produced a web interface to monitor production on the factory floor.

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VACUUM CLAMPING ON MACHINING EQUIPMENT

AFTER taking a look at basic aspects of vacuum technology in the previous issue, here we will tackle the different types of vacuum generation.

In the process, we would like to primarily limit the discussion to the subject of vacuum clamping on machining equipment, an area that has become much more significant in light of advancements in automation in the furniture industry and other sectors within the woodworking industry.

The subject of economic efficiency also runs parallel to this development and has increasingly become the focus of production managers and those responsible for technology.

In principle, there are several possibilities for generating vacuum. For vacuum clamping, various mechanical vacuum pumps can be used, which we discuss herein.

Oil-lubricated rotary vane vacuum pumps

Oil-lubricated rotary vane vacuum pumps are the true classic pumps used for clamping on machining equipment. They were used almost exclusively decades ago. They stand for reliability, robustness and a low ultimate pressure of under one mbar – which corresponds to a vacuum level of 99.9 per cent.

At this high vacuum level, they guarantee sufficient pumping speed reserve capacity and thus are known for fast and secure clamping.

The constant oil feed in the compression chamber facilitates the high vacuum level. The oil is fed through the vacuum pump through an internal circulation system where it seals, lubricates and removes compression heat. The oil and the oil filter should be exchanged every 2,000 operating hours.

In machining equipment with pumping speeds of over 160m³/hr, these vacuum pumps have since been replaced by dry vacuum technologies.

For smaller machining equipment and clamping devices that can manage with lower pumping speeds, oil-lubricated rotary vane vacuum pumps still work economically and with high reliability.

Liquid ring vacuum pumps

Liquid ring vacuum pumps that generate vacuum using water as an operating fluid work according to an old principle.

However, they were never really able to catch on for use in vacuum clamping, because water as an operating fluid is associated with a certain maintenance effort that ranges from topping up the water daily to regularly cleaning the water circuit.

Clamping with vacuum Evaluation of vacuum technologies and their recommended applications	Reliability	Energy consumption	Maintenance effort	Wearing costs (vanes)	Total operating costs	Recommended use
Oil-Lubricated Rotary Vane Vacuum Pumps	●	●	◐	◐	●	Vacuum clamping, handling, veneer presses
Liquid Ring Vacuum Pumps	◐	○	◐	◐	◐	Wood drying and impregnation
Dry-Running Rotary Vane Vacuum Pumps	◐	○	◐	○	○	Smaller clamping and handling devices
Dry Mink Claw Vacuum Pumps	●	●	●	●	●	Vacuum clamping on CNC-routers and other machines

● Recommended ◐ Possible ○ Not Recommended

Overview of the various vacuum technologies and their recommendations for use.

The vacuum level of these vacuum pumps depends on the water temperature. As the water temperature increases, the achievable ultimate pressure is reduced and, along with it, the pumping speed.

The highest pumping speed is achieved at temperatures up to 15 deg C. At a water temperature of 40 deg C, the pumping speed falls to 40 per cent of the original value.

The major advantage of liquid ring vacuum technology is the high level of compatibility with water vapour and moisture – a benefit that cannot be taken advantage of when clamping on machining equipment, but virtually predestines these vacuum pumps for drying and impregnating wood.

Dry-running rotary vane vacuum pumps

Rotary vane vacuum pumps that work without operating fluids – meaning neither oil, nor water is necessary for compressing the extracted air – are referred to as “dry-running”.

These vacuum pumps are very often used for vacuum clamping because the investment costs are relatively low.

The working principle is the same as for oil-lubricated rotary vane vacuum pumps. However, due to the lack of oil lubrication, so-called “self-lubricating” vanes, or blades made of carbon graphite material are used.

They have the drawback of being affected by wear and need to be replaced regularly to avoid vane breakage and thus total failure. Wear on the vanes also affects the performance of these vacuum pumps.

After an operating time of just 2,000 hours, the pumping speed of a dry-running rotary vane vacuum pump can only achieve 85 to 90 per cent of the original pumping speed.

One of the factors that affects the vanes' service life is the material to be processed. Abrasive MDF dust speeds up wear to the vanes.

In three-shift operation, the vanes need to be checked at least once every six months and exchanged if necessary.

Operators should not only consider the costs for procuring these special vanes – which should not be underestimated – but they should also take a critical look at the energy consumption of this vacuum pump type. Compared with all other vacuum technologies, the energy costs are the highest for these vacuum pumps.

Due to the maintenance and energy costs associated with dry-running rotary vane vacuum pumps, they can really only be recommended up to a pumping speed of about 100m³/hr.

The smaller the size, the slower the vanes wear, because the diameter of the compression chamber is smaller.

This reduces the circumferential speed of the vanes and the distance that the individual vanes have to cross, whilst gliding in and out of the rotor slots.

Mink claw vacuum pumps

In the mid-1990s, Busch vacuum pumps and systems developed a completely new principle for vacuum generation: mink claw vacuum technology. This technology, which has been constantly refined, has since gained a foot-hold in the woodworking industry.

Today, the third generation of these vacuum pumps is already used by several leading manufacturers of CNC routers.

Mink claw vacuum pumps also work without operating fluids, such as oil or water. Two claw-shaped rotors move in a housing. They do not come in contact with each other, or the housing. This means that there is no friction and thus no wear, making nearly maintenance-free vacuum generation possible.

Maintenance efforts are limited to a bi-annual gear oil change. Contact-free compression of the extracted air also has the advantage of consuming drastically less power than other vacuum pumps and Mink claw vacuum pumps constitute the most energy-efficient type of vacuum generation for vacuum clamping.

For technical reasons, the mink claw vacuum pump is the only vacuum generator discussed here that can be controlled completely based on demand. This means that a specific set point (ultimate pressure) can be specified for the vacuum pump.

When this point is reached, the speed automatically reduces, or the vacuum pump shuts itself off. This facilitates further energy savings. For this reason, Busch offers all sizes – from 40m³ to 900m³ pumping speed per hour – as well as energy-saving and frequency-controlled motor options.

Summary

There are various possibilities that can be used to generate vacuum for clamping. In principle, situations need to be assessed on an individual basis to find the ideal vacuum pump solution.

The accompanying diagram can help when making a preliminary decision. However, in general, Busch recommends consulting a specialist when making the selection and choosing the dimensions.

Busch vacuum pumps and systems offer a VacuumAudit in which a vacuum expert takes stock on site and then makes suggestions for improvements with regard to technology, efficiency and reliability.

For further information tel Busch on 01952 677432. Visit www.busch.com

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HEXAGON ANNOUNCES THE LAUNCH OF PRODUCTION SOFTWARE BUSINESS

VERO Software, FASys and SPRING Technologies has united under the Hexagon brand to strengthen product offerings.

Hexagon's Manufacturing Intelligence division has announced the formation of its production software business, comprising Vero Software, FASys and SPRING Technologies.

The move, which sees the three acquisitions adopting Hexagon's corporate identity, reflects Hexagon's broadening expertise in the production technology space.

Hexagon acquired Vero Software, a specialist in CAD CAM software, in

executive officer of the production software business, Steve Sivitter.

'We're increasingly focused on developing product synergies that will help customers improve quality and productivity.

'Our technology experts from Vero, FASys and Spring have been working very closely together for some time, so operating together as a single entity is a natural step for us,' he adds.

'We're all excited at the prospect of what's possible now creating innovative manufacturing intelligence solutions in the production software space,' concludes Mr Sivitter.

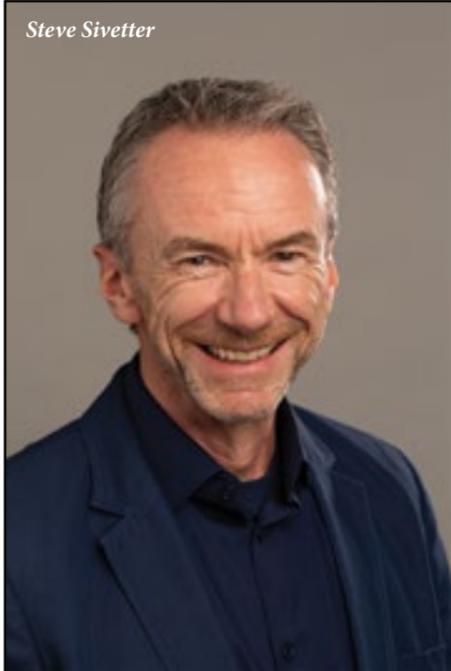
'The formation of the production software business

complements our design and engineering and metrology businesses, enabling us to build unique solutions for our customers in manufacturing,' says president of Hexagon's manufacturing intelligence division, Norbert Hanke.

'As we develop this approach further, our experience of leveraging data from all phases of the manufacturing process will help create the Autonomous Connected Ecosystems (ACE) that will enable Smart Factories,' adds Mr Hanke.

For further information tel Hexagon on 01189 756084. Visit www.hexagonMI.com

Steve Sivitter



2014 and has continued to expand and diversify its offering.

The 2017 acquisition of FASys brought tooling and resource management software and shop-floor automation and integration expertise into the portfolio.

Spring Technologies, acquired in 2018, provides CNC simulation technology for G-code verification and workflow optimisation.

Combining components of this rich portfolio of technology, Hexagon has already utilised this expertise to develop solutions for reverse engineering and on-machine measurement.

'Over the past five years our available technology and solutions have evolved considerably from the CAD/CAM heritage of Vero,' explains the chief



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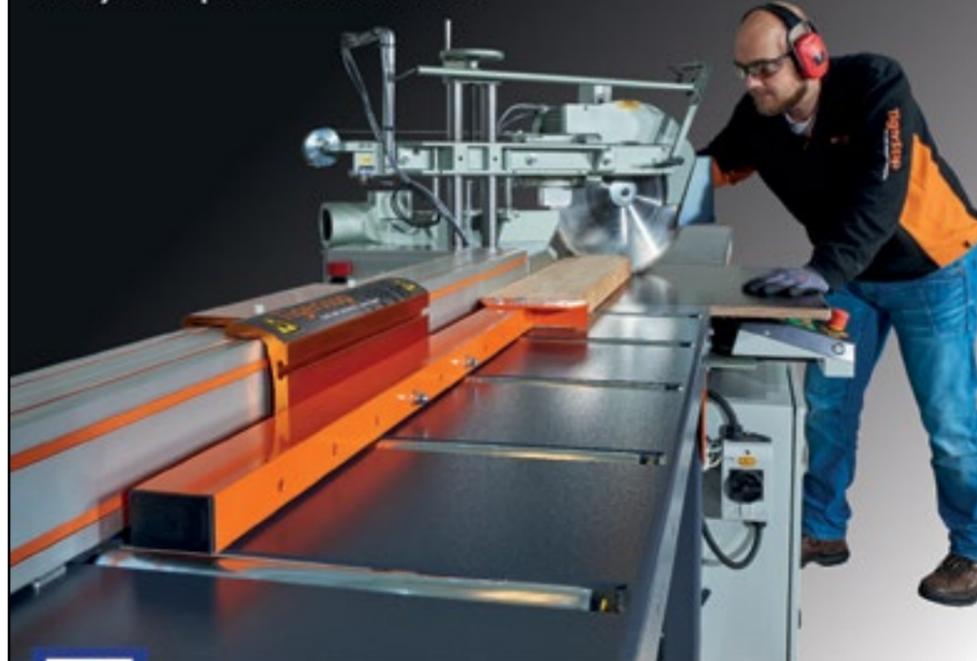
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INTRODUCING FESTOOL'S NEW CORDLESS OSCILLATOR

FESTOOL is expanding its range of cordless tools by adding the new Vecturo OSC 18 cordless oscillator for fitting and assembly work. It includes the innovative StarlockMax tool holder, enabling the user to quickly and conveniently change the tool blade, without the need for additional equipment.

Intelligent system accessories allow for dust-free work, precise cut-outs on the scribe mark and precisely guided plunge cuts. In addition, the powerful, brushless EC-TEC motor and the large oscillation angle of 2°/2° achieves optimum working progress. Thanks to the clever design and the vibration isolation, the Vecturo OSC 18 makes ergonomic work possible.

It is equipped with the innovative StarlockMax tool holder system, which enables the user to change the required saw blade easily and in just a few seconds. The patented Starlock tool-holder system covers three performance classes: Starlock, StarlockPlus and StarlockMax.

As the new Vecturo cordless oscillator comes with the StarlockMax tool holder, it falls under the performance class designed for heavy-duty applications. Particularly practical for everyday use, StarlockMax can accommodate accessories from all of the Starlock performance classes, making it extremely flexible to use.

The versatile system accessories for the new cordless oscillator mean that this newcomer is the perfect all-rounder. It enables the user to work in a way that is healthy, comfortable and, at the same time, precise.

With the new dust extraction device, users can also start sawing without generating dust – this improves safety and provides a clear view of the work area. The new positioning aid for precisely guided plunge cuts allows for accurate positioning on the marking and simple orientation on the guide rail.

The positioning aid is also equipped with a depth stop, for precisely setting the plunge depth. These system accessories can be fitted onto the adapter easily and without the need for additional equipment – depending on requirements.

The new Vecturo is especially suitable for heavy-duty applications. Thanks to the anti-vibration system, the housing and motor are completely decoupled. This reduction in vibrations and running noises leads to optimum comfort while working.

The powerful, brushless EC-TEC motor with variable speed control allows for a large oscillation angle of 2° to the left and 2° to the right and, therefore, achieves optimum working progress.

In combination with the powerful and durable 18 V Li-ion compact battery pack, the cordless oscillator achieves maximum freedom of movement without any cables – even for heavy-duty applications.

The new Vecturo OSC 18 cordless oscillator will be available at specialist retailers from April 2019. Festool also offers full investment security for their

new Vecturo OSC 18 thanks to Festool Service. The free-of-charge service package guarantees direct, practical and comprehensive service for the tool throughout its entire service life.

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

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

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

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

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

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

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

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

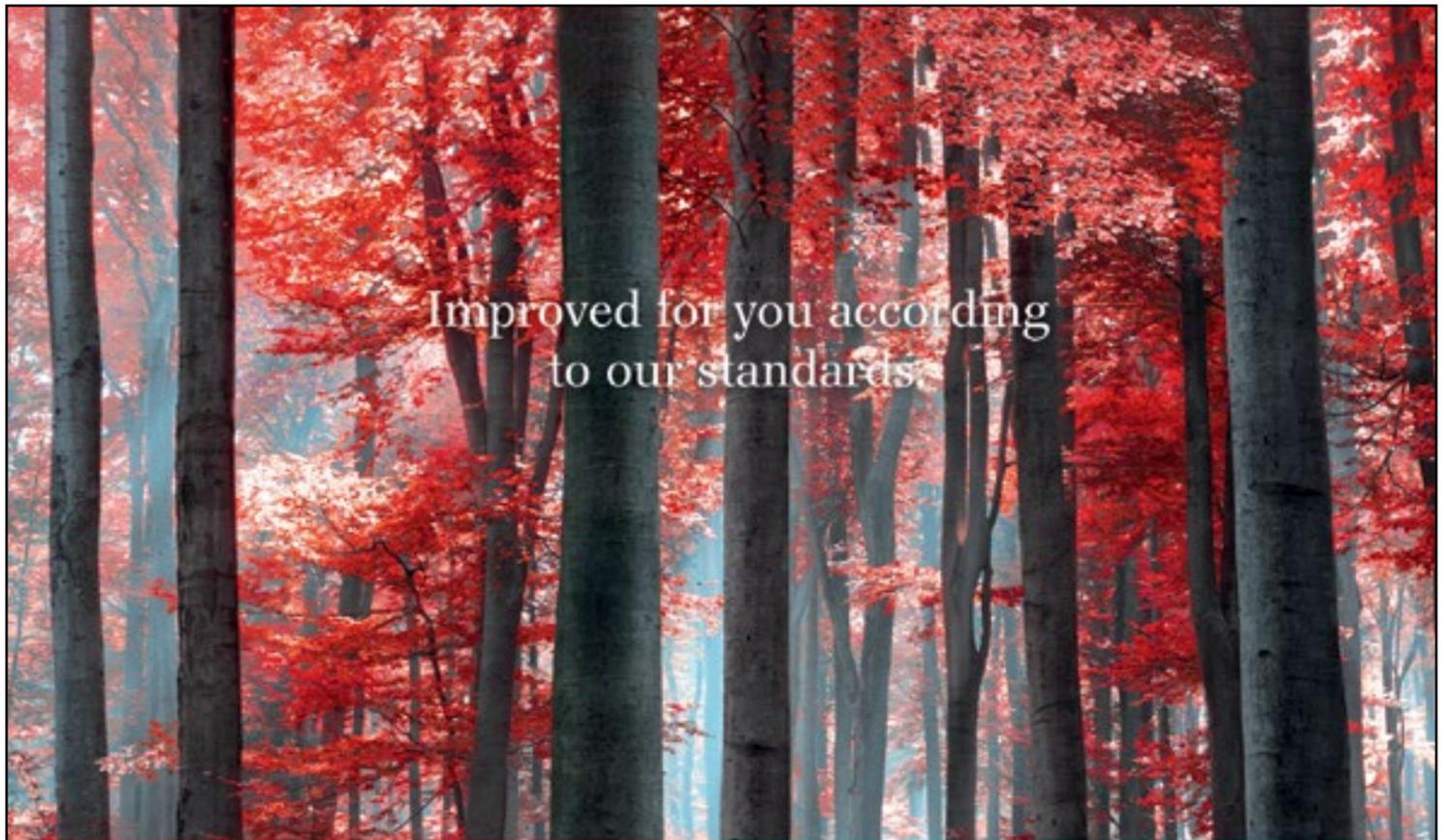
The WA8 T adds a touch of class to any workshop. With its easy to operate manual tilt and height adjustment of the saw blade, even complex jobs can be cut quickly and efficiently.

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

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

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

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



Improved for you according to our standards.

A classic that has set standards for us. And now for you too. Like every MARTIN, the T70 is built for robust performance inside and out. Explore T70 now.

MARTIN



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SPECIALIST SOUTH EAST COMPANY RELIES ON

ALDWORTH JAMES & BOND is a specialist, award winning and highly experienced creative contractor and fabricator based in Deptford in South East London with a £6 million pound turnover.

The company's main focus is delivering projects safely, to programme and within budget for its wide ranging client base.

Production is at the heart of everything that the company does. At Aldworth James & Bond the aim is to provide architects and designers with the means to progress their ideas from initial concept to the technical build stage by creating the crucial link between design and manufacture.

For its principal contractors, the company's professional working methods and compliance ensures a smooth

production phase and project delivery.

Since Aldworth, James & Bond was founded in 2008, the team has grown to encompass more than 50 skilled and highly valued joiners and carpenters, finishers, designers and project managers.

The health, safety and well-being of everyone who works with and for Aldworth, James & Bond is considered to be hugely important and the company has worked hard to achieve a safe, creative and enjoyable environment in which to work and nowhere more so than in the company's workshops, where recently a SCM S1300 sliding table saw has been replaced by a Martin T70 from the renowned German manufacturer, which is used primarily for cutting sheet material and solid timber processing.

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

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

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

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

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

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

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

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

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

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

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

Each display can be changed over to display relative

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



'We cut a huge amount of sheet material of different types and thicknesses. We wanted to improve the speed and accuracy of how we do this. The CNC rip fence, digital displays and cutting programs help our work tremendously,' says Aldworth, James & Bond director, Del Bond

'In cutting a great deal of different materials we will change the blade several times a day. In this respect, the three axis scoring blade is very useful in setting itself automatically to synchronise with the main blade,' he adds.

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

On the digital cross-cut fence is the right option, as the inner and outer stops work with separate measuring devices and can therefore be set independently with the accuracy of a tenth of a millimetre.



LONDON FABRICATING MARTIN MACHINERY

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

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

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

The operator simply specifies the requisite length and width dimensions and the

controller positions the saw blade and fences. The length compensation required for angle cuts is completely automated.

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

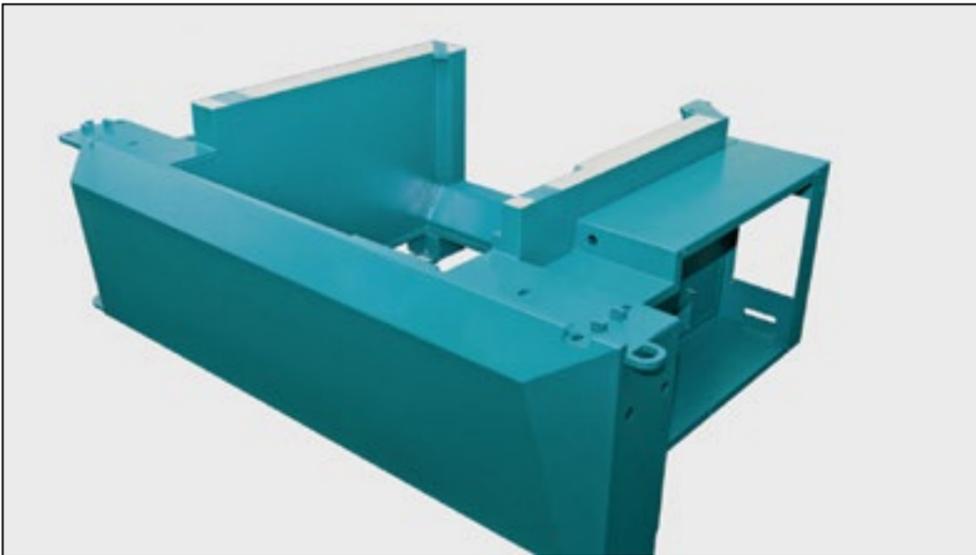
The length compensation is provided dynamically for cutting lengths up to 3,300mm, whilst the operator adjusts the table.

In this way the German manufactured Martin T70 becomes a real angle-cutting centre. It is therefore no wonder that it has become the sliding table saw of choice for so many British woodworking companies.

For further information tel Martin on 00 49 833 29110. Visit www.martin.info
For further information on Aldworth, James & Bond tel 0208 269 0883.
Visit www.aldworthjamesandbond.co.uk



The team at AJ & B has grown to encompass more than 50 skilled and highly valued joiners and carpenters, finishers, designers and project managers.



Rigid frame construction is one of the features for German manufactured machinery from Martin is particularly renowned.



Martin Aldworth & Bond directors, Tim Hill, Del Bond and Nik James pictured with some of the team holding up awards that the company has won for the excellence of its work, including winning the mayor of Lewisham Business Award.



The touchscreen control panel on the Martin T70 is both intuitive and easy to operate.

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WEINIG'S TOP 10

WEINIG'S UNIVERSAL LONGITUDINAL CIRCULAR SAW

THE genuine Jrion from Weinig's offers universal applications in small, medium-sized and large operations.

When it comes to cutting planks, boards and panels, the FlexiRip has established a reputation as an efficient and flexible longitudinal circular saw.

Customers particularly appreciate the high levels of flexibility, the optimal wood recovery and the one-man operation.

FlexiRip provides the solution when it comes to universal application! In addition to solid wood, a range of other materials can also be cut, including plastic, aluminium and a variety of panel types.

The FlexiRip's cut length and usable width is harmonised with its workpiece dimensions. Operation is simple: lay and align the workpiece on the machine table and initiate cutting via the pedal!

When the pedal is released, the saw blade dips and returns to the start position. The feed speed can be continuously and finely adjusted from 0 – 80m/min.

The Weinig FlexiRip series provides efficient and powerful ripping and optimum material yield, combined with innovative mechanical engineering. These machines can be integrated in pre-cutting systems and feature a comprehensive safety concept.

The Weinig FlexiRip JrionLine is very user-friendly and is extremely flexible for a variety of different applications.

High cutting precision is coupled with higher

production output, even with extremely hard materials.

A quick saw blade changing facility, high levels of operational safety and an anti-blocking systems all combine to make for comfortable one-man operation.

The guide system of the saw carriage is significantly optimised for even better cutting quality,

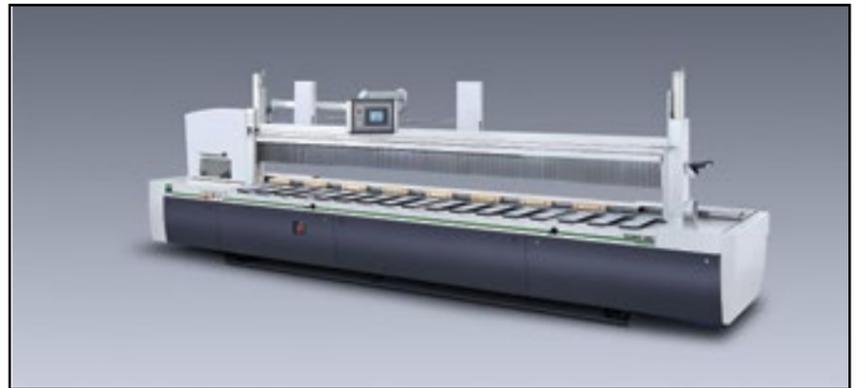
The saw carriage is guided via lateral rollers on wear-free, hardened and precision-ground tracks.

When cutting pressure becomes excessive, the anti-blocking system is automatically activated. This concept ensures play-free action and high cutting precision in the 1/10-mm range. At the same time, optimal safety is also guaranteed.

The positioning fence is adjusted via play-free and low-wear ball screws. This ensures smooth and even running and optimal dimensional accuracy, even with difficult workpieces. Ergonomically placed joysticks and a user-friendly large digital display help prevent operator fatigue.

The front machine table elements comprise special, low-friction, abrasion-proof plastic, allowing easy movement and alignment of heavy workpieces.

The plastic supports are also prismatic on the side. These enable easy insertion of various options (e.g. ball bearing plates, bevel supports, mitre fence etc.) at any position on the machine table.



Recent improvements to the Weinig FlexiRip 3200 include automatic cutting height recognition and load-dependant feed control.



The front machine table elements comprise special, low-friction, abrasion-proof plastic, allowing easy movement and alignment of heavy workpieces.

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

MATERIAL POSITIONING HAS NEVER BEEN EASIER THAN WITH WEINIG'S EASYSTOP

YOU'VE never cut, drilled or milled that easy! No matter which recurring process it is - with the EasyStop this process is perfectly automated.

Start with automation and benefit from the comprehensive functionality of the automatic positioning system from the first minute - which offers you more than just driving to the next position.

The automatic positioning system EasyStop handles the positioning of workpieces on almost every machine.

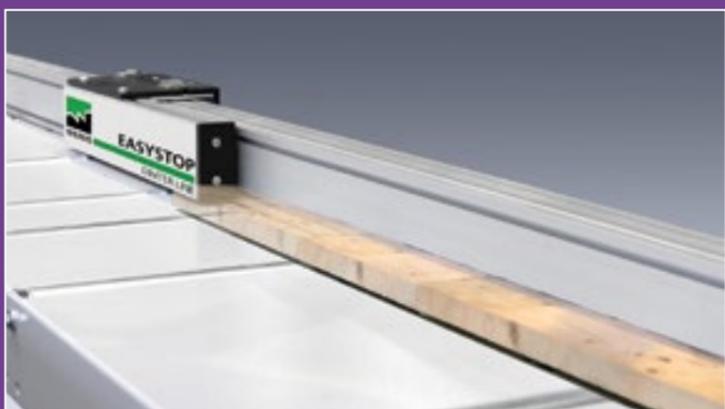
The EasyStop helps you to perform

the usual work faster and is more comfortable and more precise.

Your personal benefit? You can easily find this yourself. How many length stops do you have with your orders and how often do you have to fold them back and forth? Not once with the automatic positioning system EasyStop!

Adjusting the stops to a new dimension, performing sample processing and controlling dimensional accuracy are things of the past. All that time will be available to you in the future for your main activities.

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



The automatic positioning system EasyStop handles the positioning of workpieces on almost every machine.

WEINIG POWERMAT PERFECTION

THE moulder is the centrepiece of any production facility. This is where the most value is added when creating a profiled moulding from square timber.

Weinig's Powermat series represents the optimal machines for profitable production for any application and any company size - from the small workshop to industrial series production.

From the Powermat 700 (pictured here) to the Powermat 2500, these machines cover the widest range of applications, whether in profiling of mouldings, window production, beam planing, flooring production or pre-planing.

With its modular design, the Powermat series can be adapted to your individual requirements in terms of quality, flexibility and performance and can also be customised for customer-specific special solutions.

Thanks to the intelligent machine controls, automatic positioning of the spindles and the patented PowerLock system, set-up of the machine is quicker, easier and safer than ever before.

A range of options can also be added to exploit the full performance potential of your Powermat. Hence, the Powermat is suited to all requirements - whether machining solid wood, engineered wood, plastics, or even composites.

The Powermat series embodies 100 per cent Weinig quality, which is imbued with decades of experience.



The Powermat 700 is designed with a revolutionary new operating concept.

There can be no better guarantee of profitable production in line with current market requirements.

The Powermat 700 epitomises the new generation of planer/moulders. It is highly user-friendly and offers enormous savings in set-up time.

High levels of repetition precision are combined with outstanding surface quality and high resource efficiency.

With the introduction of the Powermat Series 15 years ago, Weinig began a new era for planing and profiling.

Now, with the Powermat 700 the next generation has arrived; offering undreamt-of possibilities. It is designed with a revolutionary new operating concept which no other moulder can offer.

With the outstanding qualities detailed above the new Powermat is the perfect response to the market demands of today and sets a new standard for four-sided processing.

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

WEINIG'S TOP 10

WEINIG EASYSCAN THE MOST PROFITABLE SOLUTION FOR WOOD OPTIMISATION

FULLY-automatic, high-performance lines are being used increasingly in modern wood processing, even in rough mill applications.

An upstream scanner is an integral component of the overall system. The scanner records the relevant timber data on all sides in the blink of an eye (knots etc.) and supplies this to the machines downstream, such as rip and cross-cut saws, at full production speed.

Without automatic recognition systems like this, the cutting performance of the overall systems would be unimaginable. This places the highest demands on the control technology.

The Weinig development departments provide solutions for highly automated production lines, guaranteeing reliable production processes - for hardwood and softwood applications.

The CombiScan Evo series sets new benchmarks in the further development of scanner technology. The innovative, completely revised product portfolio offers higher performance and significant optimisation of the traditional scanner strengths.

The CombiScan Evo series provides solutions across all process stages: from ripping and cross-cutting applications to a range of variants for use as a sorting scanner.

The EasyScan series offers efficient performance features at attractive prices and is specially designed for the requirements of smaller companies with simple cross-cutting applications.

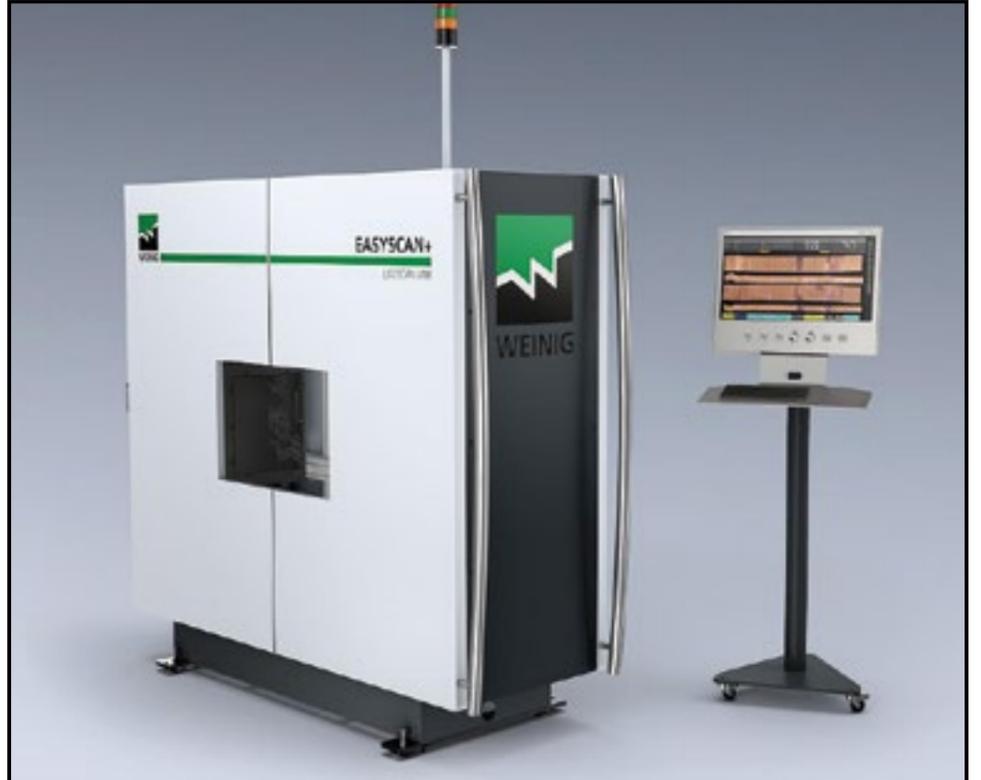
Of all the process stages in solid wood processing, cutting offers the greater potential for optimisation. No wonder that many companies start here to improve the performance of their production lines. The use of scanner technology also provides a key function.

Defect detection via camera and laser is an ultra-efficient instrument in the race for maximum productivity, optimal quality and the shortest delivery times. Speed and accuracy are among the scanner's main attributes.

The results are improved value creation, consistently high product quality and increased profits.

Consequently, in large, modern companies, the scanner has long been an integral component of the cutting system and has replaced manual workpiece inspection.

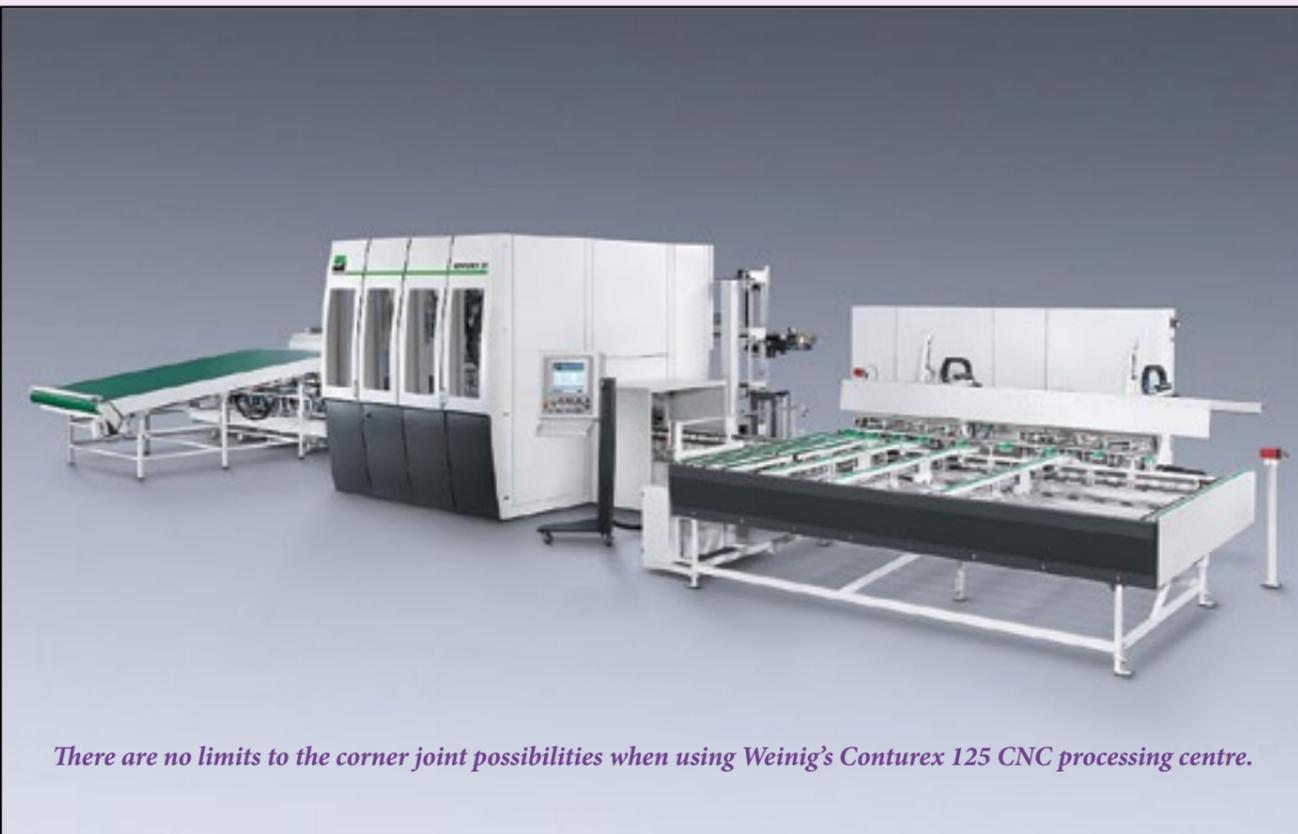
Smaller companies, on the other hand, often struggle with making the leap into the digital age of production. They have particular reservations in terms of cost-effectiveness. Now the new Weinig EasyScan has arrived to allay all remaining concerns.



In large modern companies, the scanner has long been an integral component of the cutting system and has replaced manual workpiece inspection. Now smaller concerns can benefit from using Weinig's cost-effective EasyScan

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

WEINIG TRIED AND TESTED CONTUREX SERIES OFFERS BEST-IN-CLASS PERFORMANCE



There are no limits to the corner joint possibilities when using Weinig's Conturex 125 CNC processing centre.

THE Conturex series opens up a whole new Weinig world in the windows and doors sector, facades and conservatories, as well as in the furniture sector.

All the tried and trusted Conturex benefits are now available for individual application in different performance categories: from the entry model Conturex Compact to the high-performance professional Conturex 226.

Every Conturex takes over the tasks of up to five machines in one single cycle and offers maximum precision, full automation and high flexibility.

Processing of all known corner joints, longitudinal contour processing, drilling, shaping and insert shaping – it's a clear case for purchasing the Conturex!

Production types, such as individual parts, series, or frame-type window production can be seen in a completely new light.

Precise positioning with the clamping table, high flexibility with a tool storing rack and a perfectly adjusted selection of units are just some of the advantages of using the Conturex.

With the right software package and Weinig as your partner for solid wood processing, the German manufacturing giant does not simply offer you machines, but perfectly customised, future-oriented solutions.

The Weinig Conturex series features:

- . Complete processing in a single clamping process.
- . Processing without the normal processing times even for small batches,
- . Automation enables less manpower in production,
- . Maximum flexibility as a result of the large tool magazine.
- . Energy feed-back modules result in savings in energy.

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FOR MORE OF WEINIG'S TOP 10 PLEASE TURN TO PAGES 16-17

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BUY A WEINIG CUBE FOR

WEINIG has always had a tradition of progress. With the Cube Plus, Weinig goes even further.

Four-sided planing has never been so easy and a large number of companies throughout Europe have already invested in Weinig's latest planer/moulder which, for day-to-day work, provides a machine that is both robust and simple to operate.

The Cube Plus delivers precisely this, operating in accordance with the plug and play principle. Set up, switch on and it's ready to go! Thanks to the intuitive, safe

operating system, you can start producing from the very first minute - and no complicated training is required.

The machine set-up is fully automated, so that you only need to enter the desired dimensions. Therefore, the machine is equipped with a 10in touchscreen.

Sophisticated Weinig technology ensures efficient performance with small dimensions and optimal process reliability. Thanks to the new design of the EasyLock tools, the noise emission is also significantly reduced.

In this way, the Cube Plus offers maximum ease of use with a minimum amount of work and represents the perfect machine for four-sided planing.

The Cube Plus is the easiest planer of them all to operate. It is controlled via a 10in touchscreen, which is easily readable and intuitive to operate, featuring big buttons at the machine infeed.

All you need to do is simply enter the desired finished dimensions of the workpiece and the chip removal, the straightening of the bottom side and of the right side. The spindles, infeed table and guiding fences are positioned automatically.

The Weinig EasyLock system

simplifies knife changes. Only the knife itself is changed, while the cutterhead always remains on the shaft, meaning that no adjustments are necessary. This minimises downtime and prevents set-up errors. You will never have been able to change knives so easily!

The Cube Plus allows you to plane an enormous range of dimensions - from small strips to large beams.

You can also use the Cube Plus for even smaller dimensions, with working heights from 5mm and working widths from 15mm. In this case, planing is performed in two steps to avoid "snipes" and "dips". Firstly, the workpiece is pre-planed with an allowance of 1.5mm before being



With Weinig's Cube Plus four-sided planing has never been easier.



Fast, precise and efficient, S4S planing has never been so easy! Simply clever. Simply Cube Plus.

WEINIG CUBE - THE OBVIOUS CHOICE FOR AUSTRIAN CARPENTRY COMPANY

AUSTRIAN carpentry company, Holztrattner has acquired a compact, rapid and practical planer in the Weinig Cube.

Approaching the company by road, one is immediately struck by a large sign, which can be read from some distance away. It reads:

"Holztrattner. Your master carpenter with ideas."

And Herbert Holztrattner certainly has some selection of ideas: for living rooms, bedrooms, kitchens and bathrooms - his company covers the full spectrum of interior fittings.

'We can even fit out entire houses,' says Herbert Holztrattner, who founded his company as a one-man operation in 1990.

The 46-year-old, who completed his apprenticeship in cabinet-making, started out primarily by undertaking restoration work.

The business has since steadily grown to a 12-strong workforce, including the proprietor's son, Jürgen - also a trained carpenter - who has worked in the business for some years now.

Restoration work now constitutes only a small part of the workload. In addition to the core business of interior fittings, Holztrattner has also been designing and producing its own garden furniture for a number of years. The garden swings



Efficient, simple to operate and safe to handle: Austrian carpentry company, Holztrattner has acquired a compact, rapid and practical planer in the Weinig Cube.

especially have proven to be a real export hit. Holztrattner's first design was actually "only" a birthday present for his wife.

However, the resourceful master carpenter has since developed the garden seating with characteristic C-shaped side rails and arm rests, improving the design and even received a design award in 2003.

There is also a planer in the workshop. For 17 years, the Quattromat 18 four-sided planer from Weinig has provided an excellent level of service. However, last year, the decision was taken to acquire a replacement. Once again, the obvious choice

was for a Weinig machine and that led to the purchase of the Weinig Cube.

In addition to the machine's qualities in terms of precision, the user-friendliness of the machine was particularly impressive:

'You don't have to adjust anything. The whole machine can be practically operated via a touchscreen. Even our apprentice in his first year can already use it,' says Herbert Holztrattner.

Now, everybody in the business - including the boss - occasionally uses the Cube, which does S4S in a single pass, whilst also making work easier with a range of additional practical features.

The Weinig EasyLock system allows quick blade changes with little intervention inside the machine. Dimensions can be changed while the machine is operating at the push of a button while the so-called "MoulderPreView" projects the spindle settings on to the workpiece

by laser, allowing further optimisation before machining.

Herbert Holztrattner has also customised his new Cube visually: the machine exterior proudly bears a prominent company logo and motto.

In that way, the "master carpenter with ideas" is ever-present in the factory, as well as further afield.

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

EASY FOUR-SIDED PLANING

planed with the finished dimensions.

The spiral cutterheads are equipped with carbide tips, which can be used four times and offer a very high wear resistance. They are perfectly suited for pre-planing, or the processing of hardwoods.

The mobile spindle makes your work easier, especially if you are working with different widths of raw material. This multi-tasking

unit automatically measures the dimensions and adjusts itself to the relevant workpiece width.

The automatic stacker adds another dimension to the Cube Plus: outfeed automation. It enables one-man operation, as the finished workpieces are stacked on top of each other at the machine outfeed.

In short, the Weinig Cube Plus is simple to operate. It offers a

reduction in noise emission. Quick dimension changes are possible whilst the machine is running, as is workpiece assessment before machining. It produces perfectly right-angled workpieces and the machine only requires a minimal amount of floor space.

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



Thanks to the new tool design on the Weinig Cube Plus, the Easylock tools not only offer a very high surface quality, but also a distinct reduction of the noise emission.



The mobile spindle makes your work easier, especially when working with different widths of raw material. This multi-tasking unit automatically measures the dimension and adjusts itself to the relevant workpiece width.



The automatic stacker adds another dimension to the Cube Plus: it allows one-man operation, as the finished workpieces are stacked on top of each other at the machine outfeed.

Right, the spiral cutterheads are equipped with wear-resistant carbide tips and are perfectly suited for pre-planing, or for processing hardwood.



TRY OUT THE NEW WEINIG CUBE AND YOU'LL NEVER HAND IT BACK!



A traditional "beer mat calculation" (a typical German method of making a quick and simple financial calculation) made Werner Eichelbrönnner curious. And after a test, he did not want to hand the Cube back.

A TRADITIONAL "beer mat calculation" (a typical German method of making a quick and simple financial calculation) made Werner Eichelbrönnner curious.

And after a test, he did not want to hand the Cube back!

Werner Eichelbrönnner set up his business in 1999. Despite some difficult times at the outset, the master joiner remained true to his love of high-quality products in solid wood.

Today, individuality is highly sought-after, particularly in the joinery company's core business of interior fittings.

With three master craftsmen in the company, Werner Eichelbrönnner places great value on the internal know-how of his team from cutting to assembly.

'Our customers know that we think pro-actively during projects. That is the way it should stay,' underlines the company boss.

As Werner Eichelbrönnner would certainly agree, the new Cube is hotly sought-after and the four-sided planer offers many reasons which justify an investment in one of these Weinig machines.

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WEINIG'S TOP 10

HIGH-PERFORMANCE MULTI-BLADE RIP SAW FOR ALL REQUIREMENTS

WIDTH cutting plays a decisive role in solid wood processing, as rip optimising means cost minimisation.

Whether producing slats, or finished material, as a cutting unit for glued panels, or for wood optimization, ProfiRip represents the ideal solution for increased productivity with outstanding wood recovery.

Excellent user-friendliness, the shortest set-up times, optimal profitability. It can equally well be used as an optimising rip saw, or a pure multi-blade rip saw.

The system's versatility makes it ideal for all operations – from interior fittings to the furniture industry and from solid wood panel production to the sawmill.

Greater flexibility and intelligent system solutions are the core themes for our developers today.

Weinig delivers the right concepts and outstanding system components allow continuous operation to the highest standard.

In addition to the standard models, Weinig can also produce customised solutions in all performance classes. It is that easy to make your ProfiRip into a high-performance system!

Three models comprise the ProfiRip range – the KR 310, the ProfiRip 450 and the ProfiRip 610.

The first of these is a double arbor multi-blade rip saw especially designed for optimal wood recovery. It boasts a thin kerf, a large performance range and reliable material throughfeed. It also provides robust, long-lasting construction.

The ProfiRip 450 is an optimisation and multi-blade rip saw with up to four adjustable saw blades for optimal wood recovery. Short set-up times are coupled with optimal cutting quality and the machine is highly variable for a range of different applications.

The ProfiRip KR 610 features up to six adjustable saw blades for optimal wood recovery.

All three models provide high performance potential. They offer maximum stability and productivity – even with extreme loads. There is a glueable cut. Outstanding user-friendliness, SafetyPlus anti kick-back device, combined with the fact that this model can be optimally integrated into system solutions make the top-of-the-range ProfiRip a wise investment for the professional user.



The ProfiRip series of multi-blade rip saws offers a wise investment for the professional user.

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

WEINIG UNIMAT SERIES: 100 PER CENT QUALITY IN PLANING AND PROFILING

IN WEINIG's Unimat series you are not only acquiring the latest technology, excellent user-friendliness and high productivity, but you will also benefit from a unique price-performance ratio.

Unimat stands for quality in tough day-to-day working conditions. Whatever you are producing, the quality must always be right and profitability must be guaranteed.

The Unimat series fulfils all these requirements from the Unimat 200 entry model to the Unimat 800 powerhouse.

You can build your own individual production line around the machine: tools, measuring systems, adjustment aids, grinding machines and automation. Everything from a single source.

As one would expect from Weinig, the Unimat series is intelligently and logically adapted to your daily requirements. In short, because "Weinig offers more".

The Weinig Unimat series provides fine

product grading, a high degree of user-friendliness, high safety levels, a sustainable machine concept and an excellent price/performance ratio.

The Weinig Unimat range comprise five different models – all of which are renowned for their outstanding surface quality, rapid dimension and profile changes, high levels of reproducibility and accurate profile production.

The Unimat 200 offers high quality for a low budget; the Unimat 300 provides high quality profiling coupled with sophisticated machine technology; the Unimat 500 is an all-round machine designed for greater flexibility in profiling; the Unimat 600 is a strong machine for tough day work and the top-of-the-range Unimat 800 is a highly productive standard flexible high-end machine.



From the high-quality cast-iron frames to safe operation, the Unimat 200 series features sophisticated technology that guarantees high levels of productivity.

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

WEINIG'S RONDAMAT GRINDERS OFFER EXCEPTIONAL PRECISION RIGHT ACROSS THE RANGE



The Rondamat 985 offers you the ideal pre-requisites for perfect sharpening of planing cutterheads up to 720mm wide.

IN THE Rondamat series, Weinig provides a tailor-made tool grinding machine program to meet individual demands and circumstances - from manual machines to fully automatic models.

Across the range the common feature is the exceptional precision on offer. Rondamat grinders are all built according to the same high quality standards as the Weinig's moulders, so it is certainly not by chance that, nowadays most sharpening services work with Weinig Rondamats.

Whether hard or soft wood, chipboards, MDF or synthetic material are being processed - you can count on Rondamat.

The appropriate grinding wheel can produce and sharpen HSS, as well as Stellite, or carbide knives.

A comprehensive range of options allows it to profile and grind tools for special productions, such as shaft tools.

Across the four model range, the Rondamat series provides perfect production preparation and they are likewise perfectly co-ordinated with Weinig moulders.

Each model features high precision grinding, a high level of repetition precision and is highly user-friendly. Another feature is that these machines can be adjusted flexibly to the parameter of the tool.

The entry model is the Rondamat 960 for do-it-yourself precision grinding, whilst the Rondamat 985 offers the highest possible precision for sharpening planing cutterheads.

The Weinig Rondamat 980 is a fully automatic grinding machine especially designed for tools for planing, profiling and finger jointing.

The top-of-the-range Rondamat 1000 CNC is designed for fully automatic grinding of a profile from a straight knife blank.

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

WEINIG'S TOP 10

PERFORMANCE AND FLEXIBILITY FOR YOUR PANEL PRODUCTION WITH THE PROFIPRESS

THE ProfiPress L II from the DimterLine is a very compact and high-performance gluing press of the highest technical level, which meets the strictest safety standards.

The modern, high-frequency technology ensures the shortest pressing times and fully cured joints after removal.

Gluing with the ProfiPress L II 2500 is economical even with often changing board sizes, due to short set-up times.

The automatic operation of the complete press cycle, as well as the mechanical emptying of the press make working easier and more efficient.

The massive, heavy pressure bed forms the basis for the good alignment of the slats during the pressing process and thus produces a low height offset and a flat surface. This results in a better wood yield and less reworking.

With the ProfiPress L II, even small and medium-sized businesses can bond economically and in line with the market.

Proving the best possible gluing and panel quality, the Weinig ProfiPress II series offers you multiplication of the daily capacity compared with manual gluing processes. It provides for an extremely efficient input of high-frequency energy in the glue joint.

It is extremely user-friendly and provides for maximum flexibility. Mechanisation and automation solutions are available as options.

In order to be able to produce panels with a length in excess of 2,500mm, the "excess length" option is available on request. With this, panels with a maximum length of 5,000mm can be produced.

Another option is a semi-automatic gluing station with a precision glue head for precise, automatic glue application, which results in up to 50 per cent reduction in use and a reduction



The ProfiPress L II is a very compact and high-performance gluing press of the highest technical levels in terms of innovation.

in gluing time compared to manual gluing.

Controllable, automatic roller feeding of wood lamellae can be achieved by simply using a foot switch.

The Profipress can be fitted with a powered infeed roller conveying and synchronised outfeed conveying. On request, a top pressure device can be fitted for improved application for the glue for curved timbers.

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

WEINIG COMBISCAN EVO SERIES OFFERS MAXIMUM PERFORMANCE AND FLEXIBILITY

THE CombiScan Evo LuxscanLine series is the flagship in the Weinig scanner portfolio. High-end sensors in a range of combinations create a perfect basis and fulfil every requirement of modern production processes.

The CombiScan Evo opens up completely new optimisation potential for your production. At the same time, the technology ensures optimal production control and transparency in the production process.

Optimal detection of the characteristics of the wood is a decisive factor for expedient optimisation of the raw material.

All wood features differ in their individual characteristics and their detectability for the various scanners.

The modular sensor concept of the scanner is inspired by this situation. This allows Weinig to offer each customer a customised solution. Simple optimisation is the key to efficient production.

The CombiScan Evo can be linked with various Weinig machines, such as cross-cut saws, rip saws and sorting systems.

The high-performance optimisation software allows a variety of qualities and zones to be created and combined into multiple end products.

The products and qualities are stored in a database and can be selected at any time via drag and drop.

The logical user interface of the scanner simplifies settings in a visual way providing simple operation for all.

The modular design of the CombiScan Evo allows various sensor technologies to be combined together as modules in accordance

with customer requirements. This provides a custom-made machine with a perfect sensor combination with a very good price-performance ratio.

The standard laser camera enables detection of defects on up to four sides. Colour features are recorded and reliably recognised with an additional high-resolution, colour camera.

Not only is it possible to detect blue stain, it is also possible to sort by colour features. Lamellae for edge glued panels, for example, can be classified and sorted in colour grades before pressing.

An X-ray sensor is also used for defects with varying densities. This enables the machine to look at different surfaces and classify defects according to density. Sensors for shape measurement, moisture, unplanned areas etc. complete the picture.

The scanner also features automatic moving cameras based on a unique mechanical design. This allows for simple, automated changes to the cross section and can also be designed to process random width products at the same time.

Thanks to the available sensor technology and modular design, the CombiScan Evo always remains future-proof and adaptable to new challenges in production.

The use of the CombiScan Evo enables you to reduce labour costs whilst maintaining quality and increasing productivity and flexibility since the sorting criteria can be quickly and easily changed.



With the use of Weinig's CombiScan Evo it is possible to open up completely new optimisation potential for your production.

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



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BOERE WIDE-BELT SANDERS BORN TO PERFORM

WHEN the conversation turns to wide-belt sanders it is not long before the brand "Boere" is mentioned.

It is not surprising really, as the company has been producing wide-belt sanders for over 70 years and with over 1000 installations in the UK you are never very far away from one.

Boere is one of the few specialist producers of sanding machines left. Whilst others have been diluted into groups, Boere still remains a family company producing only sanding machines..

When you ask sales manager, Bert Van Der Laan Boere what is the success of the Dutch company his reply is simple:

'We produce very good quality machines. That's all we do, every day.

The design of all Boere machines is based on four basic rules: the machine should be strong and reliable, not expensive to maintain and easy to operate.

'We want our machines to operate for decades not just for a few years,' says Bert.

'With great customer service, we don't want our customers waiting for service when they need us,' he adds.

Boere are distributed by Calderbrook Woodworking Machinery Ltd in the UK, who have a network of specialist trained engineers on Boere machines.

Managing director, Tony Hoyle has been selling Boere machines for over 40 years.

'I installed the first Boere sander brought into the UK in 1974 and it's still in operation!'

One of the major leaps forward by Boere over the past 10 years has been the introduction of new technology.

'We have technology where needed, no fancy gimmicks that are not necessary. The touchscreen V8 control is easy to use and very graphic - much like a modern tablet,' explains Tony.

'It gives a platform to run basic machines and add modules for options for more complicated machines such as segmented pads etc,' he adds.

'Another popular addition welcomed by the users is the Vision Window and LED lighting. The operator can really see what is going on in the machine and

understand the process. Its no longer a magic box!'

Boere Machinefabrik BV offers a number of varied products. Alongside the company's standard machines and special application machines, they also offer a range of edge finishers, narrow belt sanders and structuring machines.

The entry level machine is the Sandonomic, designed to be ultra compact for the smaller workshop. It is available in widths 650mm -1300mm as single, or two unit machines. New for 2019 is the possibility to add special equipment for high quality veneer and lacquer sanding.

The Sandrite is an industrial workhorse well priced and offered with options to cover all sanding requirements. It is available in 1-3 units 1300mm wide.

Most popular is the CC1300SPSP, which is a machine suitable for solids, veneers, paints and lacquers.

'This machine has surprised even us,' explains Bert.

'It outperforms machines costing twice the amount. We have customers who have spent hundreds of thousands of pounds on a sanding machines, but our CC machine has outshone them on both finish and reliability and it is much easier to use,' says Bert.

The Select is a machine with very heavy construction for the most demanding processes, available in widths 600mm-1300mm with 1-4 sanding units in both top and bottom variation.

The Elite is used in the Boere special projects department (a sub-division at Boere developing machines using the latest technologies and engineering techniques on "Taylor Made" approach).

Anything is possible in this range with sanding widths up to 2500mm with 1-4 sanding units and in both top and bottom variation.

Boere really do have it covered with a sanding machine for everyone.

For further information tel Boere on 01706 873344. Visit www.boere.nl



A CUT ABOVE THE REST!

Welcome to the Industrial Woodworking & Panel Processing Website!

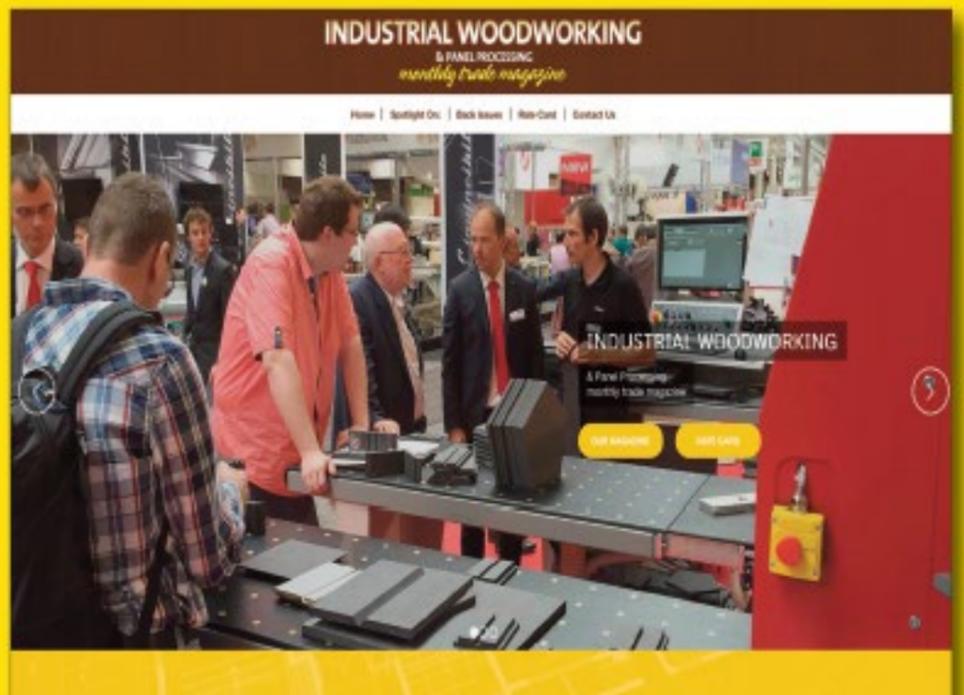
Our website provides an introduction to the magazine and is updated every single month. It is designed to be quick and extremely easy to use with every one of the previous year's magazines appearing on-line, providing the woodworking professional with easily accessible information at their fingertips.

Quite simply, our website provides you with relevant and informative information in a straightforward, no nonsense style.

Whether you want to view our current issue BEFORE the magazine itself is published, or whether you wish to research articles which have appeared during the previous 12 months, it is all readily available to you.

John Emslie - Publisher

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MasterwoodgbLtd

EMBRACING THE FUTURE WITH WEINIG'S RENOWNED INNOVATIVE TECHNOLOGY



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

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

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

When it comes to refined and sophisticated finishes, the Lange Bros. Woodwork team can provide the inspiration.

The result is impressive reference projects throughout the country. The company has a particularly excellent reputation as a restoration specialist.

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

The company is currently in the process of optimising and expanding its moulding and cutting operations.

This has included the acquisition of a rip saw and the chosen model was a VarioRip 310 with infeed automation.

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

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

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

'It is exactly innovative technology like this that will allow us to embrace the future,' says Rudy Lange.

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

NEXT MONTH: CNC PRODUCTS & MACHINERY

DESIGNED, MANUFACTURED & PROVEN IN MADE IN GERMANY

Forsa 9.0

3.2m Professional Panel Sizing saw

Scheppach Forsa Series professional panel sizing saws are distinctively German from head to toe. German technology - German innovation - German quality - and five models to choose from offering between 1.6m and 3.2m length of cutting stroke. All Forsa Series come complete with patented integral motorised cast iron pre-scoring unit whilst still retaining a 107mm depth of cut for ripping solid timbers plus micro rip fence setting to within 1/10mm. The precision sliding beam can be equipped with optional professional sliding table carriage with telescopic arm and table width extension (TWE) as illustrated. (Both included in prices quoted below.)

Forsa 3.0

1.6m Panel Sizing Saw

Forsa 4.0 & 4.1

1.6m & 2.1m Panel Sizing Saw

Forsa 8.0

2.6m Panel Sizing Saw

Model	Product Group Series	Specification includes (as per quoted price)	Mc HP / Scorer / Volts	Depth of cut & length of stroke	Price Exc VAT - Plus Carriage	Price Inc VAT - Plus Carriage
Forsa 3.0 - P1	Workshop	Inc Professional STC + TWE + TLE + Scorer	5.2 / 1.0 / 415v	87 mm x 1.6 m	£2,895.00	£3,474.00
Forsa 4.0 - P1	Workshop	Inc Professional STC + TWE + TLE + Scorer	6.5 / 1.0 / 415v	107 mm x 1.6 m	£3,895.00	£4,674.00
Forsa 4.1 - P1	Workshop	Inc Professional STC + TWE + TLE + Scorer	6.5 / 1.0 / 415v	107 mm x 2.1 m	£3,995.00	£4,794.00
Forsa 8.0 - P3	Professional	As illustrated above	6.5 / 1.0 / 415v	107 mm x 2.6 m	£5,420.00	£6,504.00
Forsa 9.0 - P3	Professional	As illustrated above	6.5 / 1.0 / 415v	107 mm x 3.2 m	£5,575.00	£6,690.00

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WEINIG UK LAUNCHES THE CUBE FEST

MARCH 26 - 27 2019, WEINIG EXPO UK, ABINGDON, OXON



Weinig's "Wordsearch" Cube Plus will be at the heart of the Cube Fest in March at Weinig Expo UK.

IT'S not just Oktoberfest that's coming early this year; according to Weinig, so is Christmas! If you are yet to join the Cube brigade, now it is the time to take advantage of some very special offers.

The sheer simplicity of the Cube Plus from Weinig has transformed the way companies plane and straighten timber. With well over 120 sold across the UK, the Cube has been a resounding success, with machines going into small workshops, timber merchants and large production factories up and down the country.

And the deals Weinig has on offer at their Cube Fest in March are extraordinary:

'The Cube is a fantastic and clever piece of kit which has proven to be an indispensable workhorse to everyone who has taken one,' says managing director of Weinig UK, Malcolm Cuthbertson..

'If you're a business that believes in

efficiency, productivity and flexibility, come and claim your Cube Plus exclusive offer on March 26th or 27th and other advantages.

'We've got German Beer and bratwurst at the best Cube Fest offer ever!' he adds

To qualify for the Cube Fest exclusive offer, just turn up on March 26th or 27th March at Weinig Expo UK in Abingdon, OX14 1DY. Extended opening on 26th March to 7pm.

Weinig Expo UK - Innovation Centre for Manufacturing Excellence

Weinig UK's brand new centre of technical excellence is located in Abingdon, Oxon. The "innovation centre for manufacturing excellence" houses over 20 of the latest machines and technology from the global leader of solid wood processing machinery and systems, high-quality panel processing solutions from sister-company Holz-Her and modern classical machines by Hofmann.

For further information tel Weinig on 01235 557600 or email sales@weinig.co.uk for details of this never to be repeated offer. Visit www.weinig.co.uk

PANHANS OFFERS A CENT OF INNOVATION



2018 marked the 100th anniversary of Panhans woodworking machinery. The machines are crafted in the picturesque town of Sigmaringen in Germany using the finest materials and latest technologies with a constant emphasis on development and innovation.

Panhans claims to have the biggest range of machinery of all the premium German manufacturers. A brief overview of the products appears below.

Bandsaw

Panhans TYPE-BSB is claimed to be the finest bandsaw money can buy, with Panhans "APA" saw guides featured as standard. It is available in wheel diameters from 400-900mm. Also available in the portfolio is the Type-TSB heavy duty resaws and a high capacity three-wheel bandsaw, the Type-3V.

Spindle moulders

Panhans Type-245 tilting spindle moulders are available with options to suit everyone's needs. You really can have these machines as simple, or automatic as desired. The Panhans Type-245/10- a simple heavy duty manually adjusted tilting spindle moulder.

Type-245/20 introduces powered axis with position control. New from 2018 was the Type 245-100, 245-200 and Type 245-3300 all with touch control with the latest technologies with two- to four-axis control and a luxurious list of options fitted as standard. The future benchmark for all spindle moulders to aspire.

Panel saw single tilt

Panhans TYPE-680/10 and 680-/20 both with solid cast

double guided saw arbour complimented with long stable saw shaft ensure many years of accurate cutting.

The Type-680/10 is a standard machine with two-axis control of both tilt and blade height, in addition to this the Type-680/20 boasts an overhead control and powered rip fence as standard.

Panel saw double tilting

Panhans Type-V91 third generation is from the founders of the twin tilting saw. Offering refinement by the experience gained over decades of development, the Type-V91 is for those who want the best of the best but still require reliability and simplicity of use.

Planers

Planers Type-436/10 planer 630mm X 300mm capacity. Computerised position control ensures work is produced to the accurate standards expected. Panhans Type-334-335-336. surface planers widths 400mm - 600mm with long finely planed cast-iron tables ensuring ease of straightening materials.

Combined machine Panhans Type-546 is unique in its design without the need to lift the tables between operations and the ability to surface and thickness at the same time over 630mm.

For further information tel Calderbrook on 01706 873344. Visit www.panhans.de

WOOD WASTE TECHNOLOGY PROVIDES THE PERFECT SOLUTION

A TEESSIDE joinery company is saying "Goodbye" to unnecessary heating and waste disposal bills after buying a new wood waste heater from Wood Waste Technology.

Tees Tech Joinery Ltd has been established over 13 years, specialising in the creative manufacturing of quality bespoke joinery projects including kitchens, bedrooms and bathrooms from its premises in Billingham.

As a joinery manufacturer, the business was spending a great deal of money regularly on skips to remove its wood offcuts and other waste and gas to heat its 4000ft² workshop during the colder months.

On a trip to the W joinery exhibition at the NEC, managing director of Tees Tech Joinery, Dean Price learned about the benefits of investing in a wood waste heater and how it could reduce waste disposal costs and provide free heating.

Following more information and a site survey, Wood Waste Technology's specialist engineers installed a WT5 wood waste heater into the factory last year.

'We're delighted to have found Wood Waste Technology and the company's range of wood waste heaters,' says Dean.

'Once we understood the benefits, investing in one was common sense. We carried out some calculations and realised that the wood waste heater would easily pay for itself in less than two years, because of the savings we'd make on heating and waste disposal costs.

'In fact, we had the gas heaters removed, because we just don't need them, since the wood waste heater was installed, as it generates more than sufficient heat for our workshop,' adds Dean.

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

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

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

The company is also a distributor for Putzmaus boiler tube cleaning systems - a powerful, but gentle routine maintenance solution that is quick and easy to use 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



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