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INDUSTRIAL WOODWORKING & PANEL PROCESSING

JULY 2023

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LEITZ TOOL MANAGEMENT CUTS PRODUCTIVITY DROP-OFF

LEITZ is working with manufacturers to significantly improve their productivity through its Tool Information Management (TIM) system.

The TIM system is designed to maintain optimum machine and tooling performance by monitoring the tool life-cycle, ensuring that a regular sharpening, cleaning and servicing schedule is carried out at the correct timings to avoid any drops in productivity.

The tooling system is directly monitored at Leitz to track changes and fluctuations in production to predict and assess when your tooling requires maintenance, or replacement.

For larger operations, Leitz can also use RFID tags to track the location and usage of tools.

'We are well aware of the issues that machine downtime can have for our customer's businesses,' says managing director at Leitz Tooling, Simon Liddell.

'If tooling systems aren't managed effectively, it can have a huge knock-on effect, significantly reducing productivity and product quality, not to mention damage to the expensive machines and their parts.

'Leitz TIM customers are well positioned to avoid downtime and can help to keep tooling cost-effective.

'When paired with our new E-shop for consumables, it gives manufacturers more support with end-to-end management of their



tooling inventory. Interested companies can set up a meeting with our team, where we will assess your manufacturing processes and identify a package that is most suitable for your needs and budget. After onboarding, clients will gain access to our systems that monitor their tooling,' concludes Mr Liddell.

For further information tel Leitz on 01279 454530.
Visit www.leitz.org/en-gb/services

NEW PARTNERSHIP FOR SWEDISH COMPANY

LEADING European manufacturer of self-assembly furniture, Forte has announced that it has partnered with Swedish company, Vålinge and has been granted a licence to use the revolutionary new Threespine ID click furniture technology.

'Forte's mission is to create a better home. That is why when I first saw Vålinge's solution, it just clicked with me. It brings a new consumer experience during assembly, making it easier and more intuitive,' says board member of the Forte Group, Maria Florczuk (pictured right).

'At the same time, the possibility to conveniently dismantle the furniture extends its life-cycle and facilitates its recycling, which is another big step towards one of our most important goals for the upcoming years – sustainability,' she adds.

'I am convinced that, by joining forces with an innovation leader, such as



Left, senior key account manager furniture at Vålinge Innovation, Johan Hallin with Forte Group board member, Maria Florczuk,

Vålinge, together we can provide better solutions to both our customers and consumers,' says Maria.

The innovative click furniture solution Threespine® ID, represents a radically different way to assemble and disassemble furniture. Using an effortless process that makes assembly up to 10 times faster than any other conventional option, almost completely tool-free and with rock-solid stability.

For Maria Florczuk, this is a meaningful step towards the future:

'This new technology will be a game-changer for RTA furniture and the customer experience. Vålinge has succeeded in creating an impressive innovation here and we are thrilled to be able to accompany and help shape this journey from the very beginning,' she concludes.

'We are very happy that Forte has decided to use our ground-breaking technology and to integrate it immediately into selected programs,' adds senior key account manager furniture at Vålinge Innovation, Johan Halin (also pictured left), who is very pleased with the collaboration so far.

For further information visit www.valinge.se

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BE FESTOOL EQUIPPED! FESTOOL IS WITH YOU EVERY STEP OF THE WAY

HAVE you purchased a Festool 18-volt power tool in March? Festool is giving one lucky tradesperson the chance to win £10,000 worth of kit, including £8,000 of the manufacturer's products of their choice. The prize will include accessories and batteries, as well as a bott Smartvan racking system to the value of £2,000.

Festool will also support the winning professional tradesperson's career by helping them with social media, creating useful content and case studies for them to use for their business, as well as any technical advice for the new tools.

'I'm ecstatic and very grateful for the win from Festool. I bought the new cordless KAPEX KSC 60 and saw the link to enter the competition when I registered it for warranty. I didn't expect to actually win, so I was a

bit shocked when I received the call!' says last year's winner, Dan Giles.

'I've not seen other tool manufacturers that run promotional competitions on this scale - especially none that are ran in conjunction with other companies such as Festool has with bott Smartvan.

It just goes to show how much they care about the UK market, which seems to be neglected by the other manufacturers. When you look on social media, there's no other tool manufacturers that interact with UK based trades and influencers, putting on demo days etc as much as Festool does. It's something that sets them apart from the crowd,' adds Mr Giles.

For further information and to obtain an application form visit www.withyoueveryday.festoolgiveaway.co.uk/



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The new T77 is a technological masterpiece. Even in its basic version, you can digitally control up to seven axes with ease. The cutting speed can be precisely adapted to the requirements of any material or depending on your choice, you can tilt the saw blade to one or both sides. The new networked ConnectControl system also offers highly efficient cloud-supported work in every aspect.



MARTIN

www.martin.info



GERMAN
INNOVATION
AWARD '22
WINNER



ConnectControl
Technology

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Scotland

AWMS Engineering Ltd. – www.awmsltd.co.uk

WS Woodmachinery – www.wswoodmachinery.co.uk

Northern Ireland

Electro Tech Machinery Ltd. – www.electrotechmachinery.com

Republic of Ireland

HIGH-TECH MACHINERY Ltd. – www.high-tech.ie

IT'S OFFICIAL AES GROUP ESTABLISHES NEW UK HEADQUARTERS IN LANCASHIRE

IN LINE line with their plans for further growth in the UK and the overall expansion of the AES Group, AES has now set up a UK headquarters based in Lancashire.

This investment shows a clear sign of continued commitment towards the UK and Ireland, which has seen year on year growth over the past five years.

The new showroom will have several CNC machines on display from nesting to CNC drilling to pod and rail and five-axis machines. There will also be beam saws and edge-banders on display of varying specifications and price levels, all of which will be available for demonstration.

The new facility will also have training rooms for software demonstrations and pre-delivery training to ensure that the integration of new machinery is made as seamless as possible and customers are well prepared as opposed to learning "on the day".

Customer support is always one of the main considerations for anyone purchasing a new CNC machine and AES is looking to change the landscape of owning an industrial CNC.

All new AES machines carry a free life-time remote technical support warranty. AES UK will also offer fixed price servicing, ensuring that customer investment is well supported and remains cost

effective in the long term. In short, AES UK, coupled with the backing and resources of the AES Group aims to give the best possible customer experience from demonstrations to delivery to after sales care and that is guaranteed.

The UK based AES trained technicians can offer support either by phone, by remote connection or they can arrange to make site visits as and when required.

This is a very exciting time for the AES Group, allowing the company to work closer with customers in the UK and Ireland. This latest subsidiary joins AES Europe based in Belgium, AES America based in North Carolina and the main manufacturing facility, which has several factories in Turkey.

For further information tel the company on 0800 083 8844.
Visit www.aesgroupukmachinery.co.uk



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INTERNATIONAL TIMBER HAS THE IDEAL SOLUTION FOR COSTA COFFEE DEVELOPMENT

INTERNATIONAL Timber and Jewson have teamed up with local developer, Ascia Construction, to provide sustainable and quality cedar timber for the development of one of Costa Coffee's latest drive-thru facilities.

Located at the Adanac Health and Innovation Campus in Southampton, the Costa Coffee drive-thru will provide at least 15 new jobs and soon begin to serve those working and visiting the hospital site.

The building has been designed to include indoor seating for customer use, outdoor tables and a drive-thru window for customers on-the-go.

The initial design incorporated red and white render, cedar cladding and grey, powder coated metal roof and windowpanes, as well as turf borders, ornamental planting and newly planted trees surrounding the site's boundary.

When timber development manager at Jewson, John Packer was first asked to secure the cedar cladding for this project, it was discussed whether UK Cedar, or Western Red Cedar would be the best fit.

The cladding designs included lots of individual pieces of cedar, all the same size, but cut at different angles, to create a unique timber design that has become synonymous with Costa's coffee shops over time.

Due to the complexity of the design and to ensure the visual aesthetic of the cladding, both John and the team at Ascia Construction decided that Western Red Cedar would provide the ideal solution; helping to minimise knots and to prioritise quality, durability and sustainability.

'This project was one of the first major enquiries we'd worked on for Ascia Construction and we wanted to ensure that the quality of the materials, together with the customer service provided met the company's expectations. International Timber proved to be the perfect choice of supplier, offering a



cost-competitive quote, alongside a high-quality, durable product,' he adds.

International Timber's Western Red Cedar is often a favourite for both internal and external cladding, due to its natural resistance to decay and insect attack, as well as being an excellent material for thermal insulation - keeping the building cool in summer and preventing heat from escaping in winter.

Both John and the International Timber team worked closely to deliver 32 finish x 32 finish PSE cedar, providing samples which had been machined to specification and brought on to site to ensure that the customer was satisfied right from the beginning.

John then made two more visits throughout construction; once when the cedar was first delivered and again when it was fitted - each time with those on site at Ascia commenting on the quality of the timber.

With (PEFC) certification, the team at Ascia Construction could rest assured that the cedar used would be in line with Costa's sustainability objectives.

'Each time I arrived on site, the guys from Ascia Construction would comment on the fantastic quality of the cedar - even going as far to say that it was the best cedar they had ever worked with which, of course, was music to my ears,' explains John.

'The project was finished in April this year and it really is a superior build with quality materials and craftsmanship,' he adds.

For further information tel International Timber on 0844 728 0340.
Visit www.internationaltimber.com.

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A TRIO OF WOOD MANUFACTURERS RECEIVE WELL-EARNED REWARDS FROM MADE SMARTER

Logs Direct, Crystal Doors and Playdale Playgrounds receive “gold” certification from the technology adoption programme launched by Made Smarter.

A TRIO of wood manufacturers pursuing digital transformation are among the first recipients of the Made Smarter Awards, which celebrate excellence in manufacturing.

The scheme has been launched to mark the fourth anniversary of the pioneering Made Smarter adoption programme - a Government-funded and industry-led initiative helping SME manufacturers digitalise, decarbonise and drive growth.

Logs Direct, kiln-dried wood manufacturers based in Lancaster, Playdale Playgrounds, a playground equipment manufacturer based in Ulverston and Crystal Doors, a manufacturer of bespoke vinyl wrapped furniture, based in Rochdale are among the first 19 “gold” award winners.

A further 21 manufacturers achieved “silver” and 118 received “bronze” for their committed approach to digital transformation.

‘The Made Smarter adoption programme is a huge success story for UK manufacturing. It has inspired leadership and evoked change in hundreds of businesses through technology and new skills,’ says director of Made Smarter’s North West adoption programme, Donna Edwards.

‘Digital transformation can be hard, particularly in the current climate and given the challenges the sector has faced in recent years, so it is right that we recognise the hard work, dedication and forward-thinking nature of these businesses and their employees. They have embraced digitalisation to become a leading example of UK manufacturing excellence.

‘We are delighted to launch our first Made Smarter Awards and hope that recipients will wear them like a badge of honour to inspire others around them,’ she adds.

Logs Direct, a manufacturer of winter fuel products based in Lancaster, worked with Made Smarter to invest in a real-time kiln monitoring and heat-recovery system, which will improve productivity, efficiency and product quality.

The solution is forecast to increase growth by 15 per cent, create five new jobs, significantly reduce energy use and introduce new eco-friendly products.

‘We are truly honoured and surprised to receive our Made Smarter award,’ says finance director at Logs Direct, Liz Foulds.

‘Made Smarter has been instrumental in allowing us to move forward with a greener, more efficient and cost-effective drying process and given us the confidence to look at the next steps of improvement,’ she adds.

Playdale Playgrounds invested in a state-of-the-art Smart CNC routing machine, which links with CAD and nesting software and the company’s ERP system.

The integration of the design and manufacture processes has allowed the company to achieve significant improvements in efficiency, output, productivity, reduce material use, tooling and downtime and improve quality.

‘We are extremely grateful to the Made Smarter programme. Adopting technology is an essential part of our digital strategy,’ says technical & operations director for Playdale Playgrounds, Paul Mallinson.

Their expertise and support has accelerated our future state and ambitions to become an entirely digitally integrated factory,’ adds Mr Mallinson.

‘In such a competitive market we need to be able to manufacture faster and more efficiently,’ he concludes.

To date, the North West programme has provided specialised support to over 2,500 businesses. Its advisors have imparted expert, impartial technology advice and digital transformation workshops to help create a

digital roadmap, skills support and leadership training and grants towards technology projects.

Some businesses have adopted technologies that enable them to integrate systems, capture and analyse data and even create simulations of their plants and processes.

Others have adopted 3D-printing, automation and robotics to solve business challenges and meet increased demand.

These investments have created 1,300 new manufacturing jobs, upskilled 2,400 existing roles and added over £209M in GVA for the North West economy.

Businesses are also benefiting from improved productivity and revenue, increased exports and lower energy bills, and a reduced carbon foot-print.

For further information visit www.madesmarter.uk



Made Smarter’s Sarah Woodhams and Stephen Talbot from Logs Direct.



Paul Mallinson from Playdale.

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Richard Hagan from Crystal Door in Rochdale.

HEITZ PRESENTS NEW EDGING DIMENSION

HEITZ, the veneer edging specialist, came up with a strong trade fair novelty at interzum: The Curve. It is a multi-layered thick veneer edging so flexible that it opens up new dimensions in the processing of thick veneer edgings around tight radii.

It differs from conventional thick veneer edgings by way of its special set-up. This feature enables a processor to run a thick veneer edging around even the tightest radii (e.g. radius ≤ 20) in just one pass on a processing centre.

This ensures significant time savings and is thus also clearly beneficial

in terms of economy and efficiency. The Curve unfolds its special qualities when it comes to cover edges of workpieces with small radii on processing centres. This is what makes this thick veneer edging so attractive for the demanding user.

With this innovation Heitz once again is proving itself to be an innovation driver in the fast moving edge-banding market with its ever changing trends.

For further information visit www.h-heitz.de



Perfect for applications at the limit: the new, highly flexible thick veneer edging from Heitz.

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AXMINSTER TOOLS WINS THE KING'S AWARD FOR ENTERPRISE

AXMINSTER Tools has been honoured with the first ever King's Award for Enterprise in the Innovation category.

The Devon-based woodworking tools and machinery retailer and manufacturer is one of 148 organisations to be recognised with the prestigious award.

The King's Awards for Enterprise was previously known as The Queen's Awards for Enterprise, with the new name reflecting His Majesty The King's desire to continue the legacy of HM Queen Elizabeth II's by recognising outstanding UK businesses.

The Award programme, now in its 57th year, is the most prestigious business award in the country, with successful businesses able to use the esteemed King's Awards Emblem for the next five years.

Axminster Tools was recognised with the King's Award for Enterprise

for the company's own brand UJK Parf MKII guide system.

Based on Pythagoras' theorem and developed in collaboration with Master Craftsman, Peter Parfitt, the UJK Parf MKII System helps to produce portable bench tops for woodworkers.

'I am so grateful that Axminster Tools had the courage to take my design ideas and turn them into a super product that sells all over the world. This is a wonderful achievement that reflects the strength of our partnership,' says Peter Parfitt.

Last year Axminster Tools clocked up 50 years of trading. While celebrating the past, the company invests heavily in the future.

Axminster Tools manufactures an increasing number of own branded products in the company's state-of-the-art manufacturing facility in Axminster in Devon, including the award winning UJKParf MKII guide system.

'We are delighted to receive the prestigious King's Award for Enterprise. Whilst we source products from across the UK and all over the world, we take particular pride in the manufacture of a growing range of our own products in Axminster, Devon,' says managing director, Alan Styles.

'As a British retailer, we're proud to support British design, quality and innovation and we're thrilled to have been recognised in this category.

'It's a wonderful achievement and a testament to the resilience of the company and our employees through these unprecedented times,' he concludes.

A Grant of Appointment and trophy will be presented at the Axminster Tools headquarters by His Majesty The King's personal representative, the Lord-Lieutenant, later this year.



The UJK Parf MKII guide system.

For further information visit www.axminstertools.com



Tim Styles using a track saw cutting station made using the UJK Parf MKII guide system.

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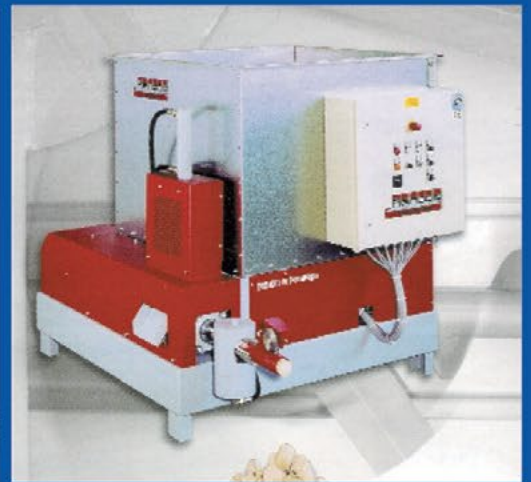
Peter Parfitt (right) with product expert at Axminster Tools, Tim Styles.

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EFFECTIVE CLEANING WITH AN ANTI-DUST CLEANING MACHINE FOR A QUALITY FINISH

PWS is a family-owned market leading distributor and manufacturer of kitchen and bedroom components with a history dating back over 110 years.

Based in the North East of England, since 2018 PWS has invested in industry leading paint finishing systems and offering its customers a comprehensive range of colours with many in stock, or on very short lead times.

PWS has taken large production steps in mastering the application of water-based paint systems and soon learned the value of reducing the amount of rework and rejections, due to cleanliness before any paint is applied.

Working with a just-in-time manner, the slightest delay in product has a disproportionate effect on performance and any improvement in this area is vital.

After speaking to Dean Grimbley of John Penny Woodworking Machinery and discussing the MB anti-dust Cleaning machine, it was soon apparent that there were a number of benefits to this machine.

The ROBA anti-dust can be a throughfeed, or stand-alone solution, which guarantees high productivity with the best cleaning results. Usually the machine is placed directly in front of a finishing line, or immediately after a sander.

Many companies have the problem of imbedded dirt and dust residues after lacquer application. It is difficult to remove these particles, as they are sealed under the lacquer layer. This means that perfect cleaning of all parts is required before finishing.

PWS discovered that the company's current machines didn't solve the cleaning problem 100 per cent, due to several reasons: cross drums are only able to remove dust from the grooves in feed direction, leaving dust in the

transversal grooves, or at the shoulders of a Shaker door panel. Wrongly configured brushes and small tool diameters don't offer the capacity to collect large dust volumes.

The new ROBA anti-dust line solves the problem with the help of an additional cross unit, a double brush rotating clockwise and counter clockwise, a noodle blower at the machine exit, several ionization bars and extra-large brushes equipped with very effective ostrich feathers (shown in one of the accompanying photographs).

This combination ensures that the whole part is completely cleaned, even in complicated details of the cabinet doors.

Cleaned this way, the parts will pass the so called "Black T-Shirt Test". The machine can also be delivered with a bottom cleaning unit.

After testing back at the MB manufacturing facility in Herford Germany, PWS was suitably impressed and ordered the machine, with installation taking place in early May 2023.

*For further information tel John Penny on 01235 531700.
Visit www.john-penny.co.uk*



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ANNOUNCING THE NEXT GENERATION IN PRE-FINISHED VENEERED PANELS

James Latham announces the UK and Ireland launch of Decospan's new Shinnoki range

JAMES LATHAM - one of the UK's leading independent materials distributors, has introduced Shinnoki 4.0, Decospan's new range of premium, pre-finished real wood veneered panels.

Exclusive to the distributor in the UK and Ireland, this new Shinnoki collection combines cool and contemporary timber decors with an almost unmatched degree of strength and resistance.

Showcasing the kind of beauty that only real wood can bring, Shinnoki 4.0 comprises 18 different styles, within six distinctive collections, to suit almost any taste. This starts with the subtle, lighter-coloured "Washed Stone" and "Pure Natural" through to the darker-hued "Sultry Browns" and "Luscious Blacks".

Pre-finished perfection

Manufactured with a real wood veneer, bonded to a 100 per cent sustainable MDF core, Shinnoki's pre-finished boards are manufactured with the highest levels of care, craftsmanship and attention to detail.

With the authentic look and feel of full-bodied timber, every Shinnoki panel is treated with Decospan's signature six-layer varnishing technique, with the result that they are scratch-proof and water-resistant and able to withstand the demands of busy interior environments.

The addition of a subtle, super matt coating and a deep brushing also makes the material soft to the touch, whilst enhancing the texture of each grain.

The full range includes matching panels, veneers and edge-banding, ensuring complete consistency.

Not only that, they're made using Decospan's proprietary MixMatch technology to create a uniform surface, with a linear grain effect, using only the choicest cuts of veneer to ensure that there is never any compromise on quality.

Form and Function

Suitable for a wide variety of consumer and commercial applications, now including horizontal use, it can be specified for walls and ceilings, as well as furniture, from kitchen cabinetry to stand-alone pieces.

Crucially, from a fabrication point of view, Shinnoki offers that real timber look and feel, with the added benefit of lighter weight, greater consistency and easier machining. It is taking ready-to-use veneered panels to the next level, with a product that truly combines luxury and functionality.

The fact that every panel already comes brushed, stained and lacquered means that it requires no additional finishing.

This alone offers the potential for buyers to achieve significant savings and efficiencies, whether on a large-scale residential development, or on a busy furniture production line. No longer is hand treatment the only way to achieve the perfect finish on wood panels.

Even better, it's incredibly easy to install and low-maintenance, simply cleaned with a dry, or damp cloth, providing further reassurance

to home-owners, facility managers and cleaning contractors alike of Shinnoki's quality and durability.

Quality at every level

Finally, each panel comes with a guarantee that all the timber used in production has come from responsibly managed, FSC®-certified forests.

Furthermore, Shinnoki is only produced using wind and solar energy, guaranteeing a carbon-neutral material from cradle to gate.

The panels measure 2,790mm x 1,240mm x 19mm and are composed of two layers of veneer and an MDF core. They are available exclusively from James Latham in the UK and Ireland in packs of 25 sheets.

For further information visit <https://www.lathamtimber.co.uk/products/veneered/shinnoki>



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THE GROUND-BREAKING, USER-FRIENDLY T29 SPINDLE MOULDER FROM MARTIN

THE T29 spindle moulder from German manufacturing giant, Martin features a thoroughly user-friendly, state-of-the art control system.

Indeed, the key feature of this machine is the innovative control system, which is designed to support the user in all manner of tasks.

This enables the machine to be used effectively and economically, allowing it to make a considerable contribution to increasing the efficiency of any joinery workshop.

The spindle moulder's tilting arbor also opens up a whole new range of possibilities.

Previously, users had to carry out all of the measurements and settings for the tools themselves and this occupied a great deal of time.

With the Martin T29 spindle moulder, users are supported by intuitive electronics, with up to seven electronically displayed and controlled axes.

Setting up the Martin T29 spindle moulder is thus simple and hassle-free!

Innovative design

The T29 spindle moulder's electrically adjustable ring inserts provide the perfect solution for closing the gap between the tool and the table.

Fully integrated into the control system, they facilitate the set-up process enormously. By simply specifying a value, or moving them manually, you can open, or close the eccentric rings and thus the gap, continuously.

Fence jaw system

Thanks to the optional AutoLock fence jaw clamping system on the T29, you can ensure that the secure clamping of standard and integral fence jaws are completed in a simple and safe manner.

Always clamped securely by spring force, the jaw clamping is only released for setting with the easily accessible levers. This is carried without any electrics, or pneumatics.

Collision detection

During the set-up process, if a tool is accidentally moved on to a collision

course with the machine, it will automatically detect the issue and warn the operator. This ensures a very high level of safety for the user, even for inexperienced operators.

The machine software also prevents collisions between the machine components in the border areas of the travel paths of the table rings and the spindle sleeves.

Arbor quick change

There are two options available with the T29; the DornFix standard quick-change system and the HSK quick-change system.



The electrically adjustable ring inserts provide the perfect solution for closing the gap between the tool and the table. By simply specifying a value, or moving them manually, you can open, or close the eccentric rings and thus the gap, continuously.



The T29 spindle moulder from Martin features a user-friendly, state-of-the art control system, designed to support the user in all manner of tasks.

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The T29's HSK quick-change system works fully tool-free and is compatible with the CNC processing centres of leading manufacturers.

The T29 works fully tool-free and is compatible with the CNC processing centres of leading manufacturers.

You can use suitable CNC machining centre tools directly on the spindle moulder, relieving this machine from capacity-consuming traversing moulding tasks.

Complete control

Setting up one of these machines can be very time-consuming and a real challenge for a busy workshop.

However, the Martin T29 spindle moulder has an innovative, user-friendly control system, which lets users work highly efficiently and effectively, all thanks to its intelligent network.

The new ConnectControl system offers the possibility of managing your tool data from a central location typically the production planning department. This means that not just one machine, but all machines with access to ConnectControl technology, are updated with the latest data.

Reliable technology

Thanks to the T29 spindle moulders' tool conversion system, (which is integrated as part of the standard version), it takes no time at all to set up complex moulding patterns, especially those with tilted spindles.

This means that any user can efficiently and effectively make use of the large tilting range of 2 x 46° – and can follow your instructions perfectly.

Repeatability, process reliability and durability, combined with an intuitive, innovative control system is what makes the Martin T29 spindle moulder the perfect addition to any workspace.

Workshop efficiency

Thanks to integrated ConnectControl technology, every T29 can be networked quickly and easily.



During the set-up process, if a tool is accidentally moved on to a collision course with the machine, it will automatically detect the issue and warn the operator.



The T29's HSK quick-change system works fully tool-free and is compatible with the CNC processing centres of leading manufacturers.

ConnectControl is the umbrella term for the patented control concept that characterises the latest generation of formatting saws and spindle moulders from Martin.

It is because of this integration, that users can add further machines into the system, making it possible to control an entire workshop digitally.

Different machines can be taken into account from the project planning stage. The Cloud-based control system also ensures smooth and streamlined cooperation between several users.

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



The Martin T29 spindle moulder has an innovative, user-friendly control system, which lets users work highly efficiently and effectively, all thanks to its intelligent network.



Thanks to the T29 spindle moulders' tool conversion system, which is integrated as part of the standard version, it takes no time at all to set up complex moulding patterns, especially those with tilted spindles.



The innovative control system, which is designed to support the user in all manner of tasks enables the machine to be used effectively and economically, allowing it to make a considerable contribution to increasing the efficiency of any joinery workshop.

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INTRODUCING THE iDOVETAIL

WE LEARN ABOUT THE UNIQUE FEATURES OF THE iDOVETAIL, KNOWN AS “THE EASIEST DOVETAIL MACHINE IN THE WORLD”

THE iDovetail is a new machine that is designed to reduce staff training time and the correction time when changing a workpiece.

The remarkable thing about it is that anyone can operate this machine. It is as easy to use as a mobile phone, or a printer! Here we will explore some of the machine's key features.

OVERVIEW

The settings for making a dovetail profile are usually very tricky. You have different shapes, but also different wood thicknesses and widths. All these variants make it very difficult to set up a normal dovetailing machine. This is often done by a professional, who has been used to adjusting the machine for years but, even then, it is very difficult when you need a change of model, or other wood type and thickness.

A furniture maker knows that this is very difficult and spends a lot of time calculating. They have to make re-adjustments every time, for example, the width of the wood, or the model of the dovetail changes.

With the iDovetail that is all a thing of the past. You can easily enter your wood dimensions and the desired dovetail on the screen and you can see in real time what is happening and what it looks like in your choice of wood.

This makes it extremely easy for the operator to set up the machine. In fact, the machine itself does it all automatically. You don't have to make complicated settings, or have long-term knowledge. If you can operate a smartphone, you can also work with the iDovetail.

AN EASY TO USE INTERFACE

iDovetail designs the processing dimensions of each type of joint into a real-time model, so that you can directly see your finished product in the process of your input. The model changes when you enter any size.

This technology gives you a very clean operating space, so you can complete the whole design on the same screen. Using a real-

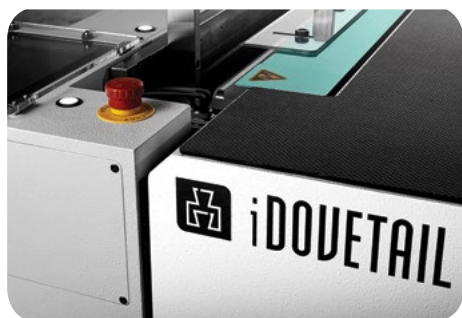


time model like this means that you can master your finished product 100 per cent in the design stage.

SPINDLE

In the design process, you can easily change the height of the dovetail, because the iDovetail has a three-axis servo structure that will automatically reach the required bit height when you start cutting. This can greatly reduce your tuning time when you change the size of workpieces.

The iDovetail is also equipped with bit recognition capabilities, so it knows which bit you are currently installing. Therefore, you have no chance of causing damage by accidentally installing the wrong bit.



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MULTIPLE FUNCTIONS

The iDovetail supports six commonly used joint types, each of which can be freely modified. With a 45° flip structure, you can easily cut mitre joints.

ANTI-TEARING

As you know, it is not difficult to cut a joint. The difficult part is not tearing the joint during processing. The number of processing paths for iDovetail to prevent tearing is more than three times that of the processing of the joint.

Its makers designed processing paths for pre-cuts in full-contour trimming. This unique pre-cut function gives your joint the best protection before you start processing.

SAFETY

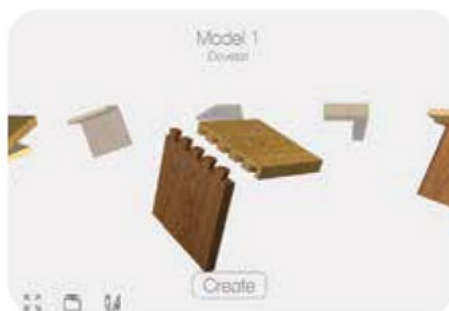
The iDovetail's clamp has a two-stage pressure design. When you are placing wood, the clamp is only clamped at a low pressure of 2kg/cm, which is automatically converted to 7kg/cm when ready for cutting. This is fully automatic and you do not need to perform additional switching actions.

TOUCH

The unobstructed 3D interface is operated using the gestures you are familiar with from your smartphone: Tap/Double Tap/Swipe/Pinch/Zoom.

MANAGE YOUR FILES

Storing a huge number of digital files is not a problem – you can quickly find your files through a simple filter.



VISUAL BITS

When you change/create a new bit, you can clearly see it in the visual.

DUST EXHAUST HOOD

The separate dust hood design allows you to change the tool without removing the dust hood. The dust hood is divided into half when the back cover is opened, making it very unobtrusive.

EASY BIT CHANGE

A bit change is a simple process of pressing one button to raise the back cover, then the spindle will automatically move to the position closest to you to let you change the bit, just like replacing a printer ink clip.



MINIMALIST DESIGN

In addition to the emergency stop button, the entire machine has only three physical buttons. iDovetail has complete operational tips during your operation and the design is so intuitive that it can be learned very quickly.

FURTHER INFORMATION

Rehomy from the Netherlands is the European importer of this unique machine from Taiwan.

The first iDovetail is already in operation in the UK and potential customers are very welcome to see this machine live working.

Rehomy BV – The Netherlands

Tel 00 31 512 525 090



Website: rehomy.com/iDovetail

MASTER OAK SCOOPS THE PRESTIGIOUS INTERZUM AWARD AT THIS YEAR'S EVENT

UNILIN Master Oak has been judged by an international jury of experts for its "High Product Quality" at Interzum 2023.

Looking at innovation, functionality, quality, design and sustainability; the judges decided that Master Oak has set itself apart from comparable products in the field of Materials and Nature.

Master Oak is Unilin's HPL that looks and feels exactly like real oak. Featuring Unilin Timber Touch Technology that adds more depth, clarity and texture than any other HPL, Master Oak is often mistaken for wood veneer.

In fact, it is a high-performance HPL surface that offers three times more scratch-resistance, easier maintenance and excellent durability.

Master Oak can be used to bring the look and feel of natural oak in a range of applications, including furniture, shelving, wall panels, doors and storage.

'Being recognised for the innovation, functionality, quality, design and sustainability of Master Oak by the respected judging panel of Interzum awards 2023 is hugely satisfying,' says Unilin Panels product manager, Ann De Blanck

'Master Oak's High Product Quality in Materials and Nature joins a growing roster of international accolades, including DNA Paris Design Awards and MIAW Innovation Award – all providing evidence of its excellence as an interior finish,' she adds.

The patented Timber Touch Technology used to produce Master Oak is unique to the industry, adding definition and detail, so Master Oak textures go deeper than ever before.

Regular HPL decorative wood effects only have around three or four depth levels, while Master Oak has 64, for 20 times more texture.

Timber Touch also gives a matt finish that has absent shine levels for a natural effect.

A patented coating applied to the digital paper ensures that it has more

colour play and depth, as well as improved sharpness and contrast. The end result is a decorative surface that looks exactly like oak.

This print technology also allows Unilin to create the largest pattern in the industry, which means an authentic look and fewer repeats.

Looking towards global trends and exploring how natural wood finishes are used in commercial interiors, the Unilin design team has put together a range of six authentic oak looks that are versatile and useable in real world applications.

Two of the options, Elegant Black and Everest White are exclusively available in Unilin's coloured in core high pressure laminate (HPL).

This special construction ensures that edges are the same colour as the Master Oak finish.

Ideal for furniture and cabinetry construction, coloured in core leaves a smart edge. Matching edging tape and end grain edging tape is also available for all six Master Oak colours.

Unilin has applied the technologies in Master Oak to HPL and melamine surfaces for a wide range of applications, including HPL doors and sheets, melamine faced MDF, chipboard and shelving.

Everywhere from retail cafés and bars, hotels and offices to schools and hospitals can enjoy the comforting and extremely relaxing look of natural oak.

The judges of Interzum awards 2023 looked at the level of innovation within Master Oak, as well as material quality, the harmony of form and function, service life, sustainability and use of resources.

Organised in co-operation with Red Dot, Interzum awards 2023 was exclusively for exhibitors at Interzum, the global furniture supplier and interior design trade fair in Cologne, Germany. These awards were a key part of the four-day event.

For further information visit www.unilinpanels.com



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BLAIRS SETS OUT TO IMPROVE ITS WINDOW AND DOOR PRODUCTION CAPABILITY

ESTABLISHED in 1913, Blairs Windows & Doors has tremendous experience designing and manufacturing windows, doors and conservatories based on delivering unrivalled client service with continuous commitment to quality and pricing from its three factories in Scotland at Greenock, Inverclyde and Hillington near Glasgow.

With a need to upgrade its manufacturing capability, Blairs was looking for a replacement of its 36-year-old Harbs machine.

Blairs designs and fabricates timber, aluminium and PVCu products for commercial and domestic projects across the UK.

In terms of the timber options, the company portfolio includes, sash and case, casement, double swing, tilt and turn, external door-sets and bespoke windows to suit all situations and performance criteria.

The sash window is one of the most recognisable window styles throughout the UK. Blairs designs naturally features the classic, stepped, vertically-sliding upper and lower sashes.

This product is widely specified and selected for conservation areas and Listed Buildings applications. Blairs has two options – its Victorian and Georgian designs – with options of single- or double-glazing with a range of hardware choices.

Both are available with the sashes counterbalanced by either traditional cords and weights, or spiral balances. Optional simplex fittings are also available for the cords and weights version to assist with cleaning from within.

All Blairs' products are produced to the highest certified industry standards and come with a 10-year guarantee.

The Blairs Casement range provides a modern, tailor-made replacement for the traditional casement style of window. This range includes: top swing reversible, side hung, top hung, deadlights and fixed sash designs.

Operations manager at Blairs Windows and Doors, Joe Boyd was clear in his search for a replacement for the company's long-served Harbs machine:

'We were looking to replace a 36-year-old Harbs machine which mills our profiles for double swing and enhanced casement windows,' explains Joe Boyd.

'We carried out extensive research of the machinery market and entered into dialogue with all the major manufactures, but only one appeared to match our particular requirements,' explains Joe.

'The only credible option was proposed by Ian Brown at International Woodworking (IWM), which is the UK agent for Czech company, Soukup.

It was clear to Ian that a Soukup solution would be ideal for Blairs and, following an initial outline, he introduced Joe to managing director and chief executive officer of Soukup, Jaroslav Soukup.

'Ian and Jaroslav's proposal was the impressive Wizard 4L CNC machining centre which, with its unique technical features to manufacture our window sections with greater accuracy and increased productivity was ultimately a straightforward conclusion to arrive at,' explains Joe.

In order for Joe and his team to be totally confident with their selection, Ian organised visits to several sites in the UK where the Soukup solution was already being used before visiting the Soukup factory in Czech for themselves.

'We travelled to the Soukup factory in Prague to see at first hand what their set-up was like and to witness machines in various stages of production,' says Joe.

'During the pre-delivery inspection we saw our machine fitted with Zuani tooling milling our large double swing window profiles.

'This only served to confirm that we had made the correct supplier, so we duly signed off the machine before it was immediately shipped to our factory,' adds Joe.

Having made the investment into the Wizard 4L – the results were clear to see:

'The big improvement for us is that we now have a new, highly efficient machine, which is fully supported by IWM.

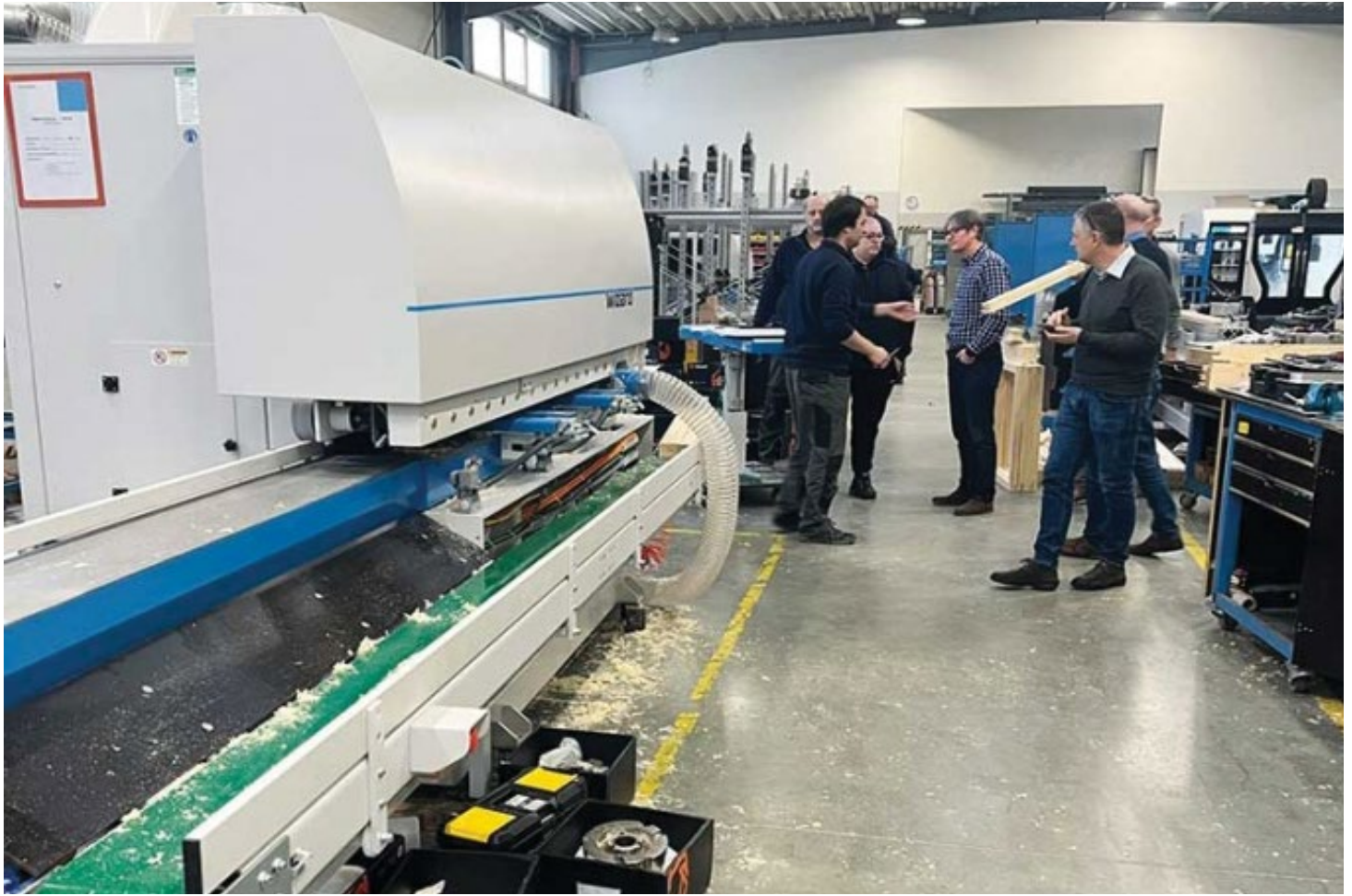
'Additionally, we are now far less dependent on a 36-year-old machine for which it was becoming increasingly difficult to source parts and, ultimately, resulting in significantly less down time and much greater productivity,' adds Joe.

The Wizard 4L machining centre comprises two independent machines,



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one each for tenoning and profiling. The machine can be controlled as an integrated working centre, or as two independent machines by an industrial PC running specialised control software with an operator interacting with the machine via a touch screen panel.

The capacity of the machine is about 30-40 one leaf windows per shift, using the traditional technique of outside milling of sashes.

The Wizard 4L machine can produce about 60 knock-down windows using the left working spindle for milling from both sides.

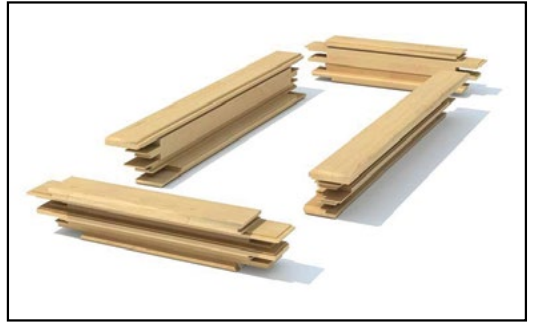
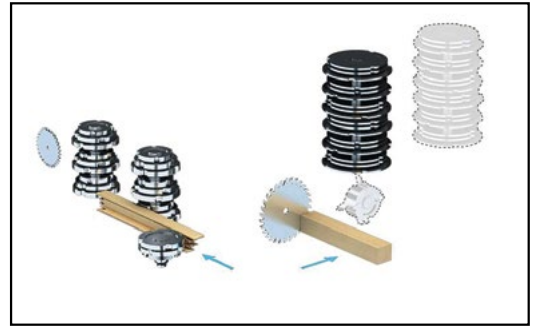
The Wizard 4L model, with its unique configuration, enables pre-squaring production. The tenoning operation is carried out by spindles long enough to accommodate all types of tenoning tool.

Soukup's unique tenoning cycle tenons and mills the outer shape of the timber end in a time efficient manner. The duality of the left and right profiling spindles ensures what is essential on this system – total precision.

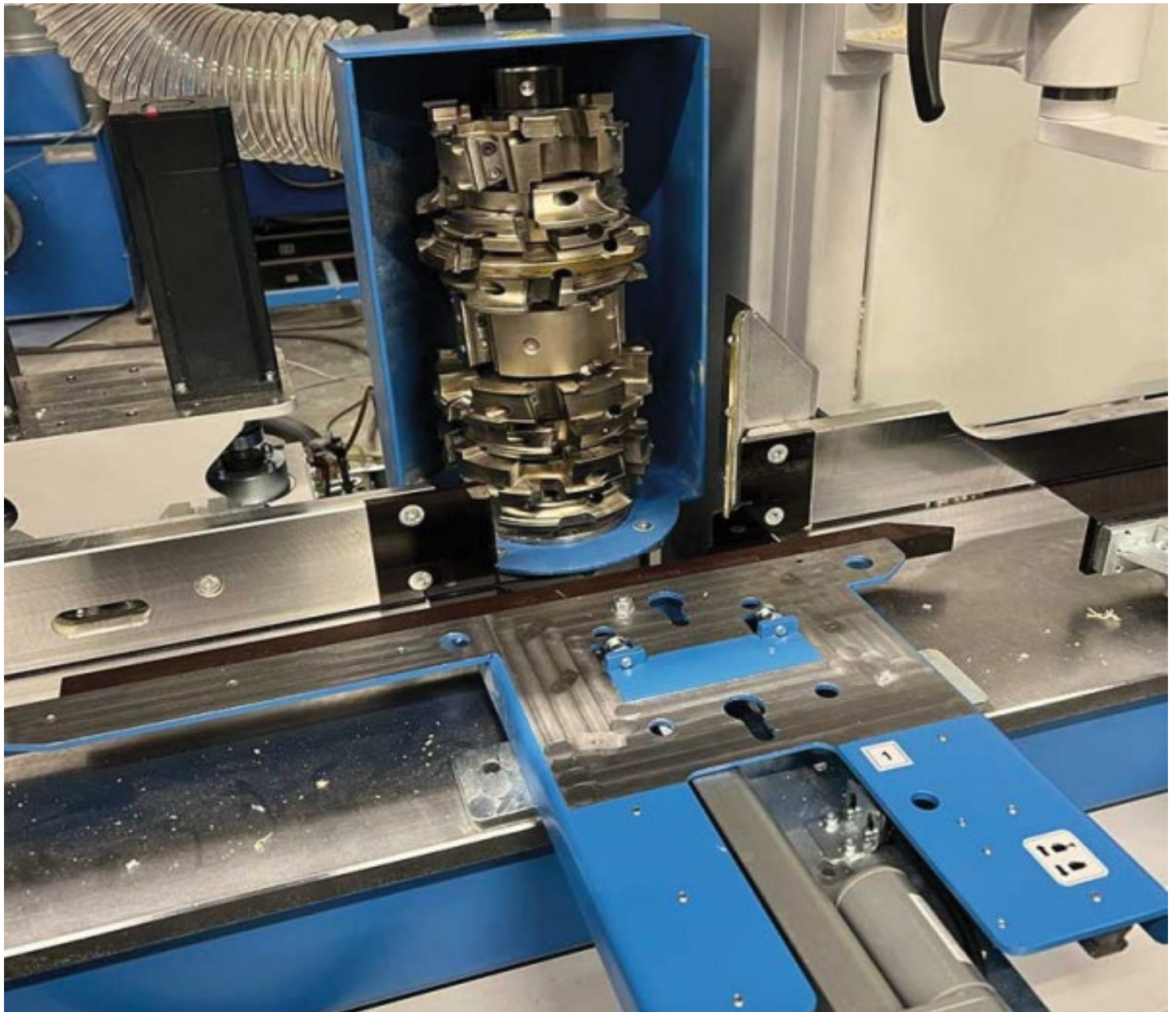
As only one single machine operation is involved, the process is incredibly fast and precise. All units are driven by high-speed brushless motors and the long gear feeder guarantees smooth surface finishes.

Blairs' machine was only commissioned at the end of January and, therefore, Joe and the team are only able to offer testimony to what has been observed in the brief time since then.

'The quality of the product is second to none!' says Joe, adding that: 'We are now working volumes and experiencing growing efficiencies. In terms of our experience to date. I would certainly recommend Soukup window machinery to any prospective IWM/Soukup clients.'



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