

**LIGNA**  
HANNOVER  
GERMANY  
**MAY**  
**15-19**

# INDUSTRIAL WOODWORKING & PANEL PROCESSING

MAY 2023

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## WOOD-MIZER TO PRESENT INNOVATIVE SOLUTIONS AT LIGNA

COME along and see Wood-Mizer at LIGNA and discover a wide variety of sawmilling and woodworking solutions to suit your needs, plans, conditions and budget. Don't miss the chance to find out what Wood-Mizer has in store for your business!

In the open area FG (Stand K44), Wood-Mizer will exhibit the LX and LT sawmill series, as well as some popular EG board edgers - including the EG100 and the EG300 edger/multi-rip.



A new wide head option to cut large logs will also be demonstrated on the LT20 WIDE and LT15 WIDE sawmills.

What is claimed to be Europe's most popular LT15 sawmill will be displayed in a mobile version, including one LT15 sawmill with a brand-new innovation that the sawmilling industry has never seen before!

Wood-Mizer will also present some models from the LX line-up of sawmills.

Responding to the needs of industrial sawmillers, Wood-Mizer will present two types of industrial sawmilling lines – the first one based on the WB2000 industrial sawmill and the MR200 double-arbor multi-rip and the second line built around the TVS heart duty twin vertical saw coupled with the HR700 horizontal two-head resaw and the EG800 board edger.

In a separate area (Hall 25, stand E06) Wood-Mizer will showcase its newest EA3000 transverse edger, a part of Wood-Mizer Systems.

In Hall 13 (stand E08), Wood-Mizer will present the woodworking series of compact and versatile machines for carpenters, such as the MP160, MP180, MP200, MP220, and MP360, including some new products, such as the four-sided MP280 planer/moulder and the MS750 panel saw.

In addition, Wood-Mizer will exhibit the CNC5003 machine for the automated processing of wood, plastics, composites and light alloys.

For further information tel Wood-Mizer on 01622 813201.  
Visit [www.woodmizer.co.uk](http://www.woodmizer.co.uk)

## VENJAKOB ROLLS OUT A COMPREHENSIVE LINE OF ROLLER COATERS AT LIGNA 2023

AT LIGNA Venjakob Maschinenbau will be presenting live demonstrations illustrating the German company's competence for the production of roller coating machines.

For individual coating solutions in the field of spray coating technology, Venjakob is an established name as a system supplier.

The general contractor's product range is extensive and covers all



processes included in a finishing line. Venjakob offers everything from a single source, including a variety of different application technologies.

In addition to spray painting, dipping, flow coating, or casting, Venjakob has been expanding its competence in the area of roller coating systems for some years.

The company will be offering live demonstrations at Ligna 2023. These will serve to demonstrate how profiled workpieces are effectively coated with a 100 per cent UV coating material, using a special transfer roller and in combination with the robust design of the machine.

Many people associate Venjakob with fully automated finishing solutions for industrial companies in the woodworking and furniture industries.

One highlight on the Venjakob stand will be the entry-level model VEN SPRAY ONE. It is robust, reliable and can be intuitively operated by a single operator.

At LIGNA Venjakob will also be demonstrating how painting systems can be optimally augmented with the addition of Venjakob's own control technology and the well-renowned Venjakob software program.

For further information tel Venjakob GmbH & Co KG on  
0049 5242 9603. Visit [www.venjakob.com](http://www.venjakob.com)

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# UNTHA OFFERS COMPLETE SOLUTIONS FOR WOODWORKING AND TIMBER PROCESSING

AS UNTHA shredding technology has a high percentage of in-house production directly at its plant in Kuchl near Salzburg, the company is in a position to implement tailor-made solutions for woodworking and timber processing businesses that reflect individual circumstances and requirements.

From planning to project execution and commissioning with all the required peripheral devices, this premium manufacturer offers its customers a one-stop-shop service.

Timber processing businesses know that only too well: shredding the material is one thing, efficiently removing the shredded material is quite another.

Whenever material needs to be transported in a certain direction and across a limited distance, conveyor technology is required. The electrical integration of the control system into existing facilities is likewise crucial.

In addition to providing classic shredding solutions, shredding specialist, Untha has also positioned itself as the one-stop-shop for system solutions for woodworking and timber processing businesses.

The CE marking of all Untha machines guarantees a clearly defined framework based on EU standards, making the process easier and reducing complexity.

Seamless, efficient operation also requires the swift removal of the

shredded material, which may then be used as alternative fuel, or for a completely different purpose.

Conveyance technology that is customised to fit your shredding facility and a range of conveyance systems transports the wood chips to their designated storage location in line with individual requirements.

All Untha wood shredders may be combined with all the necessary peripheral devices, thereby ensuring the gentle and energy-efficient transportation of the shredded material.

The Untha range includes feeder and conveyor belts, discharge screw augers and other devices that may be customised to fit the on-site requirements and the desired throughput of the shredder.

Thanks to its wide product range and complete solutions, Untha is able to offer the right shredding system for any required profile.

For customers, the benefits of a complete (or system) solution that comes directly from the manufacturer are obvious: they receive a reliable solution for residual wood shredding, customised to fit their individual application and from a single provider, ie planning, project execution, electrical connection and commissioning are all handled by the same contact partner throughout the entire project duration. The offer ranges from spiral conveyors all the way to hydraulic tiling tables.

When it comes to augers, Untha offers solutions with flexible, shaftless

*The Untha R520.*



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spiral conveyors, as well as rigid augers. Conveyor belts, on the other hand, may be horizontal, or inclined and are suitable for almost any type of material. The benefits lie in the high handling capacity and gentle transportation.

In addition, conveyor belts are well suited for handling long distances, as well as being easy to integrate into existing plant systems.



Shredding residual wood that contains screws and nails is not a big deal for Untha wood shredders. However, metal residue in wood chips may damage downstream equipment, or cause a higher wear rate.

In order to remove metal parts from the material, a range of metal separators is available to complete the chosen conveyor solution.

By way of ensuring that the separation of metal is efficient, conveyor belts may be equipped with a magnetic separator at the pulley. The pure material is moved on, whilst the metal parts are separated by the magnet and collected in a container.

Pipe magnets are primarily used in applications where the shredded residual wood is transported via an extraction-system. The pipe magnets are easy to integrate into the piping system, thus preventing metal parts from reaching the chip silo.

A magnetic drum is particularly suited for a high material flow that contains ferrous contaminants. The material flow runs directly on to the drum, which separates the ferrous fractions from the chips and collects them in a separate container.

An over belt magnet is recommended for installation above conveyor belts to remove metallic elements from the material flow. It may be installed perpendicular to the conveyor belt, or in a longitudinal direction at the point where the material is dropped.

Tilting containers, or bucket wheel loaders usually cope well with small cap pieces and residual wood. However, their feed opening is not sufficient for guaranteeing the safe feed-in of long stacks of panels and pallets.

A hydraulic tilting table may be the solution: it allows for the horizontal feed-in of long, unwieldy panels by means of a fork-lift.

The material is placed on the tilting table and then tipped into the cutting chamber for shredding.

Untha shredders are available in the UK from IMA Schelling UK Ltd.

*For further information tel IMA Schelling UK Ltd on 01937 586340.  
Visit [www.sales.uk@imaschelling.com](http://www.sales.uk@imaschelling.com)*





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# DISCOVER THE LATEST CNC INNOVATIONS BY AXYZ

ARE you looking for the latest CNC innovations? AXYZ is proud to be exhibiting at FESPA Global Expo 2023 in Munich from May 23-26. Come and discover the AXYZ difference in Hall B2 Stand C69.

## Technical Experts on Hand

The AXYZ team of technical specialists will be on hand to answer any questions you may have about the company's most popular CNC machines – the AXYZ TRIDENT, INFINITE and INNOVATOR routers.

These machines are designed to meet the needs of sign-makers and businesses of all sizes, providing the flexibility and performance required to stay ahead of the competition.

Live demonstrations will be taking place on-site of the AXYZ TRIDENT 6010 - a combined routing machine that is revolutionising the sign-making industry.

This innovative machine offers a router-knife hybrid system that allows the processing of a wide variety of materials, including wood, aluminium, acrylic and foam. With its advanced technology and precision cutting capabilities, this machine can handle even the most demanding projects with ease.

AXYZ is committed to providing its customers with the highest quality products and unparalleled service, understanding that each business has unique needs, which is why AXYZ offers customised solutions to help you achieve your goals. The AXYZ team of experts is dedicated to helping you find the best CNC machine for your business.

## Industry Leading Products

The TRIDENT 6010's dual-purpose cutting head provides the versatility and precision necessary for creating high-quality signage.

The machine can be configured with multiple routing and knife tools, allowing for a wide range of cutting styles and techniques.

This feature is particularly useful for businesses that need to produce a variety of sign types, such as letters, logos and graphics. AXYZ is proud to offer the TRIDENT 6010 as part of a comprehensive line of CNC machines.



For those looking for a customisable solution, the AXYZ INFINITE router is available in a range of lengths and widths, allowing you to tailor the machine to your specific business needs. This machine is perfect for businesses that require flexibility and scalability as they grow.

Finally, the INNOVATOR router offers standard Option Ready Installation Packages, allowing you to expand the capabilities of your machine as your business grows.

With its advanced technology and cutting-edge features, this machine is the ultimate choice for businesses looking to take their operations to the next level.

So why wait? Join us at FESPA 2023 in Munich and discover the AXYZ difference for yourself. AXYZ looks forward to seeing customers old and new on Stand B2-C69.

For further information tel AXYZ on 01902 291 600.  
Visit <https://www.axyz.com>

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# A NEW CLASS ACT FROM MAKITA

**FOLLOWING** changes to the guidance on the control of dust from construction activities and in response to customer feed-back, Makita has launched its first battery-powered M-Class approved dust extractor.

This full sized 40L, cordless solution with both wet and dry functionality and the addition of Bluetooth connectivity for use with Makita's AWS tools for wireless power-on and power-off communication between the equipped tool and dust extractor, is part of Makita's powerful XGT battery platform – further enabling professionals to achieve a truly cordless job-site.

The new VC006GM 80VMax (40Vx2) brushless XGT M-Class dust extractor is the first in the manufacturer's line-up to be powered by Makita's innovative XGT battery technology.

The brushless motor is powered by two 40VMax XGT batteries in series to provide up to 350W of suction power and an airflow comparative to corded models, at an impressive 3.7m<sup>3</sup>/min.

Furthermore, the extractor can be used for both wet and dry applications – with a 30L and 40L capacity respectively.

Notably, the unit features Makita's Auto-start Wireless System (AWS), which uses Bluetooth for wireless communication between Makita's AWS-equipped tools and the dust extractor.

Once connected via AWS, the VC006GM will automatically power on or off when the connected cordless tool starts, or stops, running only when the tool is in use.

For added convenience and productivity, users can link up to 10 AWS tools to the VC006GM.

This technology not only saves time on-site by removing the need to plug-in each tool to the extraction unit, but also affords professionals

a safer and quieter work area, with no cord presenting a potential trip hazard.

As the machine is only activated when the tool is powered on, this also improves battery run times.

The VC006 will also run for several seconds after the trigger has been released on the connected tool, to pull any remaining material completely through the hose.

The machine's dual filters automatically self-clean during operation, to reduce clogging and enable the machine to continue to extract dust at the optimum rate.

For safety, the airflow sensor emits a warning sound if the flow is reduced by a clogged filter, or when the tank is nearing full capacity.

The robust machine is also compatible with Makita's Makpac system enabling tools to be securely stored on top of the dust extractor.

'We have introduced our new cordless M-Class dust extractor in response to overwhelming customer feed-back, as more and more professionals demand a full sized, M-Class approved extractor with all the functionality of a mains extractor with the additional benefits that cordless offers,' says marketing manager at Makita, Kevin Brannigan.

The 80VMax VC006GM M-Class dust extractors come with a number of accessories as standard including filter bag; floor and corner nozzles; a Ø28mm x 3.5m hose and Ø38mm x 2.5m hose and they are available to order now.

For further information tel Makita on 01908 211678.  
Visit [www.makitauk.com](http://www.makitauk.com).



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# THE OVVO RANGE OF AWARD-WINNING CONNECTORS KEEPS GROWING

OVVO continues to expand its range of wood joining connectors leading the way in furniture “tool-free” assembly components, making life easier for consumers and end-users, as well as delivering a more profitable and efficient solution for manufacturers.

OVVO products encompass a range of cleverly engineered, award-winning, invisible connectors that make joining wood simple.

The connectors are installed during the manufacturing process, so that the end-user can simply click/push together cabinets, shop fit-out components, door frame assemblies, or furniture without the need for tools, screws, or glues.

The result is an accessible, sustainable product that saves time, money and effort for consumers and manufacturers alike.

Manufacturers can also benefit from significantly reduced shipping costs, as items can be shipped flat-packed.

The latest addition to the OVVO product family is the incredible OVVO dowel (OD30), which is specifically designed to work in standard drill patterns.

The OD30 is inserted into the panel without any glue to form a permanent joint in 15mm panels and above.

These new connectors make it even easier for manufacturers to incorporate OVVO into their standard processes, saving time and money by eliminating glue and case clamping time.

No additional equipment, or capital is needed to deliver tool-free assembly products to customers and end users.

This new self clamping, glueless, invisible OVVO dowel (OD30) is designed for connecting cabinet parts and all types of furniture using standard drilled holes on both sides of the joint, thereby simplifying the panel processing operations, whilst continuing to provide all of the benefits of OVVOs’ proven tool-free assembly methodology.

Established in Ireland in 2014, the OVVO brand has gone from strength to strength, picking up numerous highly regarded industry awards along the way.

The company was most recently awarded the award for “Outstanding Furniture Accessories” at Interzum-Guangzhou in April 2023 for the innovative connection system.

The relentless quest to make life easier for people ensures that simplicity is at the heart of every new product: with each new product developed, the OVVO range has become more accessible to manufacturers, with the ability to be integrated into existing production processes and suitable for a wide range of production capabilities.

All OVVO connectors are designed for high-volume, automatic insertion, and ongoing partnerships with leading software



providers, such as Cabinet Vision, TopSolid, iFurn, Swood and Cabinet Sense to ensure that manufacturers can easily incorporate OVVO into their existing processes, as well as into new product design and development.

All OVVO connectors can be installed into a variety of materials ranging from high-quality hardwoods to low-grade particle board and the company’s recyclable plastic means that any waste is put back into the production of OVVO product.

OVVO works best in boards >12mm thickness and is available in a range of sizes to perfectly match various requirements.

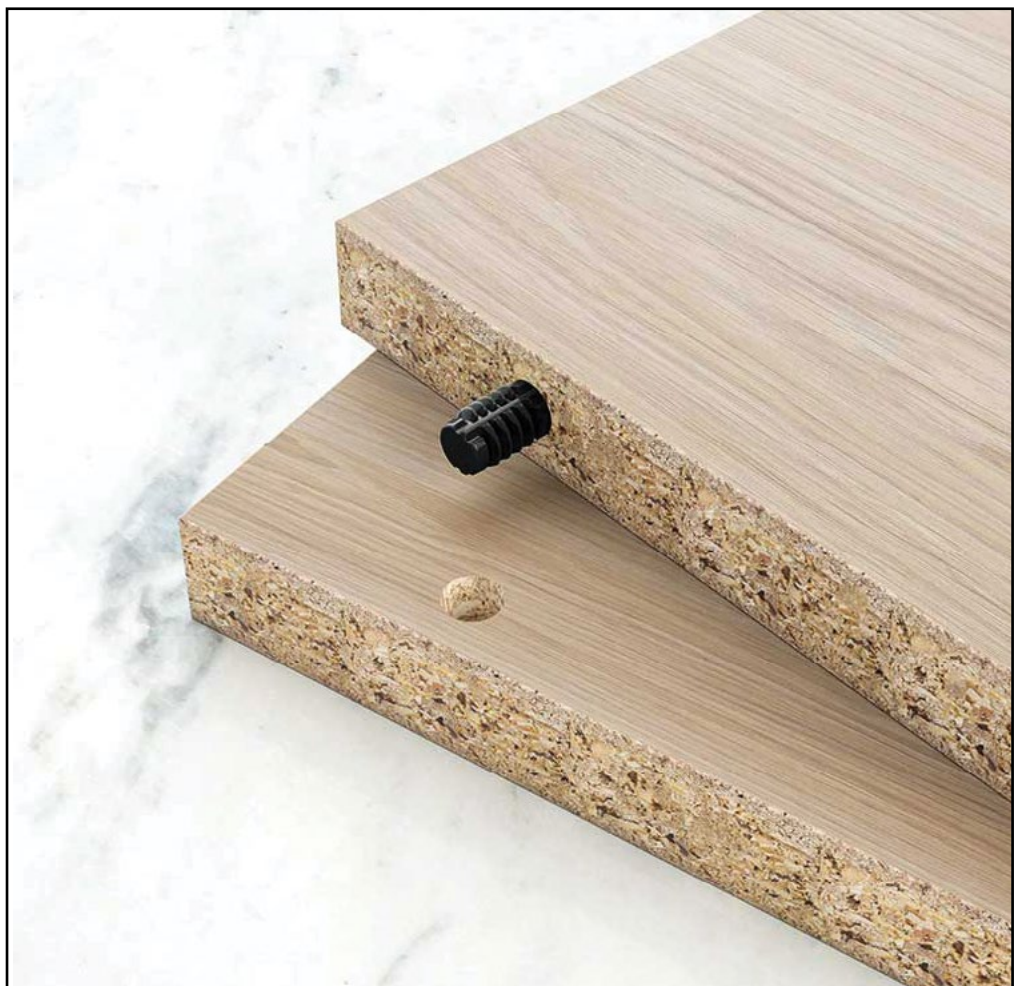
All connector sizes are available in both PERMANENT and RELEASABLE options, extending the range of materials and opportunities to inspire creative design and innovative development.

Consumer demands are shifting more and more towards convenience and sustainability. OVVO can help you meet those demands and give your products a competitive edge.

The OVVO team is on hand to support your switchover to OVVO and help you take the next step of innovation.

OVVO offers furniture assembly made simple – with no need for tools, glue or screws. Simply push, click and connect.

For further information the OVVO on 00 353 429 370 070  
Visit [www.ovvotech.com](http://www.ovvotech.com)



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# LIGNA

May 15 to 19, 2023

Hall 12  
Stand E30

Combined surface/thickness planer

# T32

## T32: Two in one

The T32 combined surface/thickness planer unites two important operations in one machine, saving space and budget. It offers maximum functionality in the smallest space. Short set-up times between operations make the T32 the ideal machine for users who have to contend with limited space but still expect solid performance from their machine. Whatever the requirements you have in your business, you'll find the perfect planer at MARTIN.



# MARTIN

[www.martin.info](http://www.martin.info)

### England and Wales

MWM Markfield Woodworking Machinery Ltd. – [www.mwmachinery.co.uk](http://www.mwmachinery.co.uk)

### Scotland

AWMS Engineering Ltd. – [www.awmsltd.co.uk](http://www.awmsltd.co.uk)

WS Woodmachinery – [www.wswoodmachinery.co.uk](http://www.wswoodmachinery.co.uk)

### Northern Ireland

Electro Tech Machinery Ltd. – [www.electrotechmachinery.com](http://www.electrotechmachinery.com)

### Republic of Ireland

HIGH-TECH MACHINERY Ltd. – [www.high-tech.ie](http://www.high-tech.ie)

# EXTRACTING THE IMPORTANCE OF DUST-FREE SANDING

OVER the past decade or so, there has been a significant change in the way tools have been made to meet the needs and requirements of the user. This has led to a large amount of investment in research and development by tool manufacturers to design and develop durable products that can deliver an efficient overall process and a high-quality finish on a variety of surfaces.

In addition, there has also been a focus on dust-free sanding, which Mirka has pioneered with the help of its innovative tools, abrasives and extraction systems that, when combined, provide users with a dust-free work environment.

Laboratory tests have shown that without dust extraction, dust in the air per kilogram of sanded material is over 200g/kg and dust on surrounding surfaces is almost 800g/kg.

These may not seem like large quantities, but when they accumulate over a long period, they could potentially turn into both a fire and health hazard for the business.

Extraction systems appear to take up a great deal of space, but dust particles can be a major health issue for employees and could possibly lead to respiratory problems. This is why more and more businesses, no matter their size, are investing in systems to allow them to work in a dust-free way.

However, investment in a suitable mobile extraction system is not a short-term injection of the business' cash, it should be viewed as a long-term commitment, so that it can provide an effective solution for a cleaner workspace, a reduction in prepping and tidying up at the end of the day and avoid potential dust contamination of other tools and surfaces.

In addition, Mirka knows that space on the workshop floor is at a premium, so to enable users to easily move and store all the items needed

to provide a dust-free sanding environment, it has introduced a modular trolley. The trolley provides the user with two major benefits.

The first is it is easily adaptable for the job at hand and any future jobs that the tools and abrasives might be used for.

The second is it provides the user with enough storage to ensure a tidy



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work area and reduces the need to go looking for items, as everything is one place.

Having a dust-free environment ensures control of the sanding process and allows for multiple work phases to be undertaken in the same room, delivering efficiency both for the business and in terms of tool usage.

The lack of dust also reduces the risk of “dust pills” and clogging, as the dust can no longer collect in lumps on the sanding discs to the same extent and there is no longer a danger that sanded dust will build up and create grooves on the sanding surface and fill up the disc reducing its sanding capacity.

This means that an abrasive, such as Abranet maintains its aggressive properties over the entire surface much longer than traditional paper materials that have long wilted and faded, making sanding more even and efficient.

#### Mirka's top tips to achieving a dust-free environment:

1. Ensure that tools and dust extractors are regularly serviced for optimum performance.
2. Make sure the fleece bag in the mobile extraction unit is not full and does not have any rips or holes. If it does, replace it.
3. Periodically remove and clean the motor filter. This can be done by placing it in a bag and gently knocking the dust out of the filter. Or better still, use another vacuum, or extractor to clean the filter. Once it is clean, replace the filter in the machine.
4. Make sure the seal between the tank and upper section of the extractor is clean and not damaged.

For further information visit [www.mirka.com](http://www.mirka.com)



# LIGNA RETURNS AFTER A LONG ABSENCE WITH OVER 1,100 EXHIBITORS TO APPEAR

**After a prolonged physical absence, the international furniture and woodworking community is scheduled to meet once again in Hannover.**

WITH more than 1,100 exhibitors: LIGNA 2023 will be open for business once again from May 15-19 2023 celebrating its return with a comprehensive overview of the furniture, woodworking and wood processing industry.

Despite everything that's currently going in the world, the organiser confirms LIGNA's status as the world's leading trade show with 105,000m<sup>2</sup> of exhibition space.

Global players and renowned companies from all over the world will be coming together to showcase tools, machinery and equipment, as well as Smart solutions and new technologies.

In addition to companies from Germany, firms from Italy, Austria, Turkey, Spain, China, Sweden, Slovenia, Denmark and the Netherlands account for the largest proportion of exhibitors by area.

The world's leading trade show for the woodworking trade has even been able to expand its exhibitor portfolio: this year, more than 180 first-time exhibitors intend to take advantage of the opportunities for business initiation and networking.

'LIGNA offers a unique overview of the entire value chain of the woodworking and wood processing industry. It is the premier international showcase for innovations and is the widely recognised stage for world firsts,' says chief executive officer of Deutsche Messe AG, Dr Jochen Köckler.

'We have been receiving a wave of euphoria from the community ever since planning began. The industry is looking forward to the face-to-face experience in Hannover,' adds Dr Köckler highlighting the importance of the event at the Ligna.Preview which took place back in February.

'At LIGNA 2023, visitors will meet exhibitors from different 44 countries. This is where trends are set and discussed that shape the

industry and point the way to the future,' adds Dr Jochen Köckler

## LIGNA focus topics move the industry

LIGNA 2023 will also live up to its role as a trendsetter in its choice of focus topics. The topic of digitisation is shaping the development of the industry and is a pre-requisite for production that is as resource-efficient as it is flexible.

Under the title "Woodworking Transformation", it is also receiving a great deal of attention at LIGNA, where visitors will be able to see how far the networking of machines, tools, components and materials has already gone and have the opportunity to be presented with all the latest innovations in the fields of robotics, automation and software.

The buzzwords will be "Smart", "Connected Factory", "Industry 4" and "Internet of Things" (IoT) and platforms will continue to become tangible at LIGNA with concrete examples.

On the way to an economy based on renewable resources, wood as the most important renewable raw material forms a central foundation. The wood-based bio-economy is considered an innovative technology driver.

The framework conditions for expanding resource-efficient wood use are part of the European Green Deal and pillars of a circular bio-economy. This is a development that will rightly be the focus of attention at LIGNA 2023.

On display will be development lines of the wood-based bio-economy and technological innovations for responsible use of natural resources, as well as process technologies for shaping chemically digested wood fibres.

Wood is also steadily gaining (or should that be re-asserting?) its importance as a recyclable building material in the construction industry.

The share of total construction volume accounted for by purely timber buildings and timber-mixed structures is growing continuously both



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nationally and globally.

Ligna reflects this industry trend in the focus topic “Prefab Building Processes”: as the increasing importance of timber construction also results in new requirements for technology and equipment.

At the Ligna.Preview, Bernd Oswald (GROPYUS) and Professor Achim Menges (University of Stuttgart) spoke on this topic, concluding that the construction industry needs a technology boost to produce in a contemporary and efficient manner - in pre-fabrication, as well as on the construction site.

At LIGNA, interested parties can discover suitable solutions and approaches that will determine the future of timber construction.

On-site and digital: Ligna.Stage, Guided Tours, Ligna.Recruiting & Ligna.Campus

The Ligna.Stage presents the live audience in Hall 12 with a varied forum program of solution - and user-oriented presentations and panel discussions along the Ligna focus topics, as well as recruiting and sustainability.

For those who cannot be present on site, the various program items will also be available as a stream live and on demand on the Ligna website.

Visitors can also look forward to the Guided Tours again – this year in a hybrid format. The tours offer a tailored overview of various topics.

In groups of up to 25 participants, interested parties will be guided to selected exhibitors and given exclusive presentations and live demonstrations directly on their stands.

Like the Ligna.Stage program, the Hybrid Guided Tours are available live and on-demand in streaming in English and German on the LIGNA website.

‘By streaming our additional formats, we want to make LIGNA and relevant industry developments accessible to those who can’t be there on site,’ says Ligna project manager, Stephanie Wagner.

‘Independent of location and time, we can thus extend Ligna’s appeal far beyond the event period,’ she adds.

In addition, a networking service is available to all event participants. The LIGNA ticket is a pre-requisite for access. After registering, visitors and exhibitors can activate the service via the LIGNA website and then receive contact suggestions and the opportunity to arrange appointments.

In view of the shortage of skilled workers and concerns about young talent, LIGNA also provides an overview of research, education and career opportunities in the woodworking and wood processing industry.

The Ligna.Campus provides information on education and training courses offered by universities, technical colleges and technical schools.



Teaching also presents current research projects.

At Ligna.Recruiting, potential employers can meet interested skilled personnel. A digital job wall allows companies – whether exhibitors, or visitors – to post attractive job offers. This offer can not only be viewed and accessed digitally at the recruiting area at LIGNA, but is supplemented by on-site opportunities for personal matchmaking between human resources and interested parties and by company pitches from participating companies.

#### One ticket, twice the business

Visitors will also benefit again this year from a special ticket co-operation: whether interzum (May 9-12, 2023, Cologne) or Ligna (May 15-19, 2023, Hannover) – the admission tickets for both trade fairs entitle the holder to visit the partner event in each case. This gives visitors an all-encompassing overview of furniture manufacturing and interior design, as well as the woodworking and wood processing industries.

#### Main focus of Ligna 2023

Ligna encompasses the entire value chain of the woodworking and wood processing industry and presents itself in a total of seven product segments:

- Tools & Machinery for Custom & Mass Production (Halls 11–15, 27).
- Surface Technology (Halls 16, 17).
- Wood Based Panel Production (Hall 26).
- Sawmill Technology (Hall 25).
- Energy from Wood (halls 25, 26, open-air site).
- Machine Components and Automation Technology (Hall 16).
- Machinery for Forestry, Roundwood & Sawn timber Production (open-air site, P32–35).

For further information visit [www.ligna.de](http://www.ligna.de)



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Email us at: [bill.willowe@gmail.com](mailto:bill.willowe@gmail.com)

## **SALVAMAC: I FEEL WOOD AT LIGNA**

IT IS no coincidence that the “motto” chosen by Salvamac for this busy season full of commitments and successes is “I feel wood”, a pay off that stands out on a colourful background and recalls a popular song.

A message full of vitality and optimism, aiming, first of all, to express the growth path of the Italian-Polish company which, over the last few weeks, is finalising the transfer of production to a new factory that will offer new and larger spaces both for the construction of machines and the set-up of a showroom dedicated to tests and demonstrations.

A growth that occurs also through new professionals, employees and technical-commercial staff joining the company. All of them play a crucial role in meeting the increasing demand both in many countries where Salvamac is operating and in new markets where it's going to expand.

A pay off that recalls also the feeling: a sensation that a material such as solid wood offers and the fundamental on which Salvamac has built its own mission, originating from the founders' – Christian Salvador and Ziemovit Dolkowski – almost 30 years' experience in this industry.

Ligna will be an opportunity to present the most recent achievements of Salvamac, starting from the new series of crosscutting saw machines, Legend: four models with blades of diameter 400mm, 500mm, 550mm and 600mm equipped with the tested Salvastop, the equipment of electronic positioning that transforms the Salvamac cut-off machines in true numerical-control cutting centres, thus making the operations, the available data for company software, equipments and printers for labels or barcode readers extremely simple and fast.

The family of “top of the ranges” is growing: the Salvacut 5000 – an optimising saw of high speed with electronic cutting and a handling that allows the optimisation of up to 3500 linear meters/hr is already on offer.

There is also the addition of the new Ultracut 7000, which will make its debut at Hannover. This is designed and produced particularly for heavy-duty jobs, for sawmills, for cutting of harder woods, for packaging and wherever there is a need to rely on the extreme strength and efficiency of cutting.

All this thanks to a blade of 700mm (at least) that ensures precise cuts on elements up to 450mm x 120mm of cutting section. At LIGNA you will not miss what it is defined as the “best buy” from Salvamac, the SalvaPush 2000, that will be equipped with specific aggregates, thus making it suitable for any type of use.



*The new Legend 500 cross-cut saw will be on show at LIGNA in Hall 27.*

Among the solutions from the Air & Painting department to be shown at LIGNA there is the new version of Voyager, the suction filter with filter cartridges of high capacity, comprised of a touch screen control for its use management with a special attention on energy saving, subject of a careful process of product engineering that makes it even more efficient and green.

The innovations and the evolution of Salvamac open up new horizons day by day: the company has always made relations, relationships between people, enormous potentialities inherent in creating network one of its own pillars.

Collaborations, partnerships, shares that today become a real set, a group of companies that co-operate together in order to ensure solid wood professionals having responses in 360 grades.

At LIGNA 2023, the brand WoodWe will be formally launched, a kind of umbrella term expressing the design of Salvamac and enhancing the collaborations with various companies committed in the world of solid wood, such as Incoplan in drying, Sia in the cleaning systems, Paoletti in bonding and jointing, Visionmek in the metallic framing, Awom and VF Group in industry services.

*For further information visit [www.salvamac.com](http://www.salvamac.com)*

**NEXT MONTH:  
INDUSTRIAL WOODWORKING & PANEL  
PROCESSING WILL BE REPORTING ON LIGNA,  
TOGETHER WITH ALL THE LATEST TECHNOLOGY  
TO BE FOUND AT THIS LEADING EVENT FOR  
EVERYONE INVOLVED IN THE INDUSTRY**



# IMA SCHELLING AT LIGNA - HIGHLY EFFICIENT SOLUTIONS FROM A SINGLE SOURCE

UNDER the motto WOOD Vibes, the IMA Schelling Group will be presenting its comprehensive solutions expertise in both woodworking and the panel processing industry at LIGNA. The two business units "Woodworking" and "Board" will be represented at the trade fair on two separate trade stands.



*Innovation at LIGNA: IMA Schelling has developed an automated handling system for its fh4 and fh5 panel-sizing saws.*



*IMA Schelling will be presenting the IMAGIC L1 drilling machine in combination with a handling robot at LIGNA.*

The combined sizing and edge-banding machine Combima, the highly flexible drilling machine IMAGIC L1 and the panel sizing saw fh5 with robot handling: will all be on show in Hall 12.

Visitors will be able to experience live three efficient, individually adaptable hi-tech machines for different types of wood processing. Also on show will be the new Aimi software developed by IMA Schelling, which is responsible for controlling and networking the machines, as well as the entire plant.

## Self-developed software

'The machines on show at LIGNA demonstrate our comprehensive system competence in wood processing,' says IMA Schelling Group sales director, Simon Waterbaer.

'Not only do we offer a comprehensive portfolio of highly developed machines but, with Aimi we also provide an end-to-end software solution that is ideally matched to the machines and which offers all the options for networking the machines and controlling the system,' adds Mr Waterbaer.

As further highlights, customers and visitors to the stand will be able to find out about the Combima's new insertion system, as well as the further developed robotic sorting cell, the hl1 high-performance unit for cutting and the new edge handling.

In addition, the specialist team of the consulting business unit will present its solutions for the woodworking industry and concepts for optimal production.

## Solutions for the panel industry

An overview of its technologies for conveying, lifting, sorting and storing boards will be presented by the Business Unit "Board" in Hall 26. With its intelligent and high-quality cutting, logistics and packaging solutions, the Business Unit addresses manufacturers in the fields of wood-fibre boards, plywood boards and solid wood boards, as well as board finishers.

Together with two regional partner companies from Austria, K n z Kranbau and LTW Intralogistics, IMA Schelling Board presents itself as an attractive partner for high-quality automation solutions in the panel-producing industry.

For further information tel the company on 01937 586 340.  
Visit [www.imaschelling.com](http://www.imaschelling.com)



# MARTIN AT LIGNA 2023: SUPPLYING INNOVATIVE CONTROL TECHNOLOGY FOR TRADE & INDUSTRY

## HALL 12 / STAND E30.

THE industry is making great strides towards LIGNA - the most important trade fair event of the year for the woodworking trade sector.

On a stand space of more than 400m<sup>2</sup>, Martin - the renowned Bavarian woodworking machinery manufacturer - will be presenting a host of premium machines to the international trade fair public.

Market leader, Martin will be presenting the complete range of sliding table saws, spindle moulders, thicknessers and surface planers, as well as the special sanding machine for wood window construction.

'We are very proud to be able to present our innovative, now patented ConnectControl control technology to visitors for the first time at LIGNA,' says marketing manager at Martin, Michael Mühldorfer.

'We are convinced that with this innovative concept of machine control we have once again given a noticeable innovative impetus to the entire industry,' adds Mr Mühldorfer.

The undisputed Martin highlight will be the Cloud-based, patented Connect-Control control concept that characterises the latest generation of sliding table saws and table milling machines from Martin.

With this multi-award-winning Martin invention, users receive a

uniquely designed, high-performance machine control system that not only opens up completely new horizons for the user in terms of machine operation, but also opens up the entire world of modern data exchange.

### New horizons for the workshop

The innovative, patented ConnectControl control system is available for the new T14 and T29 spindle moulders and the new T66 and T77 sliding table saws.

Thanks to the modular design of ConnectTouch, the permanently installed touch-screen control, ConnectPad, the Apple iPad, with the ConnectApp and the Cloud solution ConnectDrive, the customer has the option of upgrading, or downgrading the control of his machine at any time, even after purchase. This provides a comfortable level of investment security and flexibility.

The state-of-the-art in the operation of stationary standard woodworking machines is dominated by electronic controls that are permanently connected to the machine. The possibility of multi-functional use of the existing control electronics is not given.

These controls are only connected to the Internet in exceptional cases.

With ConnectControl, Martin is taking into account the increasing digitalisation of the working world, which is also unstoppable in the traditional trade. A central cornerstone here is communication.

Modern companies and their employees increasingly work with electronic work documents, i.e. tablets. On the one hand, because the tablet carries all relevant work documents, on the other hand, because it is a

... CONTINUED ON PAGE 20



*In the foreground is the Martin T45 - the well tried-and-tested T45 thickness/planer with the Martin T32 in the background.*





*The Martin T45 thickness planer - now in its new livery - is a well established and well renowned model in the Martin range of woodworking machinery.*



*The Q-FIN special sanding machine won the German Innovation Award in Gold and has literally ushered in a new era.*



*The Martin T14 spindle moulder ...  
The innovative, patented ConnectControl control system is  
available for the new T14 spindle moulder seen here.*



*Martin T29 spindle moulder will be on show at LIGNA.  
It is yet another example of the well-renowned range  
manufactured by the Bavarian specialist woodworking  
machinery specialist.*





*The Martin T54 surface planer is a sister model to the tried-and-tested T45 thickness/planer.*



*Pictured here, the T77 reaches up to 205mm cutting height.*

central means of modern communication in today's world.

## Smart operation

It made sense to take this development a step further and use the tablet as an extended machine control system. With the tablet, or the corresponding App, users have access to extensive extensions of the essential machine operation, which runs on the 7in touch screen permanently installed on the machine.

In addition, access to data centrally managed in the company, such as order data, or mould information, is ensured via the tablet, or the associated Cloud application.

Needless to say, every machine equipped with ConnectControl can be operated without a docked tablet, as well as without an on-line connection, but also without the possibility of communication to the "outside".

## Mobile extension

The intelligent combination of a mobile tablet and a 7in touch screen permanently installed on the machine enables the multi-level operating concept to provide efficient electronic support for the operator directly at the machine.

On the other hand, the tablet also ensures communication between the machine and the work preparation department, as well as between the machine and the construction site.

As the employee's central work device, the tablet ensures that work processes are perfectly organised even if changes occur that flow into the company from outside. Examples of this are changes, or rework that are necessary at short notice, which occur from time to time during an assembly operation.

Through the use of modern communication technology, these flow seamlessly to the machine - quickly and efficiently.

Neither outdated work instructions, nor obsolete drawings need to be exchanged; everyone has the current status directly at hand at all times.

By integrating modern technology directly into the machine operation, even the last hurdle of the information flow is taken.

## Award-winning technology of tomorrow - at Martin already today

The ConnectControl control concept has already received two awards. On the one hand, the innovative, successful design of the control structure was honoured with the German Design Award 2022.

Secondly, and the company is particularly proud of this, the innovations that were realised in this concept were also honoured with the German Innovation Award 2022.

## New machine design

Visitors can also look forward to the new, fresh design of the Martin machines. The entire range now comes in a modern, white colour.

## Complete range represented at the trade fair

'Our machines have long stood for woodworking at its best. Many functions that you may not even have thought about complete all models, from the entry-level class to our top models. They really leave nothing to be desired,' proclaims Michael Mühldorfer.

On the LIGNA stand, Martin will present the complete range. In addition to the two new spindle moulders - the T14 and T29 (both of which offer all the possibilities of digitalisation thanks to ConnectControl) the combined planer T32, which has been newly added to the range, will also be shown for the first time at LIGNA.

This planer will be accompanied by its "sisters", the tried-and-tested T45 thickness/planer and the T54 surface planer.

Thanks to ConnectControl, companies can now also make full use of the possibilities of digitalisation on the new T66 and T77 sliding table saws.

Both sliding table saws are already equipped with infinitely variable

*Thanks to the modular design of ConnectTouch, the permanently installed touch-screen control, ConnectPad, the Apple iPad, with the ConnectApp and the Cloud solution ConnectDrive, the customer has the option of upgrading, or downgrading the control of his machine at any time.*





## LIGNA PREVIEW... LIGNA PREVIEW... LIGNA PREVIEW...

speed control as standard, as are the table routers. The cutting height of the T66 is now 155mm with a 450mm saw blade, whereas the T77 reaches up to 205mm in terms of cutting height.

On the one hand, a T66 swivels on one side up to +46deg, whereas the T77 swivels even 47deg. Optionally, a T77 can also swivel on both sides from +47deg to -46deg.

### Q-FIN: Building windows without intermediate sanding

The Q-FIN special sanding machine, which won the German Innovation Award in Gold, has literally ushered in a new era.

This machine, which has been in use in numerous leading European window manufacturing companies since 2014, is now able to process the

glass neck in the quality finishing process in addition to the other main surfaces thanks to the chamfering unit shown for the first time at LIGNA.

Both the profiled scantling and the glass bead can now be prepared on all relevant surfaces in such a way that the resource-consuming intermediate grinding can be omitted.

'Be ready for a new era in wood window manufacturing and experience how quality finishing from Martin works, as will be clearly and amply demonstrated in Hannover in May,' concludes Mr Mühldorfer.

*For further information tel Martin on 00 49 8332 9110.*

*Visit [www.martin.info](http://www.martin.info)*



*THE combined planer T32, has been newly added to the Martin range. It will be shown for the first time at LIGNA.*



*The cutting height of the T66 is now 155mm with a 450mm saw blade, whereas the T77 reaches up to 205mm cutting height.*

To find all the latest news online go to [www.industrialwoodworking.co.uk](http://www.industrialwoodworking.co.uk)

Email us at: [bill.willowe@gmail.com](mailto:bill.willowe@gmail.com)

# PREMIER SHOWING OF NEW WEIMA SHREDDER AT LIGNA

THE popular WL 4 grinder from Weima is used worldwide in woodworking and processing companies and has been continuously improved over the past three decades.

At the long-awaited LIGNA 2023 trade fair, the shredding machine - a comprehensive technical update including modern design features - will be awaiting visitors to the show. Together with the compact C 150 briquette press, the focus will be on sustainable energy generation.

Companies wanting to make optimal use of residual wood and recycle it sustainably cannot do so without first shredding and compacting.

For more than 40 years Weima has been offering the appropriate machine solutions, including conveyor technology as a complete package

from a single source.

The proven single-shaft shredders are part of the basic equipment for many joinery workshops and for carpenters, furniture and interior designers, roofers, woodworkers, sawmills and, of course the woodworking industry in general.

The best known shredder is likely to be the WL 4, which has working width of 600mm with a rotor made of solid material, a manually changeable perforated screen to define the chip size and a generous feed hopper with free cutting function to prevent material bridging.

In addition, there is a gearbox specially developed by Weima, which ensures maximum availability and protection against unexpected shocks and vibrations caused by interfering materials. Thanks to its compact design, the grinder can be placed directly next to a machining centre, if required.

## Ready for the future

At Weima the attributes of durability and robustness are paramount. In order to ensure that the WL 4 remains well equipped for the future, the company has compressively revised the shredder's technology for LIGNA 2023.

The machine's base frame now features a significantly more robust design. This re-inforcement is noticeable in applications, such as multiples and, in addition, vibration has also been minimised.

Another innovation is the maintenance-free V-belt. The electro-mechanical drive will operate with even less wear and tear in the future, thus helping to reduce maintenance costs.

In order to increase energy efficiency, Weima has also improved the hydraulic unit - protected inside the machine- as well as optimising the PLC control unit.

Wood chips from waste wood can be burned in heating systems without any problem and thus used for energy purposes. Those wanting to obtain even more calorific value from their waste have the option of using briquettes.

Other advantages include a volume reduction of up to 80 per cent, higher resale values, a significant reduction in the risk of dust and explosion and energy-autonomous heat generation.

Weima's exhibited C 150 briquette press is an ideal compact machine for small- and medium-sized businesses. It turns wood shavings sawdust and dust into 50mm diameter round briquets. As with all Weima presses, compaction is achieved by hydraulic pressure alone. No adhesives, or binders are used.

*Visitors to LIGNA can experience residual wood at its best by visiting Weima in Hall 12 Stand D21.*

For further information  
Visit [www.weima.com](http://www.weima.com)





# WOOD CUTTING TOOL MANUFACTURING MADE EASY WITH ANCA TECHNOLOGY

## STAND A60 IN HALL 27

ANCA will be presenting the latest in machine, tooling, software and simulation solutions for flexible and cost-effective production of blades, round tools and PCD applications at LIGNA.

Anca is known to tool manufacturers for providing a large variety of solutions, from robust manufacturing of standard round tools to a range of specialist tools, all with the respective process equipment and automation.

Anca's machines, software and automation have been enhanced continuously, delivering technical expertise to a range of fields of application and industries.

Global visitors can experience what this means in the field of woodworking on the Anca stand

- A clever, cost-effective two-in-one solution for blades and round tools on the FX machine series.
- A hybrid electro discharge grinding machine (EDG series) with a high performance, process-controlled spark erosion generator.
- 'Anca's tailored woodworking solutions are efficient and cost-effective solutions for this specialist market. At LIGNA we are sharing how Anca's technology supports woodworking tool manufacturers with application flexibility,' says Anca's Europe general manager, Martin Winterstein.
- FX woodworking set-up allows for flexible production of blades and round tools
- On the affordable FX grinding machines, Anca has developed a solution that provides more flexibility and capability for unattended production of wood tools.
- Special tooling systems for FX5 and FX7 machines offer the ability to easily change automated production between woodworking profile blades, used to form skirting boards and architraves and solid round shank tools, such as routers and drills used in production of furniture and cabinetry.
- Two options for the work-holding are offered: a blade chuck to hold flat profile blades, or a PremierPlus collet chuck for holding round shank

tools. Both systems are actuated with the same pull stud mechanism, so switching between the two systems is performed in minutes.

- Anca completes the package with a suite of flexible and user-friendly software options to cover diverse tool production needs.
  - The blade grinding software includes blank and finished profile definition with DXF import, slice roughing for fast removal of bulk stock material before the final profile relief passes.
  - The compression router software gives complete flexibility to program up and down cut sections ensuring correct overlap on two or more flutes.
  - Standard end mill and drill software packages are easily adapted to wood cutting tool geometries including up and down cut spiral routers and drills.
- Profile software provides the scope to also manufacture brazed carbide profile routers.

Anca's EDG machine, Anca SparX Erosion Generator automatically detects PCD grade and delivers 30-50 per cent reduction in erosion Cycle time

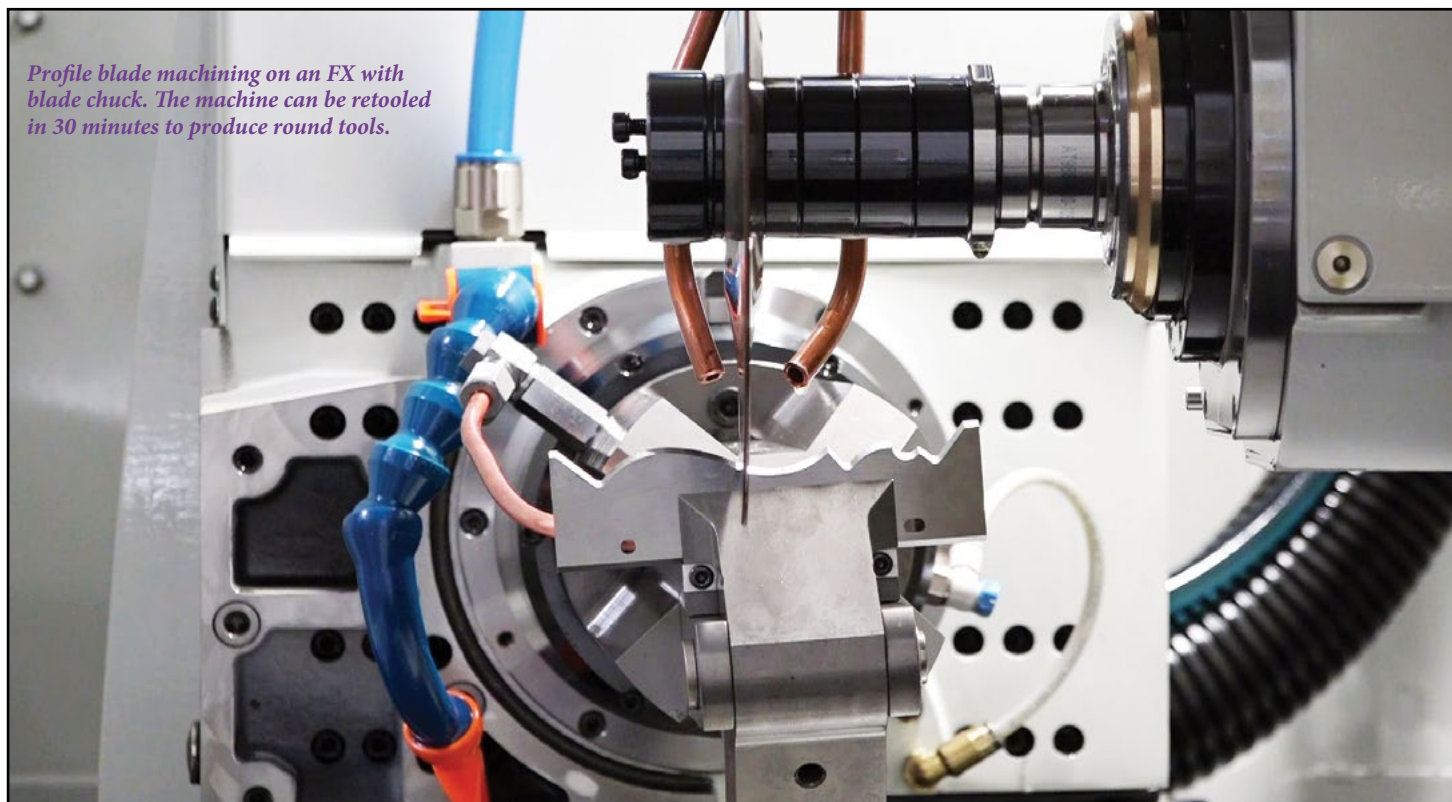
The advantages of PCD tools for wood applications are widely known: higher feed rates, longer tool life and resharping options, high edge and surface quality on the workpiece side provide cost and flexibility improvements.

Anca's EDG machine, with the new SparX erosion generator, Intelligent Adaptive Control (IAC) and Adaptive Spark Control (ASC), is designed for producing of a variety of helical and round PCD tools.

With the erosion generator's exceptionally high power range covering heavy roughing and fine finishing, the IAC enhancing erosion speed and surface finish by controlling the erosion gap, and the ASC optimising the energy level of each spark for stronger cutting edges, the EDG is a game changer.

For further information tel Anca on 00 49 620 184 669 14.  
Visit [www.anca.com](http://www.anca.com)

*Profile blade machining on an FX with blade chuck. The machine can be retooled in 30 minutes to produce round tools.*



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