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The magazine is published in a special format : 229 mm x 305 mm.

We report on all aspects of woodworking from board materials, wood treatment to machines, tools and technical know-how, from timber engineering supplies to the latest developments in technologies and markets.

Special features will be presented on design, surfaces, laminating and furniture.





Eric Schäfer

Editor

The times ...

... are changing.

This often becomes particularly visible in design aspects. What was considered modern yesterday often seems antiquated a short time later. The black-and-white ad on the left, is a good example of the advertising 20 years ago which was used in WiN to advertise the HOLZ-HANDWERK 2002 trade fair.

This summer sees the launch of the twentieth edition of the European Trade Fair for Machinery and Manufacturing Supplies. And also this time the WiN will accompany the HOLZ-HANDWERK editorially. First information on the novelties that await the visitors can be found in this WiN issue.

In the 40 years of its publication, WiN has kept its readers up to date on innovations and further developments in machine technology. Rarely has a machine line been as successful as HOMAG's first edge banding machine using the hot-cold application process. The machine made its first market appearance 60 years ago. Reason enough to dedicate a special article to the development history of this successful machine. You can read the first part of this story in this issue.

Constantly reinventing itself is part of the DNA of the decor industry. Similar to fashion, customers in the furniture and flooring industry expect new patterns, color combinations and trends every year to reflect the spirit of the times. This year, the color and pattern palette of trendy decors ranges from "Cinque Terre" to "outer space to deep sea." You can read what's behind them in this issue.

Sincerely,

Eric Schäfer

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WIN - WOODWORKING INTERNATIONAL ♦ 1/2002 **5**

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Two MDF plants to Vietnam

Headquartered in Ho Chi Minh City, the Vietnamese Kim Tin Group has commissioned DIEFFENBACHER to supply two MDF plants, with a combined production capacity of one million cubic meters per year, for its sites in Chon Thanh, Binh Phuoc province and Dau Giay, Dong Nai province. Kim Tin Group and DIEFFENBACHER signed the contracts on December 5, 2021.

Founded in 2000, Kim Tin Group has grown rapidly to become one of Vietnam's leading welding material manufacturers and is also active in the non-ferrous metals, mining and transportation industries. "We are now expanding our MDF production, with a total investment of 350 million US dollars," explained Kim Tin Group Chairman of the Board, Nguyen Tien Hai. "We think big and therefore decided to build two production lines at the same time. Having DIEFFENBACHER at our side, we feel more than well equipped for this challenge."

An essential part of the DIEFFENBACHER scope of supply will be the company's new digital platform EVORIS. "Using EVORIS will make Kim Tin Group one of the pioneers of digitalization in the wood-based panels industry," said Stefan Zipf, head of the Wood Business Unit at DIEFFENBACHER. "EVORIS is a browser-based system that gives manufacturers more insight into their production and processes. With its modular app structure, EVORIS is easy to extend and update. All apps use a modern, intuitive interface and can be securely operated from any mobile or desktop device within a plant's network."



3D rendering of Kim Tin Group's new DIEFFENBACHER MDF plant in Dau Giay, Vietnam

Nguyen Tien Hai explains, "EVORIS was a key factor in why we chose DIEFFENBACHER as our partner to expand our MDF business. We trust the DIEFFENBACHER people, its machines and technology. We always strive for the most modern solutions for our production sites and with EVORIS, we have found them at DIEFFENBACHER."

Kim Tin Group plans to produce the first board on its new MDF line in Chon Thanh in May 2023. Start-up of the plant in Dau Giay will follow in February 2024. Although the ink is only just dry on the contracts, the company is already planning further expansion. By 2025, Kim Tin Group intends to build additional plants in central and northern Vietnam.

www.dieffenbacher.de

Sales network in Canada strengthens

WEINIG HOLZ-HER Canada, a wholly-owned subsidiary of the WEINIG Group – the leading technology provider for the woodworking industry – is strengthening its sales network by acquiring long-time sales partner Machinerie Godin.

WEINIG HOLZ-HER Canada announces the acquisition of Machinerie Godin. Founded in 1989, the company had been a Weinig sales and service office in Quebec and the Maritime provinces for several decades. This strategic purchase will further strengthen customer support in Canada, as it allows even closer co-operation and expansion of sales efforts.

WEINIG HOLZ-HER Canada is headquartered in Laval, Quebec. The company is the sales and service office of the WEINIG Group, which has its headquarters in Germany. Its product portfolio includes a wide range of

stand-alone machines (from saws to planers, moulders, scanners and more). The group is also a leader in systems expertise and brings to market entire production lines for the woodworking industry. With HOLZ-HER, the group is also positioned as a specialist in the panel processing sector.

"This acquisition strengthens us as a partner for our customers who can rely on us in the long term," said Ken Ellston, Director of Sales and Service for WEINIG HOLZ-HER Canada. "We are very much looking forward to working even more closely with the trusted staff at Machinerie



Godin and expanding market share together," he added.

The acquisition became effective on 17 February 2022. Machinerie Godin will move from its current location in Lévis, Quebec, to WEINIG HOLZ-HER Canada's offices in Laval, Quebec.

www.weinig.com

Expansion at the Polish site

The machine and plant manufacturer IMA Schelling is expanding one of its four production sites worldwide. The reason for this is the ever-increasing demand from customers in the field of transport and handling technology. In Środa, Poland, additional jobs are being created and hall capacities doubled.

The increasing global demand for automation solutions for production machines makes it necessary to expand the site, which is located near the university city of Poznań. So far, the smallest machines of the Novimat series as well as smaller transports have been manufactured here. Production will be expanded accordingly to include additional transports and handling components. At the same time as the expansion, a restructuring of IMA Schelling's worldwide production network will also take place. "In the future, all of our manufacturing locations will concentrate on certain core competences and thus guarantee efficient value creation," explains COO Christoph Geiger.

Up to 40 new employees

The Polish location in Środa previously comprised a production hall of approx. 8,000 square metres. In the course of the expansion, the existing area will grow by almost 7,000 square. A new office complex is also planned, which will provide space for social rooms, design offices and workplaces for service technicians. The new buildings are scheduled to go into operation as early as autumn 2022. The number of employees, now 179, will be increased by about 40.



IMA Schelling Polska: The approximately 8,000 square metre hall in Środa is supplemented by one almost as large

More than one third of the total investment

The investment volume of the IMA Schelling Group in Poland amounts to about 6 million euros and thus makes up a not inconsiderable part of the group's total investment of 17 million euros. "The expansion is also to be understood as a clear commitment to our production site in Poland," emphasises Christoph Geiger.

In addition to Środa in Poland, the IMA Schelling Group also produces in Luebbecke/Germany, Schwarzach/Austria and Kechnec/Slovakia.

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Wintersteiger targets turnover of EUR 200 million

With its results for 2021, the international machinery and plant engineering group from Ried im Innkreis, Austria, is returning to growth and profit. "2020 was hard, 2021 was better, and 2022 will be really good!" These were the words that the Wintersteiger Management Board used to welcome employees to the hybrid town hall meeting on April 7, 2022, which was attended by around 500 colleagues on site in Ried and a further 600 at international sites via livestream.



After a pre-tax loss (EBT) in 2020 of just under EUR 10 million and a collapse in turnover of 26 %, the Group returned to growth in 2021 and reported a Group turnover of EUR 168 million as well as a pre-tax profit (EBT) of EUR 6 million. "It is important to stress that our cash flow and our EBITDA were always positive even during the crisis," highlights CFO Harold Kostka. CEO Dr. Florestan von Boxberg is convinced that, in spite of current procurement problems, Wintersteiger

will finally overcome the downturn caused by Coronavirus this year and exceed the EUR 200 million turnover threshold for the first time.

Wintersteiger used the crisis as an opportunity for company acquisitions and a product drive. The general importer for Norway and Sweden was acquired in 2021. At the start of 2022, a majority stake was acquired in a mechanical engineering company for the Division

Woodtech near Stuttgart, along with a minority stake in an IT company in Vienna. Last year the Divisions Seedmech and Woodtech also saw strong growth up to EUR 44 million (+38 %) and EUR 39 million (+18 %) respectively.

Strain was also placed on the result for 2020 due to restructuring costs in the Division Metals, which in 2021 developed to be the most profitable of the four divisions in relative terms due to a new orientation and strong positioning with electromobility suppliers as well clear internationalization. "In 2021 all of our divisions posted profits in spite of significant investments in the future", highlights Kostka.

In 2022, with turnovers of around EUR 50 million per division, Wintersteiger will reach a size that allows more independence. This was the argument the Management Board used when announcing the spin-off of the four divisions into independent companies, a production and supply chain limited company and the formation of a strategic holding as a major project for the current year.

www.wintersteiger.com

Piab Group acquires Joulin

Becomes the world leading automation company in the wood industry

Piab Group has entered into an agreement to acquire Joulin, a global leader of vacuum gripping solutions. Joulin has a total sales of approximately 15 Mio. EUR. With more than 60 years of history, Joulin adds a solid portfolio of products and solutions, highly experienced and skilled employees, a strong brand known for highest quality standards as well as many new customers to Piab. Through the acquisition, Piab is evolving automation by strengthening its position as a world leading automation company in the wood industry and a wide array of end-of-line applications such as palletizing.

www.piab.com



Wood and furniture industry technology



The year 2021 was really positive. This trend was reaffirmed by the Studies Office of Acimall, the association of Italian manufacturers of wood and furniture technology: production amounted to 2,530 million EUR, up by 36.9% compared to 2020, a year we would like to forget for many reasons, not only economic, and by 11.6% versus 2019.

Excellent results also for export, reaching 1,740 million EUR (plus 30.8% over 2020; plus 10.1% over 2019), with a domestic market showing signs of liveliness (790 million EUR, up by 52.5% over 2020 and 15.1% over 2019).

Import also increased, reaching 244 million EUR, 59.4% more than 2020 and 21.4% more than 2019.

According to tradition, driven by the strong propensity to export of Italian companies, the trade balance was also positive, with a value of 1,496 million EUR (plus 27.1% over 2020, plus 8.5% over 2019). Apparent consumption also increased: 1,034 million EUR, up by 54.1% over 2020 and 16.5% over 2019.

"The 2021 figures speak for themselves, showing that the technology industry has emerged from two difficult years, going back to pre-Covid levels", said Dario Corbetta, Acimall director. "State incentives have certainly played a key role, but they have not "altered" the market trend: the growth we are seeing now is not only driven by incentives (which have basically caused a concentration of investment decisions in a narrow timeframe), but also by a significant market rally that has brought business back to its normal development patterns".

"So, we want to reassure those who fear that the current trend is "doped" by the incen-

tives, and once this window of opportunity has closed, we will have to face a period of stagnating demand", Corbetta continued. "Such belief is supported by the economic figures of the early months of 2022, which clearly indicate a structural expansion of our industry, which is going to last".

Italian export

The consolidated figures of 2021 allow to draw more conclusions on Italian export, which increased compared to 2020 and 2019. Looking at the present situation, we can state that the Russia-Ukraine crisis has only caused a limited reduction of Italian export so far. Russia, Ukraine and Belarus together represent a small share of Italian export, approximately 5%, and the export flows to those countries seem to continue, though with a significant reduction.

Many woodworking machines are not listed in the "Dual Use" category of equipment that can be used to produce warfare materials, so they are not subject to the current embargo, while all spare parts are subject to constraints. At present, banking operations, despite some difficulties, have not been interrupted, with a few Russian institutes still working.

Looking at 2021 figures, we can draw a ranking of countries based on their interest in made-in-Italy wood and furniture technology. The list is not surprising, reaffirming the sta-

bility of the regions where Italian production is mostly appreciated.

The top position is taken by the United States (164.2 million EUR, plus 13.9% over 2020), followed by France (118.2 million, plus 10.3%) and Poland (110.6 million EUR, plus 34%). Germany is at number four in the list of "customer countries", with an expenditure of 106.3 million EUR on Italian machinery, up by 11% compared to 2020. Then come the United Kingdom (81.3 million, plus 56%), Spain (76.2 million, plus 62.3%), Russia (67.3 million, plus 102.4%) and China, placing orders in Italy for 60.1 million EUR, the only country in the top-ten list with a negative trend by 19%. The list is closed by Belgium (at number nine with 56.6 million EUR, plus 18.4%) and Austria (54.5 million, plus 36.6%).

In conclusion, we can say that all figures suggest that the positive trend is going to endure throughout this year, although supply chain disruptions and unpredictable events related to the Russia-Ukraine conflict and the development of the global Covid-19 pandemic might shuffle the cards once again.

"We are now looking forward to Xylexpo next October – Dario Corbetta concluded – which will be a great opportunity to check the health of our industry and the trend of international trade flows".

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Design prizes for REVEGO and AVENTOS HKi

Product innovations AVENTOS HKi and REVEGO by Blum have won the Red Dot Award 2022 for outstanding design. The unique pocket door system impressed the jury with its fully integrated technology and top quality design, and the AVENTOS HKi integrated lift system won the Red Dot: Best of the Best award. It can't get any better than that!

Austrian fittings specialist, Blum is delighted to report that not just one but two of its latest products have been presented with this year's Red Dot Award. After winning the German Design Award, REVEGO, the pocket system for revealing and concealing runs of fitted furniture, has gone on to win the next prestigious prize for its design excellence and fully integrated technology. And AVENTOS HKi, the new stay lift that is integrated in the cabinet side and blends seamlessly into furniture, has received the Red Dot: Best of the Best award for its pioneering design. This prize is presented to the very best entry in each category.

International jury impressed by the design of Blum products

The coveted Red Dot quality seal is presented by an international jury of 48 judges. The experts are tasked with assessing whether the products serve their purpose, are simple and intuitive to use, sustainable or durable and, obviously, appealing to the eye. All these criteria were met by both product innovations developed by the family-owned business.



REVEGO – the solution from Blum for concealing runs of kitchen units or entire living areas



reddot winner 2022
best of the best

AVENTOS HKi fits perfectly into the cabinet side and blends seamlessly into furniture



REVEGO – creating multifunctional spaces

Pocket systems by Blum offer completely new perspectives: the ability to quickly open up complete living areas when you need them, and simply close them off again when they are not in use, helps to create a homely atmosphere. REVEGO is a unique sliding door system for single and double door applications whose fittings have been fully integrated into the system. REVEGO can also be used in combination with standard cabinets thanks to defined pocket widths: REVEGO uno single door has a pocket width of 100 mm and REVEGO duo double door a pocket width of 150 mm. This provides great scope for the design of living areas throughout the home.

AVENTOS HKi – the integrated lift system

The latest lift system by Austrian fittings manufacturer, Blum is a true masterpiece of engineering. Developers have come up with an extremely slim construction that fits perfectly into cabinet sides with a thickness of 16 mm or more. Although the technology of AVENTOS HKi is seamlessly integrated into the furniture, the lift system boasts the top quality features you expect of Blum. Soft-close BLUMOTION ensures that wall cabinet fronts close softly and effortlessly, tried and tested 3-dimensional adjustment is possible from the front and cabinet fronts hold open in any position thanks to the variable stop. AVENTOS HKi offers the perfect chance to design without compromise.

www.blum.com

CATAS launches new website

Product certification in the spotlight

In recent years, the topic of product certification has become a priority in the wood-furniture sector: being able to guarantee that a table, a chair, a flooring, a coating, an armchair or a kitchen comply with precise standards that establish their functionality, security, origin, quality, sustainability is an essential value. A certificate that is the result of tests and controls is acquiring new importance in itself: not only a "license" that allows the manufacturer to take part in specific tenders or satisfy requirements, but a "sign", a mark, a document that certifies values and performance that can become a reason for choice for the end consumer.



It's been a long time since 1993 – the year in which Catas issued the first "CQA-Catas Quality Award", the tool to certify the low formaldehyde emissions of wood-based panels – and today Catas issues more than 180 different certifications, ranging from coating systems to gluelam beams, from raw materials to play-ground surfaces.

Although these documents are crucial in terms of the final quality of any product that reaches the end consumer, they have always expressed their value and their significance in "B2B", that is in the dealings between producers involved in the transition from raw materials to semi-finished and then to finished products.

"Things are rapidly changing and there are more and more incentives for us to work in the direction of the final consumer", commented Franco Bulian, director of Catas. "A trend that, if possible, further increases the value of our work, which becomes more and more a way to communicate to the final users the quality of what they are buying in a clear and effective way.

For some time we have also been working on the communication tools of the certifications issued for our clients, among whom, we would like to remind you, there are some of the

main industrial groups in the production and now also in the retail sector. I am referring to a restyling of our certification marks, which allows us to "speak" directly to the consumer or to those who purchase certified materials and to make the values of safety, quality and performance guaranteed by a third-party body of recognized authority in the sector immediately understood through a mark, the Catas Quality Award, the "Made in Italy by CATAS".

An important step for Catas, which now can see its vocation strongly expressed, finally speaking of quality, certifying values and truths throughout the whole supply chain, right up to the end consumer.

On the one hand, the ever-greater attention, competence and information of users have contributed to this transition. Users today can choose thanks to an infinite number of sources of information, among which, finding milestones or reliable and authoritative marks, is essential.

On the other hand, there is the universal awareness of companies that "certified quality" – at any level of the value creation process – is an indispensable element for accessing markets, demonstrating competence and expressing competitive advantages.

"A new time that is rapidly opening up new scenarios", Bulian concluded. "Over the years, we have defined and continue to "establish" new testing protocols – according to the most up-to-date and stringent standards – on the subject of sustainability, for example, to concretely demonstrate how many and what values are hidden behind this often-abused word".

Messages that must first and foremost be clear and unambiguous. It is no coincidence that Catas has chosen to invest in a new online showcase: the website cqa.catas.com will allow anyone who wishes to learn more about what is "behind and inside" the "Catas Quality Award" product certifications.

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Planning and automating with a system requires a great deal of intuition – tomorrow's manufacturers must already take this into account today

Hardly any other sector within the wood and plastics processing industries is currently exposed to such strong changes as the window and door sector. The market for construction elements has grown with the increasing construction boom of recent years and the demand for window and door systems remains high. However, a wide variety of factors, such as advancing climate change, the increased use of natural resources, rising construction costs, security concerns, design trends and functionality, are having an enormous impact on the demands that end consumers are making on their future living space. We could almost say that the benchmark for building or renovating a house is almost limitless high. But – what is the benefit of a building built according to the most modern aspects if the windows or doors available on the market are not at least as modern? Two main trends are apparent here and thus set the trend that manufacturing companies will have to take into account in the future with regard to their product range.

"Climate protection through sustainable and environmentally responsible building"

The protection of the earth's climate is more in focus today than ever before. The goal of replacing fossil fuels, reducing energy consumption in the home and increasing the use of natural raw materials is attributing a particularly important role to windows and doors in construction. Therefore, highly insulating window systems made of the renewable, sustainable frame material wood are becoming increasingly popular.

Weather extremes are apparently occurring more frequently, which is why the demands on window systems are increasing. In the future, future-oriented window and door systems will have to fulfil the highest technical properties,

such as resistance to wind load, impermeability to driving rain, air permeability or optimal thermal values. And all this with the highest ease of use, maximum safety and long material durability.

"Compact but nevertheless comfortable living space"

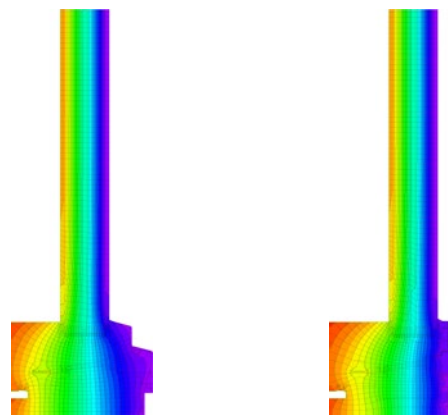
The trend towards space-saving construction, for example of so-called Tiny Houses, can currently be seen all over the world. Rising land and building costs, population concentration, alternative life planning or the low availability of building materials – the reasons for this building trend are manifold. The fact is, however, that the deliberately minimised use of space simultaneously places special demands on the functionality of windows and doors. Here, for

example, systems are required that do not additionally restrict the limited living space. Variable and flexible window and door systems, designed as sliding elements or as outward-opening constructions, or systems with particularly large glass clearances are not only very popular for this building trend.

The direction for windows and doors is therefore set and the market is beginning to change. And right now this can be a real dilemma. Increasingly, window and door manufacturers are asking themselves how the expectations of the market can be translated into suitable products and, even more importantly, into entrepreneurially successful production concepts. After all, it is not easy to give up tried-and-tested products and the associated successfully implemented processes. Apart from not insigni-



ClimaTrend Style from Leitz (shown here in wood and wood/aluminium versions) is a modular, future-proof window system. It combines modern, linear design with maximum functionality and security. (Photo: Leitz)



Climate protection through sustainable and environmentally conscious building. Highly insulating window and door systems made from sustainable raw materials are an important element in this. (Photo: Leitz)



ficant financial risks, it is primarily economic framework conditions, such as the situation on the labour market or scarce material resources, that make the ideal path to change so difficult to identify and challenging for so many people.

Solution approach 1: The future is a window system solution

Raw material, cost and price developments, skilled labour, control technology, machine and tool technologies – all these terms represent factors that influence a production plant. However, if several factors come into action at the same time, as for example in the case of a change in the product portfolio, entrepreneurial success is clearly at risk. One approach to a solution is therefore the use of tested systems. In the course of their development, all these factors have already been taken into account and, with a view to the long-term development of construction trends, such products last significantly longer on the market.

For example, in order to take into account the rising prices of raw materials and to ensure sustainable, cost-secure production, it is a question of the raw material for the customer product, i.e. the window and door systems themselves, on the one hand, and the materials required to manufacture it, on the other. Systems that allow for small face widths and thus manage with small material dimensions, such as the ClimaTrend Style window system from Leitz, therefore offer clear advantages. In addition, this externally tested system fully meets requirements such as high burglar resistance, maximum insulation and impermeability. ClimaTrend Style can be produced in various construction depths and as a timber and timber/aluminium system. Its modular design – which means that exactly the same basic profiles are used for timber and timber/aluminium constructions – guarantees the basis for more efficiency and thus less time and costs in production.

Solution approach 2: Efficiency through automation

The many different requirements for windows and doors can result in quite a large number of different systems. Implementing these successfully and economically within a production process is a particular challenge – especially with smaller batch sizes. The key to success in this regard is provided above all by high-performance machine concepts with a high degree of automation. The performance and production capacity of companies is thus ensured for years to come and processes become significantly leaner or less personnel-intensive. In times of acute shortage of skilled workers, this can be a

significant competitive advantage for manufacturing companies.

However, such modern machine concepts also require powerful tools to guarantee a highly efficient overall package. After all, it is the tool that has to implement the efficiency of the machine on the material. Therefore, the same applies here: The more powerful the tool, the higher the economic success in the overall process. Leitz provides the perfect solution in this area with its ProfilCut Q system series and sets the absolute benchmark in the industry in numerous comparisons. It is not only the fastest tool system in the industry in terms of productivity, topics such as resource conservation and sustainability were also taken into account during development. For example, the tools are equipped with specially coated knives. This keeps cutting material wear as low as possible and extends the tool life many times over. With the ProfilCut Q PLUS and ProfilCut Q Diamond systems, Leitz also provides resharpenable, constant-diameter and constant-profile tools that make tool changes even more cost- and time-saving. Leitz also provides a large range of coated solid carbide drills and routers, which are also characterised by durability and perfect machining quality.

Solution approach 3: Planning, planning and once again planning

When investing in modern production, the concrete planning of the products to be manufactured is often completely underestimated in advance. Questions such as "Who are my customers and what are their requirements?" are asked, but some producers ignore the fact that this also includes the definition of the profile systems required in each case, including the determination of which are the main systems and which window systems are needed to complement the programme in a meaningful way. In addition, the concrete sections including the presentation of all required profile variants must be planned and considered in advance. If questions then arise about the frequency of this multitude of variants, the confusion is usually complete. The good old principle "less is more" should come into use here – but how much less and how much more makes sense in the end overwhelms many planners again.

So if you plan as precisely as possible in advance, you will rarely experience unpleasant surprises during implementation and commissioning that cost time, nerves and additional money. Since in the rarest of cases there is an expert for mechanical engineering, software, tool technology and process engineering in every company, it makes sense to work together

with partners. Ideally, these should have a correspondingly professional network from all production-relevant areas and also have a lot of knowledge about the interaction of all functional areas. These networks of reliable, experienced partners are the guarantee for every joint project success and a trouble-free implementation of new production systems. Delays or even production downtimes can result in profound economic or even existential problems. Leitz, with its extensive network of technical consultants and its many years of international know-how, provides the perfect support in such decisive pre-project phases. Another important cornerstone of Leitz's far-reaching consulting expertise is the regular professional exchange with almost all major suppliers from the window and door industry, such as machine manufacturers, software houses, system houses or fittings, seals and lacquer manufacturers.

In addition, reliability is immensely important not only during the project phase, but also afterwards. Leitz provides a wide network of technical consultants and manufacturer-quality service in your vicinity.

Ensuring the long-term success of a company is therefore largely based on the choice of future-proof window and door systems in the product portfolio and on cost-effective production, even with small batch sizes, which can be achieved, among other things, through a high degree of automation.

www.leitz.org



ProfilCut Q Premium is the fastest profile tool system in the industry. The ability to combine disposable and resharpenable constant systems makes the ProfilCut Q tool family unique on the market. (Photo: Leitz)

New research project on MDF recycling launched

At the beginning of this year, the “AbiRec” research project funded by the German Federal Ministry for Economic Affairs and Climate Action saw its kick-off. The objective of the project is to develop a two-step recycling extraction process for the material utilisation of used wood.

MDF, which mostly consists of softwood fibres, is to serve as a model material. In order to avoid using MDF for energetic purposes at the end of its life, but rather recycle it, defibration for fibre recovery is essential from the very start.



Based on state-of-the-art technology, the fibres regained shall subsequently be extracted by way of hypercritical CO₂ extraction. Thereby, resin and fatty acids additionally contained in the fibres as well as hydrophobing agents applied in particleboard manufacture can be isolated. Resins and fats are also crucial secondary raw materials for the paints and varnishes industry, where they are applied in the manufacture of bonding agents, for example, to purposefully influence their properties, such as chemical resistance or gloss. The extracted wood fibres and hydrophobing agents made from them can, in their turn, be fed back into MDF manufacture again. In addition, the extraction is expected to remove part of the binders adhering to the fi-

bres and their fragments. This is also to increase the wettability of the fibres gained in comparison with non-post-treated recycled fibres and, at the same time, to decrease the emission that otherwise occurs due to the bonding agent residues and their fragments. Consequently, the fibres would gain in attractiveness for reuse in MDF manufacture or also in other applications, such as insulation materials.

As a result, a synergistic process for fibre recovery and CO₂-based extraction is to be established. Thus, several valuable materials (fibres, resins/fats/hydrophobing agents) will be generated from one component to be recycled (MDF) aiming at closing material cycles further.

www.ihd-dresden.de

Assembly commences at Wood Technology Co. (WOTECH)

Start clear for the “green product”

The “green product” of Wood Technology Co. (WOTECH) in Egypt has reached a central project milestone: In January 2022, the assembly of the MDF plant for the processing of rice straw, which the Egyptian company had ordered from Siempelkamp in 2020, began.

The new plant is considered an important step in Egypt’s government initiative to use rice straw in a value-adding, CO₂-reducing, and sustainable way. WOTECH, founded from companies in the Egyptian oil and gas industry, is taking on a pioneering role here and is positioning itself in the areas of environmental protection and resource efficiency with the new Siempelkamp plant at the Idku location near Alexandria.

WOTECH is building a complete plant in Idku with local supplies. The Siempelkamp Group is providing the essential scope of supply. Starting with the rice straw supply, this includes the secondary size-reduction, separation, conveyors, dosing units, refiner, dryer, energy plant, gluing, and sifter. The forming and press line is supplied with an 8’ x 48.7m ContiRoll®. The scope of the order also includes a cooling and stacking line, a sanding line, and a packaging line. Siempelkamp is also responsible for the overall planning.

“In the context of the pandemic-related impediments, we succeeded together with WOTECH in safely planning the MDF plant – this partly via digital media, which we used significantly for planning and plant design. Since the third quarter of 2021, personal contacts on site have been possible again, and we welcome the start of assembly, which could also take place on January 07 due to the pandemic,” says Roland Peltzer, senior project manager at Siempelkamp. Start-up is scheduled for the end of 2022.

The new MDF plant is designed for an annual production of 205,000 m³, the board spectrum covers 3 to 40mm. By using the annual plant rice straw, it opens up new perspectives for a raw material that would otherwise be largely incinerated as a waste product. It also closes the gaps caused by insufficient local wood resources. The panels produced primarily benefit the furniture industry in the local or Arab region. Here, the “green product” meets demand fed by changing consumer awareness. “These boards meet the demands of today’s generations, who are increasingly sensitive to environmental protection and sustainability in their purchasing behavior. Produced without formaldehyde and in a resource-efficient way, the board made of rice straw realizes reduced CO₂ emissions and thus – combined with Siempelkamp’s mature technology – is an ideal alternative to boards made of classic wood resources,” describes Jürgen Philipps, spokesperson for the management board of Siempelkamp Maschinen- und Anlagenbau GmbH.

www.siempelkamp.com



Circularity certified

World's first company to be awarded with the Circular Globe Label

The 118-year-old fastening specialist Raimund Beck KG from Mauerkirchen (Upper Austria) is the first company worldwide to receive the Circular Globe Label for circular economy. The label was developed by Quality Austria in cooperation with the Swiss Association for Quality and Management (SQS) and evaluates the entire system of a company for its circularity. On the product level, Beck was particularly convincing with LIGNOLOC®, the collated nail made of wood, and with nail screw fasteners called SCRAIL®, which combine the advantages of nails and screws.



Christian Beck, CEO & General Manager Beck, © BECK

Nails made of compressed wood

Two assessors of Quality Austria have examined the company from Mauerkirchen (Upper Austria), which is internationally known under the umbrella brand "Beck", regarding its circular economy. Birgit Gahleitner, Product Expert for Circular Economy at Quality Austria, was one of the two assessors: "At Beck, two techniques played a particularly important role in the assessment procedure at the product level: On the one hand, SCRAIL nail screw fasteners, which, like nails, are pneumatically shot into the material to be fastened with a pneumatic tool and later can be simply unscrewed again like screws. And on the other hand, nails made of compressed wood called LIGNOLOC®. Both products

contribute significantly to energy, material and time savings and thus provide ecological and economic advantages." In total, Beck offers different products for approx. 20 industries, ranging from construction and carpentry to the automotive industry, agriculture and gastronomy.

Circular economy is more than recycling

"Circularity must already be considered in the design, because about 80 per cent of the environmental impact of a product is determined in the design phase," emphasizes Axel Dick, Executive Vice President Business Development Environment and Energy, CSR, at Quality Austria. The essential factors include, for example, material efficiency, durability and recycling.



Birgit Gahleitner, Product Expert for Circular Economy at Quality Austria, © Fotostudio Eder

clability. "Unfortunately, the cliché still persists that recycling and circular economy are one and the same. In fact, recycling is only one part of the circular economy," explains the environmental expert.

www.beck-fastening.com

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www.hoecker-polytechnik.com

A clear commitment to the U.S. market

Vecoplan LLC, the North American subsidiary of Vecoplan AG in North Carolina, has opened an office and a technology centre in Eastvale, California. The "Vecoplan West" branch was inaugurated in mid-March and is yet another decisive step towards the Vecoplan Group's expansion.

Vecoplan LLC, with its headquarters in North Carolina, now has branches in Indiana and southern California, reinforcing the Vecoplan Group's goal of becoming an even more reliable and stronger partner for its customers. Employees at the Eastvale site will be responsible for sales, service and spare parts management. "Vecoplan West" also includes a modern technology centre. "The high acceptance level and great success of our modern test centre for shredding technology at our German headquar-

ters in Bad Marienberg prompted us to invest in a test centre for the new U.S. branch," says Michael Lambert, Chief Financial Officer (CFO) of the Vecoplan Group. "Nothing convinces potential customers more than a proof of concept, when they can actually see the optimal configuration of a shredder adapted to their specific requirements."

At the inauguration ceremony, the new team demonstrated plastics, wood, and paper



This branch is yet another consistent step towards the expansion of the Vecoplan Group.

shredding to customers, suppliers, distributors, and interested parties. The guests also toured the facilities and the new site. "The opening of this branch is yet another example of our clear commitment to the U.S. market and the successful business of Vecoplan LLC," said Werner Berens, Chief Executive Officer (CEO) of the Vecoplan Group, at the event. "This new site brings us closer to our customers in this important region."

www.vecoplan.de

SAFETY

New, patented optical detector system for increased safety in fire prevention

A true all-rounder

The U.S. Patent and Trademark Office grants Fagus-GreCon the patent for a novel optical detector that identifies dangerous ignition sources (U.S. Patent No. US11199441B2). Fagus-GreCon, the leading provider of fire prevention systems, thereby reinforces its role as a technological leader in fire prevention. The company's innovative optical detector is a key prerequisite for further strengthening the interconnection of fire prevention, production reliability and quality assurance.

A powerful trio

Thanks to Fagus-GreCon's recently patented optical detector system, spark detectors are becoming even more reliable, as they can now be customised to the requirements at the installation site with more precision than ever before. This is made possible by multi-sensor technology which has been integrated in the optical detector to capture signals from the infrared radiation spectrum. GreCon IDT®, Fagus-GreCon's intelligent detector technology processes the signals generated in this way and causes the desired reaction within a matter of milliseconds

Reduction of unwanted false alarms

A spark detector featuring this design performs perfectly when it comes to the detec-

tion of all types of ignition sources while at the same time reducing false alarms. This is made possible as IDT® uses, for example, separately captured extraneous light to automatically enable and disable sensors which are sensitive to light that comes from external light sources. Thus, the detector is able to differentiate between dangerous ignition sources and influences from extraneous light. Undesired extinguishing processes triggered by false alarms are thus reduced.

Detection of sparks, glowing embers and hot, non-smouldering particles

The patented optical detector system and IDT® make their debut in the intelligent GreCon DLD 1/9 spark detector. This individually parameterisable and VdS-certified detector performs perfectly when it comes to the identification of all types of ignition sources in all environments. Equipped with IDT®, Fagus-GreCon's intelligent detection technology, it can be used in challenging environments with and without incidence of extraneous light. What is more, the DLD 1/9 is able to identify sparks, glowing embers and hot, non-smouldering particles in high-temperature processes.

Its functionality is continuously monitored and on a regular basis the sensitivity of the sensors used is automatically tested. While typical areas of application include drop chutes, mechanical conveyors and pneumatic conveyor pipes, the detector can also be used next to inspection hatches.

Prerequisite for predictive maintenance

Together with Fagus-GreCon's intelligent detector technology, IDT®, the patented optical detector system with built-in multi-sensor technology lays the foundation for further enhancing the interconnection of fire prevention, production reliability and quality assurance.

Intelligent multi-sensor technology – integrated both in the detector and, in the future, in the extinguishing system – provides valuable data that is increasingly being used to control production processes. Dr Michael Mehlhorn, director of Fagus-GreCon's fire prevention R&D department, predicts that smart technology of this type will make predictive maintenance possible in the near future also in safety-relevant systems, such as spark extinguishing systems, thus making an important contribution to more efficient resource management.

www.fagus-grecon.com

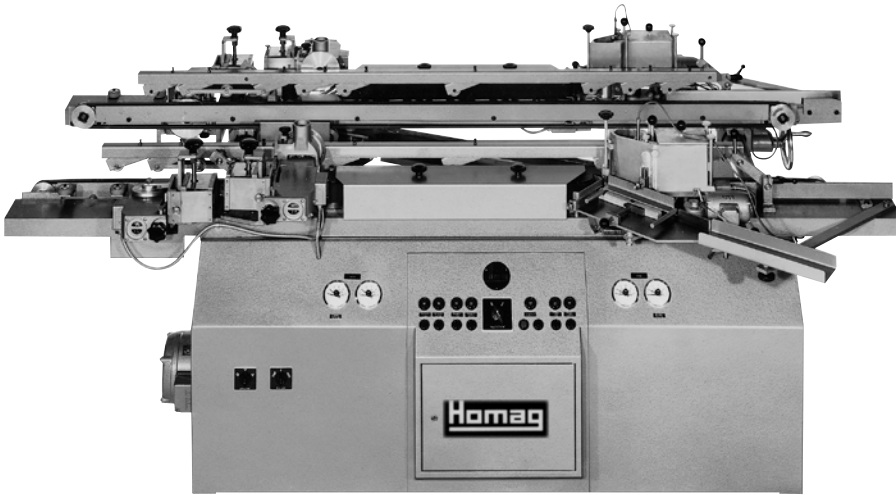


GreCon DLD 1/9 – patented optical detector system combined with intelligent detection technology GreCon IDT®

60 years of HOMAG edge banding machines

Part 1

The HOMAG Group is celebrating a birthday: 60 years ago, the company from Schopfloch in Germany launched the first throughfeed edge banding machine using the hot-cold application process onto the market. The machine was an immediate hit. What followed over the years was a constant series of innovations and further developments that have allowed HOMAG to regularly prove itself as a pioneer and technology leader in edge banding right up to the present day.



In 1962, edge banding revolutionized: the first edge banding machine using the hot-cold process

The HOMAG Group is the world's leading manufacturer of machines and systems for the panel-processing wood and furniture industry. With this diverse and wide range of products, the group has also established itself strongly in the woodworking shops sector and plays a leading role in timber house construction. As a global player, the HOMAG Group is present in more than 60 countries and has a market share of more than 30%. The group offers solutions precisely tailored to the customer for furniture and component production, as well as for timber house construction – from individual machines through production lines to complete factory systems. Comprehensive services in the area of machines and systems complete the product range, which is carefully graded in terms of breadth, complexity and performance.

Hitting milestones from the very beginning

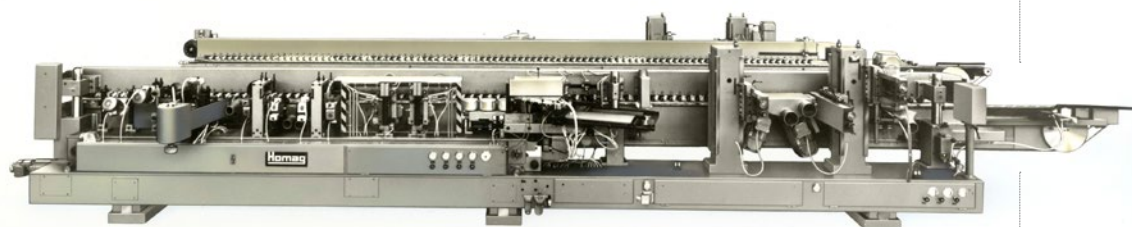
For 60 years, the product range for the panel-processing wood and furniture industry, which covers the entire process chain of customers, has also included systems for edge banding. To this very day, HOMAG has repeatedly proven itself to be a pioneer in new processes and a technology leader in this segment. For example, in 1962, just two years after the company was founded, it registered a patent for the KH 2/18, the first automatic edge banding machine – a series machine with

veneer strip magazine, gluing unit, pressure zone and flush trimming unit. This technology was to become the starting point for almost all further developments by HOMAG in this segment. In the same year, 1962, at the Hanover trade fair, the company showed a new type of edge banding machine using the hot-cold process. In comparison to the competition, this machine allowed edges to be glued much faster and more economically. This was a revolution. "As a result, the favorable price-performance ratio led to immense demand, meaning that from 1962, HOMAG concentrated entirely on the production and further development of this gluing technology," explains Dr. Sergej Schwarz, member of the board. "The process was driven in particular by an innovative glue technology: hot-melt glue."

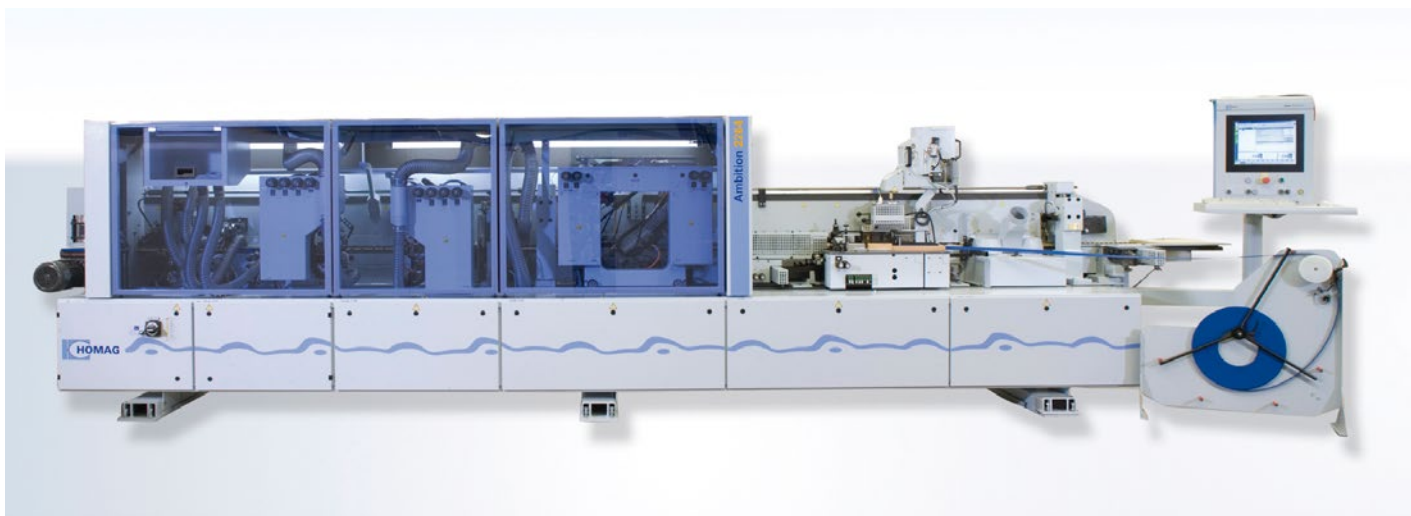
In 1965, HOMAG was able to present a further double-sided edge banding machine with a new base frame and width adjustment device. Following this, in 1967, the company developed the first single-sided edge banding machine: the KH 12. The subsequent further developments for precise workpiece transport would soon allow for sizing units to be arranged in the infeed area of the machine. "With the KF, another milestone in furniture production was thus reached: the first combined sizing and edge banding machine," emphasizes Matthias Volm, Senior Director Product Development. "The KF 60 was a particularly successful model in furniture production. This machine, which was originally designed for edge banding and flush trimming, was soon able to use snipping and sanding units." Today, up to 15 units are installed on these types of machines, allowing workpieces to be processed in a way that makes them ready for installation.

In order to be able to offer a suitable edge banding machine to smaller furniture companies in the future as well, in 1973, HOMAG designed the KH 10–13 series. Even then, the machines were offered with two different gluing stations to allow coil material, solid edges and pre-coated edges to be processed. Two years later, at Ligna 1975 trade fair, HOMAG presented the cold-glue activation process to the experts for the first time – a technology for edge gluing with PVAC glue.

In 1976, a majority stake was acquired in Heinrich Brandt Maschinenbau GmbH, which



The KF 60 combined sizing and edge banding machine quickly became a successful model in furniture production in the 1970s



With six Ambition series, from 2009, HOMAG and BRANDT offered a complete range of machines from the entry-level model to industrial production. Shown here is an Ambition 2264

later became BRANDT Kantentechnik GmbH, a company that also built edge banding machines and that had also made a name for itself by working with pre-coated edges. This strengthened not only the market position of HOMAG in the woodworking shops sector, but also its presence in the center of the German furniture industry, in North Rhine-Westphalia.

In 1982, a new generation of edge banding machines, the KL 70, was shown at the trade fair for the wood craft in Munich. Fundamental innovations in construction, versatility and work safety were implemented in these machines. "A decisive innovation here was the mechanical air-supported chip removal, which was integrated into the stand and reduced the suction power needed until then by 70 %," reports Christian Schürle, Senior Director Product Management. The machine was further developed to become, for example, the KL 70 Optimat in 1995.

One thing followed another

"In 1999, with the powerLine series, a range of double-sided machines designed for series production, HOMAG once again managed to move into a new performance class," emphasizes Achim Homeier, Senior Director Global Marketing & Product Management. "The goal of the powerLine program – a 50 % increase in performance at only 30 % additional costs – was achieved through higher feed speeds, shorter gaps and changeover times, and longer availability." Small series production and individual production became more and more important in the following years, so in 2001, HOMAG presented a new, highly automated generation of the powerLine series for batch size 1 production.

In 2004, with its first solutions for the edging of lightweight panels, HOMAG responded

to the growing importance of the use of lightweight panels in the furniture industry as well as batch size 1 production. Since then, the group has offered machines and systems not only for the production of lightweight panels, but also for the further processing and edging of such panels.

Once again, HOMAG was able to celebrate a world premiere at Ligna 2009: the Ambition series of edge banding machines was launched on the market in the form of six series from BRANDT and HOMAG. "The basic version of the series already covered more than 90 % of all applications in industry and woodworking shops," emphasizes Christian Schürle. In 2014, the next generation of the Ambition series followed, with new unit technology and models in various performance classes. Among the new features of the machines was the airTec technology, which had already become established. From 2016, users then had access to an Ambition 2482, which, as an all-round edge cell, was equipped with a TFU 521 edition return conveyor and a destacking station.

A new age in edge processing

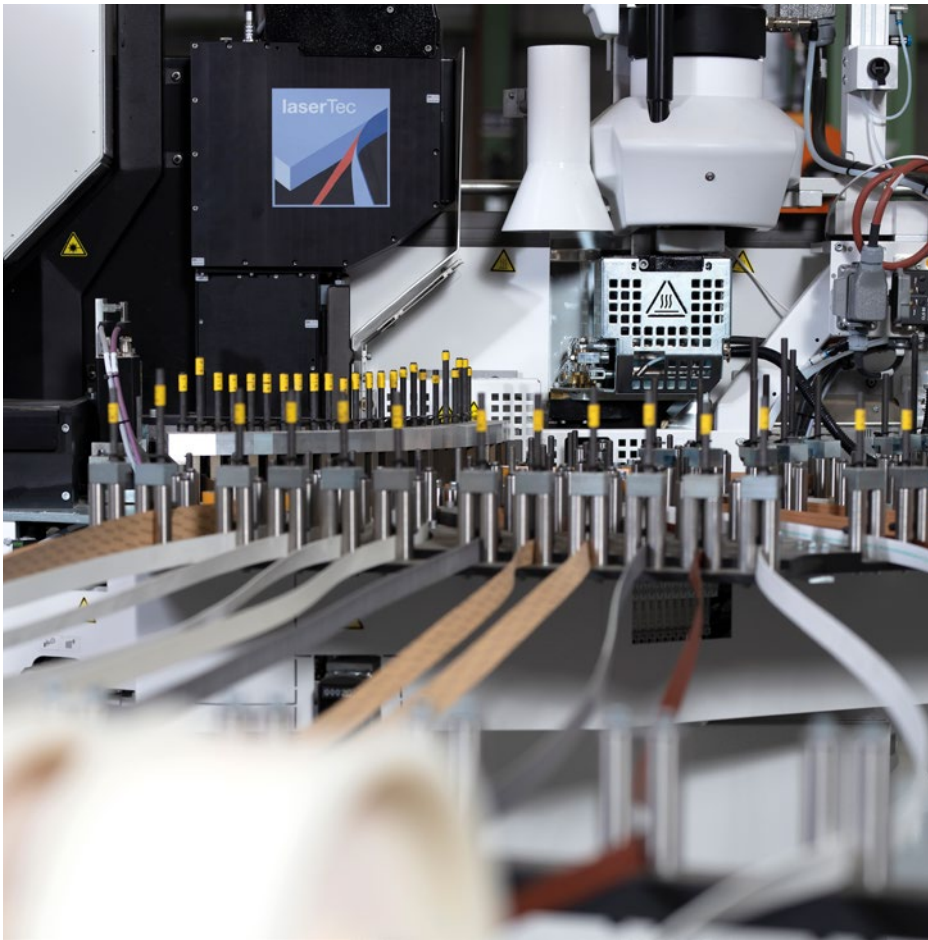
"The presentation of the laserTec process, which was intended to herald a new age in edge application, was the most important feature of Ligna 2009," stresses Matthias Volm. "By using a laser beam to melt the surface to be glued and then pressing it directly onto the workpiece, the process guarantees a consistently high processing quality with almost no joints. What's more, laserTec can be used to process all standard edge types such as PVC, ABS, PP, PMMA, veneer or melamine." In 2010, the technology was first made available to woodworking shops, to then become established for use on processing centers in 2011. The next step in the laserTec process was marked by Ligna 2017, "where

the more robust, smaller and performance-optimized successor generation was handed over to the user with laserTec Next Generation," says Matthias Volm. The unit was now available in two performance classes and offered the industry zero joint edge quality in both batch size 1 production and series production.

In 2013, airTec was launched on the market for invisible joints tailored to the needs of woodworking shops. "A process in which the edge and panel are connected by hot air," explains Christian Schürle. "Special edges consisting of a decorative layer and a functional layer are used. The functional layer is melted at a constant temperature and constant volume flow and securely connected to the narrow surface." Since 2016, the airTec unit has been available with a rotation air heater, which has made it quieter and even more powerful. In 2017, the process was established in door production, therefore allowing the manufacture of optical zero joints with ABS/PP edge material.

One brand, one logo

The year 2017 was to become a very special one for the HOMAG Group and all its companies: From that point on, under the motto "ONE" HOMAG, there was only the HOMAG brand and one logo. "This also applied to the edge banding machines from BRANDT Kantentechnik, which, as a specialist for the entry-level segment, had been a 100 % subsidiary of HOMAG since 2012 and is now called HOMAG Kantentechnik," emphasizes Dr Sergej Schwarz. "Since 2017, the plants within the HOMAG Group have therefore been working as an international production association with uniform standards, methods and processes. Since then, products have been built in a much more modular way. And the customer gets everything from a single source."



In 2009, the laserTec process ushered in a new age in edge application. Since then, it has often been used in combination, for example with PUR technology

In the years following this consolidation, the group presented a whole series of new machine generations that covered the entire process chain and combined a new functional design with a new name. From that point on, the edge banding machines bore the name EDGETEQ and the technology continued to develop step by step: for example, in **2018**, the entry-level EDGETEQ S-200 machine, model 1130 FC, was launched on the market, followed by the new EDGETEQ S-500 and EDGETEQ S-800 series. In **2021**, the company kept up with the market development toward autonomous, automated production systems by introducing an advanced concept. At Live.HOMAG, the company unveiled two cell solutions with edge banding machines: an EDGETEQ S-380 with LOOPTEQ O-300 return conveyor, ideal for the production of construction elements, and an EDGETEQ S-500 with LOOPTEQ O-600 return conveyor and a new workpiece infeed system for workpieces requiring a particular sizing accuracy. HOMAG also presented a double-end tenoner that can be used to produce furniture elements that are assembled using a click system with the Threespine furniture-click technology from the Swedish company VÄLINGE.

If necessary, the units for the furniture click system can also be integrated directly into edge banding machines in the future.

www.homag.com

Success stories

When it was introduced 60 years ago, the first HOMAG edge banding machine was not only the starting point of the HOMAG Group success story, but also an important milestone for many HOMAG customers. For this reason, we are now embarking on a search far and wide for these very stories, and for the most experienced machines.

HOMAG invites companies who have a HOMAG or BRANDT edge banding machine in operation that has been in use for a particularly long time to contact us directly with a picture of the machine, preferably with employees included in the photo, and a few sentences about what they particularly appreciate about their machine. Also, a picture of the machine information plate should be included.

The anniversary email address is: 60years.edgebanding@homag.com. The winners will be invited to the company headquarters in Schopfloch, Germany, for a tour of the plant, an individual overview of the current machine program and the presentation of a surprise gift. Of course, HOMAG will cover the costs for travel to and from the event and overnight accommodation. For the award-winning machines, there is also a free inspection.

The closing date for entries: 2022/07/31.



Entry-level machines with comprehensive equipment: the EDGETEQ S-200 series

International Mass Timber Conference

The latest “XL” machines for multi-storey buildings

SCM, global leader in technologies for wood machining, once again presented its vision for the future of green buildings at the International Mass Timber Conference. The edition, scheduled for 12 to 14 April 2022 in Portland, was heavily focused on environmental sustainability and zero-impact construction, which are increasingly driving the growth in the timber construction market in North America and Europe.



SCM OIKOS XL

In the United States and Canada in particular, there has been an increase in the number of multi-storey buildings in wood, both for private and public buildings. This has also been due to

the implementation by many states of the new International Building Code (IBC2021), that allows to realize wood buildings up to 18 storeys high. The trend of the sector is very positive,

both for the use of mass timber, where it is expected on average a doubling of the number of projects every two years, as well as of other materials such as large format CLT (cross-laminated timber), GLT (glue laminated timber) for large beams and columns, and DLT (dowelled laminated timber) or NLT (nailed laminated timber), in particular for flooring.



SCM AREA XL

In light of the trend, the SCM team provided its contribution in terms of know-how and innovation, by illustrating its cutting edge cnc machining centres for specific production requirements. There is the OIKOS XL, designed and manufactured for Glulam beams and columns with a section up to 1250 × 610 mm and the AREA XL, dedicated to large format CLT panels and curved beams with sections up to 3600 × 400 mm.

The International Mass Timber Conference will mark the debut of SCM's new commercial partner Randek, the Swedish company known throughout the world for its high-performance innovative technologies for prefabricated houses. This global collaboration was established to offer the market the widest range



The unique feature remains the 6-axis technology, which allows the machining on all six faces of the element and with all tools available, with no rotation or repositioning required.

Power and flexibility go hand in hand with great quality of the finished elements, that are characterized by perfect surfaces and are ready for assembly on site, thanks to machining accuracy and special anti-scraping devices.

AREA XL: today's state of the art technology to build the future

AREA XL is the 5-axis CNC machining centre designed and manufactured by SCM for the industrial production of large format CLT panels. This solution, which represents an evolution of the renowned AREA model, has been developed to meet the requirements of companies looking for high productivity, accuracy and reliability. The processing of large format CLT panels is characterized by heavy duty stock removal, process automation, as well as maximum cleaning of the work area: The new AREA XL has been designed taking into consideration these specific requirements. With this machining centre, size and thickness of the CLT panels are no longer a problem. Elements up to $16,000 \times 3,600 \times 400$ mm can be processed, thanks to a high-power operating unit: 63 kW in continuous service.

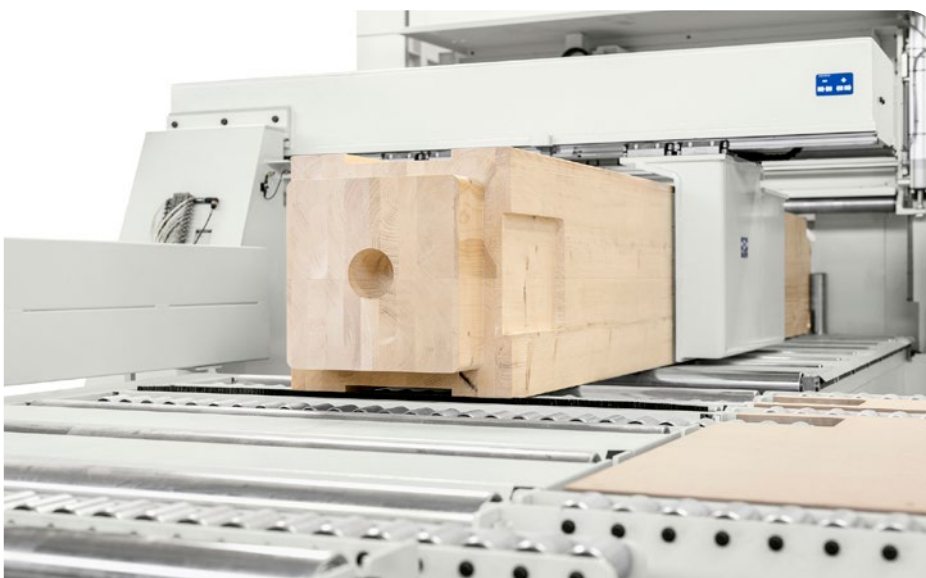
The overall productivity can further be increased by adding a second operating unit, to perform specific operations in parallel with the first one. Another plus of the machine is the possibility to perform transversal throughfeed-drilling even on the maximum panel size with optional auxiliary units.

of solutions for structural beams, X-lam/CLT and prefabricated building elements.

OIKOS XL: the clear advantage for timber construction

OIKOS XL is the new "extra-large" version of OIKOS X, SCM's innovative 6-axis CNC machining centre for the timber building industry. The new OIKOS XL model is designed and manufactured to produce large-sized glulam beams and columns with a maximum section of $1,250 \times 610$ mm.

One of its main advantages is the automatic management and processing of very heavy elements, thanks to a sturdy mechanical structure and reliable locking and handling systems.



Moreover, AREA XL offers up to 60 tool stations, including two sawblades for each operating unit. The operator's work is made even easier, thanks to the automatic workpiece handling and positioning systems and innovative cleaning systems. And last but not least, AREA XL also allows to work in total safety, thanks to the full enclosure and a protected access system to the work area through laser barriers.

Randek technologies in the spotlight

Randek are pioneers in creating innovative automation solutions for customers within the prefabricated house manufacturing industry and have developed and manufactured high performance machines and systems for prefabrication of walls, floors, ceiling, roof trusses, cut saws, butterfly turning tables and specialized machinery since the 1940s.

Today Randek is one of the world's leading suppliers of high-performance machines and complete systems for effective house manufacturing.

www.scmgroup.com



Individually customisable systems for thin board cutting

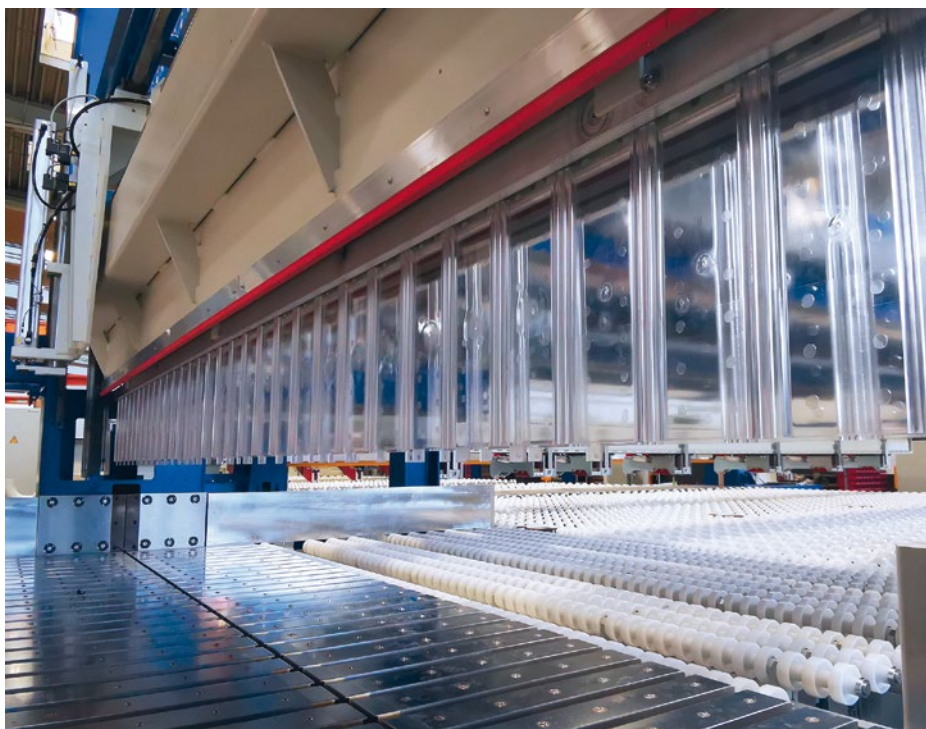
The best solution for every job

Through its Board business unit, IMA Schelling equips large board factories with tailor-made processing systems. IMA Schelling Board also offers solutions for the special requirements of thin board cutting.

IMA Schelling configures complete systems for the cutting of thin boards, which are equipped to process HDF and MDF boards with thicknesses of 1.5 to 10 millimetres. The key features of the cutting systems are the high-performance saws from IMA Schelling. With a motor output of up to 75 kW and cutting height of up to 225 mm, they are specially designed to efficiently cut thin, high-strength boards. The cutting systems can be placed in direct succession to the sanding line in the material flow, where cutting packages are formed from the individual boards. Alternatively, the system can be equipped with a special thin board feeding mechanism. In either case, feeding with the precise quantity of thin boards is guaranteed. An angular system with a longitudinal and crosscut saw divides the packages. For individual cutting patterns, it is also possible to install a rotary table in front of the longitudinal saw, on which head cuts can be made.



Precision-turned polyamide rollers are used in the systems of IMA Schelling Board. They protect thin boards with highly sensitive surfaces. (Picture: IMA Schelling Group GmbH)



The new sawing machine table from IMA Schelling Board with microjet air nozzles and a hard-chromium-plated surface. (Picture: IMA Schelling Group GmbH)

For thin boards too, the number of highly sensitive surfaces is constantly growing. For tasks like these, IMA Schelling offers a new sawing machine table featuring a table surface with a high-quality, hard-chromium-plated finish. The table is equipped with special microjet air nozzles, which allow the board package to glide across the machine table. Alongside the machine table, special roller tables with precision-turned polyamide rollers are used in all areas where the sensitive material is handled. This enables high-performance cutting of highly sensitive boards.

After cutting, a fully automated system sorts the boards into stacks and puts them down using a reach stacker. The stacking stations are automatically filled with pallets and/or base boards. When stacking, hard-chromium-plated stacker forks and protective polyamide roller tables are used for boards with highly sensitive surfaces. The Engineering department of IMA Schelling works with customers to design cutting systems like these to the customer's precise individual requirements.

www.imaschelling.com

Switch on the future and save time and money

Whether you are processing flat or raised panels, or panel edges, either with UV lacquers or using an industrial digital printer, you will be faced with the need to run your product through a UV oven. Curing is a fundamental step in the finishing process and technologies are evolving fast. Understanding which solution is most appropriate, according to substrate and production process/volumes, is vital if you wish to benefit from the advantages new technologies allow.

Where could you use a UV-R LED oven?

If you recognise yourself in this list, then you might wish to consider opting for LED technology curing performance. UV-R LED ovens are suitable for anyone already using curing ovens with mercury or gallium lamps. It may also refer to

companies coating edges, not just panels, and it may be a choice for those decorating with industrial digital printers.

What are the key benefits at a glance?

Considering LED lamps consume between 50 and 60 % less than traditional lamps and considering they last around 20 times longer than a mercury lamp, you will be saving lots of money and changing them very rarely. LED lamps are cool, so your panels will not heat up, and disposal of LED lamps is much easier than dealing with hazardous mercury lamps.

And if the above reasons are not enough to attract your attention, remember that you can switch LED lamps on and off whenever. They don't need time to reach operating temperature, so you can avoid downtime while waiting on a mercury lamp to warm up. You can also



Sustainable, flexible, safe and far more economical than traditional curing ovens thanks to LED technology lamps that last considerably longer.

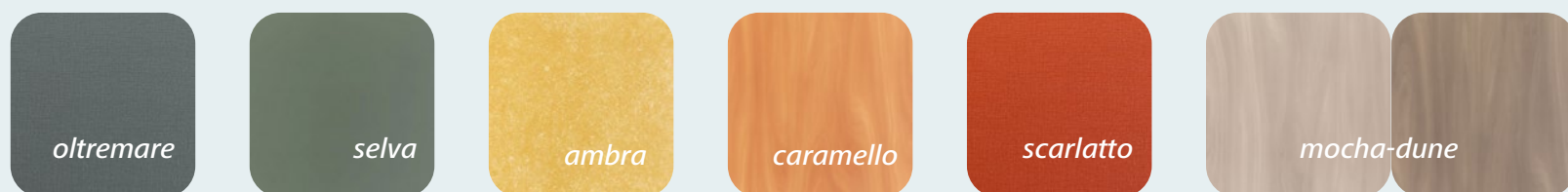
avoid leaving lamps on non-stop, which could be a fire risk.

www.ceflafinishing.com

The new Fantoni collection for the furniture industry

Cinque Terre

Fantoni, a world leader in the production of MDF and chipboard panels, and Lacon, a company within the group specialising in the impregnation of melamine papers, finishing and production of laminates for interiors, has launched the Cinque Terre project, created to design "total look" solutions with surfaces that are uniform, continuous and coordinated in terms of materials and appearance.



The collection is designed for the furniture industry, offering a selection of decors and finishes with cutting-edge colours, textures and tactile effects to meet the expectations of its end customers. Cinque Terre relies on the production capacity of Lacon, which can satisfy any size requirements, creating innovative solutions that keep waste to a minimum while upholding production needs and aesthetic standards

The coverings are varied and versatile, and allow for endless combinations of decors and finishes, enabling architects and interior de-

signers to give shape to unique spaces that draw inspiration from the charm and immense beauty of nature. Hence the choice of the name "Cinque Terre", a tribute to the spellbinding landscapes of the Italian Riviera.

Cinque Terre Colours goes from cool sea tones to warm earth tones, in a range of shades of Oltremare, Selva, Ambra, Caramello and Scarlatto; Cinque Terre Natural, on the other hand, evokes resolute stone hues and impalpable sandy tones, with the colours Mocha and Dune.

Completing the Cinque Terre project is the expressive freedom offered by Mix and Match, where original combinations point to future trends in the furniture world.

The concept was developed in collaboration with Studio Rossi&Co of Thiene (Vicenza, Italy), and proposes an original collection of decors specifically created to offer refined combinations of materials and colours that restore a sense of balance in the design of interiors.

www.fantoni.it



In its Colour Road RENOLIT inspires with the trend colours 22/23

From space down to the deep sea

The route is set, now the journey may begin: In the Colour Road RENOLIT SE, international manufacturer of high-quality plastic films and products, shows the way to the trend colours 22/23 for the interior sector. This year's Colour Road has the motto **TRAVELLING INTO NEW DIMENSIONS** and is inspired by the colour worlds of the deep sea, the first-hand sensory impressions on earth and images of outer space and space travel. Since 2009, RENOLIT's Corporate Design Management has been publishing the latest colour and design trends in the annual Colour Road: They address global trends and developments and transfer them to interior and exterior design. Therefore, the team led by Monika Haag, General Manager Corporate Design Management, closely cooperates with trend research institutes and trend experts.

In-house concept for colour consulting

The Colour Road gives manufacturers of furniture, floors, doors, wall panels and caravans an inspiring guideline as to which colours and materials will be in vogue. Overall, the colours come from visually powerful imagery and in turn open up worlds that inspire product designers in interior design, construction, furniture production and caravan equipment. "After all, in the furnishing industry, too, it is always about offering our customers something fresh, something unseen before. This, however, requires a good orientation to meet the taste of the buyers. And that is what our trend service offers," explains Monika Haag, creator of Colour Road.

The Colour Road concept is backed by the consulting expertise of RENOLIT's Corporate Design Management. "We are contacted by manufacturers of furniture, kitchens, floor coverings, wall panels and exterior wall cladding who are looking for trend colours and decors. "The core of our consultancy service is personal – or digital – consulting," explains Verena Mundle, Corporate Design Manager, as she de-

scribes the service. In addition to advice, videos and a digital brochure take designers and product managers on a journey.

Monika Haag and her colleagues filtered the motto **TRAVELLING INTO NEW DIMENSIONS** from current affairs. The pandemic has clearly reminded us that travel is a deeply rooted need. It reflects human curiosity and the desire to learn more and more about the world we live in. Today, technological developments enable new kinds of impressions and experiences, and journeys of discovery are becoming more virtual. However, the more digital we become, the more intensively we perceive the immediate, physical experience again.

The blue-green colour world provides calm and clarity

In search of inspiration, the Colour Road leads down into the deep sea, which is full of unexplored creatures and secrets. The trend colours of DEEP OCEAN LEVEL are two blue tones Sea Pioneer and Atlantic, an intense pastel green Nekton and Space Glow as a golden ac-

cent. Nekton contains the fresh radiance of the cold green in which swimming creatures glow under water: The refraction of light puts the underwater world in a blue-green spotlight. The shade Sea Pioneer comes from deeper spheres. When the last rays of light are lost in the depths of the ocean, everything is surrounded by this intense blue. Atlantic is found from a sea depth of 200 metres. This is where a mysterious, dark blue underwater world of its own begins. And if you venture down even further, you can also discover Space Glow. That golden glow of rare bioluminescent creatures.

"In interiors, blue and blue-green harmonise very well with our oak decors in a subtle light and grey look. But stone looks, too, are a great option," says Monika Haag, explaining some of the possible combinations for DEEP OCEAN LEVEL.

Bold shades stand for joy and a positive attitude to life

At eye level, the hues of GROUND LEVEL emerge. We encounter Lichen Green out and

about on mossy rocks or on tree trunks. This muted green with a distinct proportion of grey and yellow has a calming effect and harmonises with many colours and wood decors. The rich, warmly vibrant Pilgrim Shell also can be found in nature – whether in the form of a yellowish shell or as crustose lichen on uninviting surfaces. This cheerful yellow shade conveys a positive aura: Pilgrim Shell succeeds in spicing up any room. Artist has an equally strong effect: the resolute and determined red sets powerful accents. Its cooling counterpart is Sphere. This shade of blue with a tendency towards violet picks up on the virtual component of our travels. "These fresh, encouraging colours simply radiate a good mood in the living room. They work excellently in combination with oak decors as well as ceramics and tile patterns," advises the colour expert from RENOLIT SE.

Exciting contrasts for a lively spatial effect

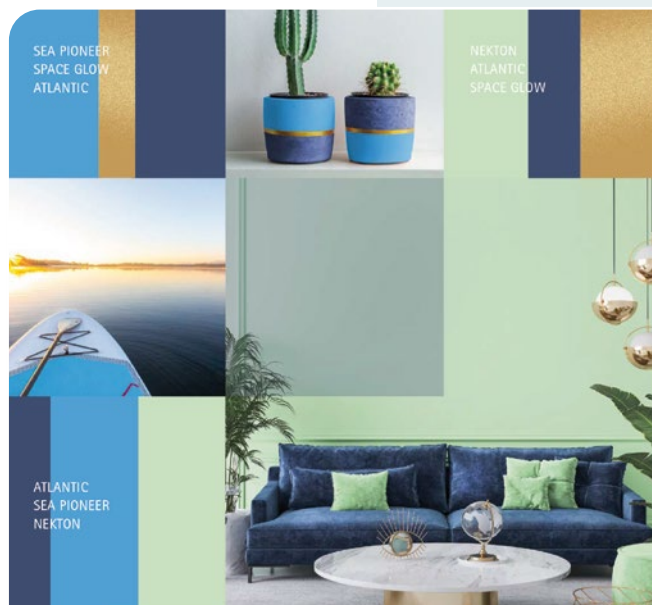
The colours of COSMOS LEVEL are souvenirs of an interplanetary journey: the bold orange shade Mars picks up on the hopes and perspectives of space travel and directs our gaze towards our neighbouring planet. The muted rust-red shade Crypto could also come from a snapshot of the Martian atmosphere. Mars and Crypto are both of mineral origin – as is Mineral Grey, which is reminiscent of the dusty surfaces of the moon. This shade of grey provides the perfect base for bold accent colours – such as the fresh Caldera. It is reminiscent of aerial photographs dotted with lakes in a cratered landscape. The striking turquoise complements oak decors perfectly and, like orange, is suitable as an expressive, almost luminous contrast colour for minimalist design. "Caldera, Mars and Crypto are a perfect match for the look of rough untreated woods and raw stone surfaces. In these two areas RENOLIT offers a wide range of high-quality decors in various qualities," said Verena Mundle, summarising the design flexibility of COSMOS LEVEL.

Inspiration through videos, collages and consulting

The Colour Road opens up new worlds of experience and perspectives for all those who are looking for the latest trends in architecture and interior design. And who want to make sure that their new products and collections will be well received in the market.

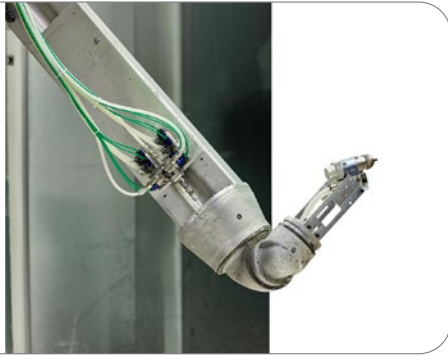
At www.renolit.com/en/company/trendservice-colour-road RENOLIT presents its trend video for this year's motto TRAVELLING INTO NEW DIMENSIONS.

www.renolit.de



Excerpt from Renolit's Colour Road trend brochure

New colour change platform brings infinite flexibility to industrial finishing automation



The newest innovation in Graco's finishing automation capabilities is now released for sale. The IniFlex platform of colour change components offers manufacturers the infinite flexibility they need to decrease colour change times and reduce flushing waste.

IniFlex fits into almost any application that requires compact colour change valves. This includes, but is not limited to:

- painting robots with on-arm colour change capability;
- reciprocators with automatic paint spray guns;
- single and plural component mixing systems.

Flushing quickly and cleanly with less waste

If you want to cut colour change times and waste less solvent, you will especially benefit from IniFlex. The unique design of the colour change valve assembly causes it to flush cleanly without having to use a lot of solvent.

This animation shows how fluid flows through the IniFlex valve assembly. Its innovative design ensures there's no opportunity for accumulation. Less dead space requires less solvent and saves you more money: <https://bcove.video/3CVJ9VW>

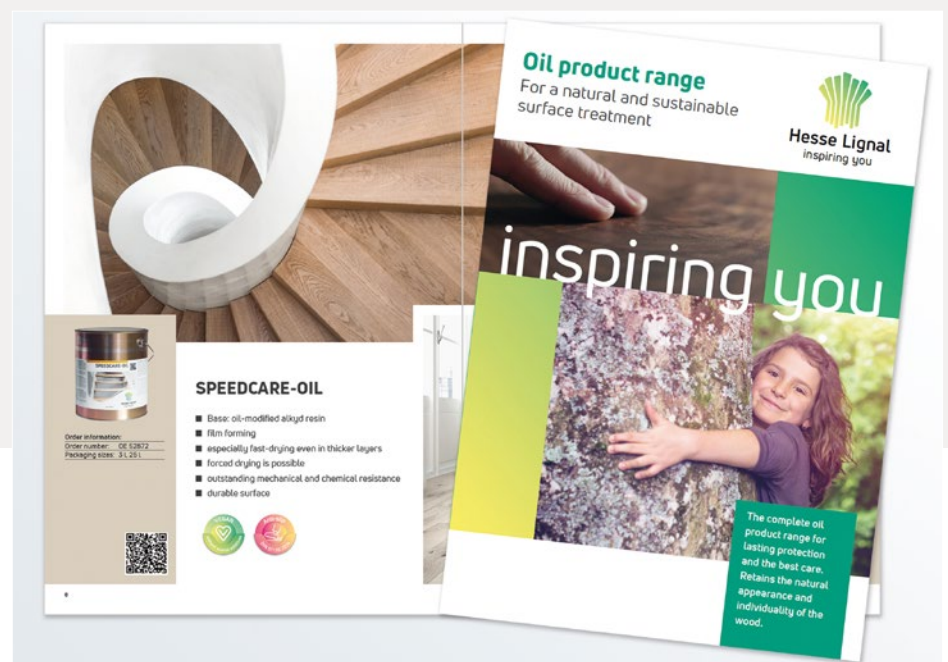
www.graco.com



New Hesse Lignal oil catalogue is available

Oiled surfaces are currently very popular with end customers. They add a particular emphasis to the charm of wood as a natural material. They can traditionally accentuate the surface grain or discreetly embellish as an oiled natural wood effect. The benefits are obvious: Easy processing, generally without much mechanical effort. Oiled surfaces permit an exchange of moisture between the material and its surroundings. And small areas of damage can be easily repaired.

Coating and stain specialist Hesse has completely restructured its oil range and offers the right product solution for all requirements relating to a modern oiled surface. The new catalogue which has just been released gives a depiction of the current oil range. In addition to the actual product descriptions, the catalogue contains a wealth of information on the subject of oiled surfaces. Clearly arranged tables give the reader a quick overview of the proportion of renewable raw materials, as well as standards, application types, fields of application, etc. The product pages describe the oil products in an informative manner; they provide information on special features including pictograms, and show related order information. Comprehensive technical



information can also be downloaded via QR code.

The care compass at the back of the oil catalogue helps you to decide which care oil or medium to use for specific purposes. Tips and tricks are included, such as advice on stain removal, the inherent fragrance of oils, or oils as

combination partners for solving specific issues. A large number of the oils that are described are ultimately also available to order free of charge via the Hesse Lignal sample shop. Corresponding QR codes lead directly from the oil catalogue to the sample in the shop.

www.hesse-lignal.com

Highlights of the 20th anniversary edition

At long last, “discover, experience, do” is back on the agenda, in line with our event slogan. At the 20th round of HOLZ-HANDWERK, the focus will be on personal encounters and networking, discovering and trying out new products and solutions, and gaining inspiration and know-how. The European trade fair for machine technology, equipment and supplies for the secondary wood processing segment will take place as a one-off “summer edition” from 12 to 15 July 2022 at Exhibition Centre Nuremberg, as always alongside FENSTERBAU FRONTALE, which you can visit using the same ticket. In this anniversary year, visitors will not only enjoy the trade show in the usual seven exhibition halls but can also look forward to a new highlight in the supporting programme, with the premiere of a forum on digitalisation.

“A practical guide to digitisation for craftspeople” – but how?

HOLZ-HANDWERK is providing support to carpenters on their journey into the digital world. The new forum “A practical guide to digitisation for craftspeople” offers participants the opportunity to meet experts, share information, make contacts, and gain new inspiration, insights and ideas. It is taking place in Hall 8 for the first time as part of HOLZ-HANDWERK and FENSTERBAU FRONTALE 2022 and will explore topics tailored to the requirements of this skilled trade. With a combination of product presentations and short “Ted-style” talks, the forum offers information on the key topics of efficiency and productivity, staff and leadership, and collaboration and communication with customers.

The power of ideas – bringing ideas to life!

As co-sponsor of HOLZ-HANDWERK, Fachverband Schreinerhandwerk (Bavarian Carpentry Association, FSH) will host the special show “DesignObjekt – ObjektDesign” in Hall 9, offering an interactive information platform with practical tips in line with this year’s focus „Macht DER Idee – Macht DIE Idee” – a play on words in German: the power of ideas is bringing ideas to life. Meaning the carpenter is responsible for realising a customer’s idea, which will succeed well if the idea is powerful and creative. It will focus on the creative aspects of the trade and the process of taking the customer’s idea and developing it into a creative product through the guidance and skill of the carpenter.

The “digital job folder” brings transparency to the workshop

Many carpenters and joiners today face similar challenges: The volume of data involved in the work is increasing – but it often comes from various sources. How can companies deal with this efficiently and consistently? How can all employees stay up-to-date in terms of the job status? What is the best way to keep an overview of the jobs in the machine and assembly areas?

Woodworking shops often have to deal with a lot of paper: Information about jobs, parts lists, assembly information, drawings and construction plans – a lot of data is printed out (in some cases several times) and distributed to employees. Time and again, information about a job is also distributed to different storage locations or using different programs. This can now be consigned to the past because from now on, productionManager allows you to bundle all the information about a single job centrally. Carpenters/joiners can use the “digital job folder” to gather all production-relevant data in one place, replacing numerous paper documents in production.

An end to endless paperwork: All the information is always up to date

In the work preparation department, the user imports all data from any software systems, such as Excel, industry software or a CAD/CAM system, into the productionManager web app. Alternatively, the user can create the data directly in the software. From this point on, any employee with a laptop or tablet at hand can access the data: items, assemblies and compo-

nents, including the relevant drawings and information. Changes can be entered quickly and are therefore available to all users immediately. Drawings, images or further supplements can also be easily added to any job.

Full transparency on the progress of the job

The “digital job folder” bundles all the important information about a job in one place. And because it’s a web application, employees of wood-processing companies can access it from anywhere where they have access to the Internet: in the office, in the workshop or on the construction site. All employees in production or assembly have full transparency over all jobs. For example, they can view job progress in real time and the status of items and components for easy tracking.

Anyone who also uses the productionAssist Feedback app can easily define individual stations in the workshop at which feedback on the current status of the individual component/item should be given. Feedback can be submitted to the app by scanning (using a hand-held scanner or tablet) or by clicking in the app. The ben-

efit: All employees know at any point in time where particular components have already been processed or whether the furniture has been assembled in the assembly area.

Flexible use in any workshop

The “digital job folder” can be integrated into any existing workshop environment with very little effort. No adjustments are necessary in the software landscape or in the machine pool. The machine pool is usually made up of machines from different manufacturers – this is also no obstacle to using the software.

Cost-effective: No investment, update or maintenance costs

There is no risk with regard to costs when using productionManager. The use of the web app can be billed monthly or annually and can also be canceled within these cycles. The benefits of the web-based software: it is always up-to-date, no server landscape is required and no effort is required for updates.

www.homag.com

Hall 109, booth 108

SPÄNEX at the HOLZ-HANDWERK/FENSTERBAU FRONTALE

The HOLZ-HANDWERK/FENSTERBAU FRONTALE in Nuremberg has become one of the most important trade fairs in the industry and proved the attractiveness of this exhibition with more than 100,000 visitors.

SPÄNEX, the specialist for extraction and briquetting systems, will once again be presenting its innovations and product improvements on the topics of extraction, conveying, filtering, dedusting, briquetting, painting, controlling and shredding in the direct vicinity of the WEINIG Group in Hall 9, Stand No. 305, where an extraction system in live operation with a total air capacity of 50.000 m³/h based on dust extractors is shown, which will be used to extract the woodworking machines exhibited and demonstrated by the WEINIG Group.



Fig. 1 – Dust extractor battery setup

SPÄNEX is using this trade fair to show a broad public the new extraction system concept (Fig. 1) based on dust extractors, which has meanwhile been used many times and proven in practice, in live operation. Two stations, each with two dust extractors, will be set up and operated on the exhibition stand, with each dust extractor providing a maximum air output of 10,000 m³/h. Another dust extractor (Fig. 2) with a maximum air output of 10,000 m³/h will be placed on the WEINIG Group stand, so that the maximum total volume flow is 50,000 m³/h.

The background to this dedusting-based system concept are customer requirements



Fig. 2 – Dust extractor – Briquetting press unit

where, due to local conditions, the filter systems cannot be installed outside the buildings as required by the regulations. The tried and tested alternative solution of installing the filter system indoors and equipping it with flameless pressure relief devices is also not feasible in some cases for structural reasons, so that another solution had to be found. SPÄNEX has therefore developed this system concept on the basis of dust extractors.

All five exhibited dust extractors are operated according to demand. This means that the required volume flow changes depending on the woodworking machines being demonstrated. Practice has shown that this demand-dependent system operation leads to considerable electricity savings compared to conventional system technology.

Briquetting presses are arranged below the three dust removal stations and are started up automatically depending on the amount of chips. The performance spectrum of the machines ranges from 70 to 250 kg/h (Fig. 3). Customers can thus also get a picture of the machines' mode of operation and the excellent briquette quality in live operation.

Due to the great demand, a dust extractor (Fig. 4) for extracting dust from hand-held machines and manual work stations is exhibited in conjunction with an extraction table, which is characterised by a particularly high suction pressure of up to 10,000 Pa. The dust extractors of this series are equipped as standard with energy-saving motors of quality class IE3 in combination with a frequency converter. The other advantages of this series are:

- the compactness
- the low noise emission
- the complete control system
- the user-friendliness and
- the extensive accessories.



Fig. 3 – Briquetting press SHB 250



Fig. 4 – Medium pressure deduster

With this medium pressure dust extractor series, central extraction solutions can be realised to which several manual or small machines can be connected. For the extracted dust, this means that it is collected centrally in a filling bin with an inserted plastic bag, which facilitates disposal.

As expected, projects on the subject of paint mist extraction will also be requested at the trade fair. SPÄNEX's extensive product range (Fig. 5 – dry spraying walls, underfloor extraction, extraction tables, sanding stands and sanding booths) enables system design to be adapted to the customer's conditions. Practical examples are used to demonstrate the wide range of possible solutions, whereby the aspects of energy efficiency, heat recovery and control and regulation technology are of particular importance.

www.spaenex.de

Hall 9, booth 305



Fig. 5 – Dry spraying walls

Innovative manufacturing technologies for ambitious craftsmen

With its presence at HOLZ-HANDWERK 2022, the IMA Schelling Group is participating in a presence trade fair for the first time since the beginning of the pandemic. At the trade fair for machine technology and manufacturing needs in Nuremberg, Germany, from July 12 – 15, 2022, the plant manufacturer will present its custom-fit, durable machine solutions for ambitious craft businesses that want to venture into industrial manufacturing under the motto "Quality is our passion".



At HOLZ-HANDWERK 2022, IMA Schelling will present its machine solutions in digital showrooms.

There are many arguments in favor of IMA Schelling's individualized plant solutions and services. Visitors at HOLZ-HANDWERK can see this for themselves. Here they can expect many exciting topics around the machine technology of the technology leader. This year, they

will be presented in virtual showrooms and interactive videos. "Our trade show concept this year combines the opportunities offered by digitalization with the personal exchange with our customers, which is very important for us", explains Simon Waterbär, Director of Sales at IMA Schelling Group.

Central topics of the IMA Schelling Group's trade show appearance are, in addition to the solution concepts for the medium performance range (performance class 2):

The unique batch size 1 drilling machine IMAGIC L1 with its innovative, completely setup-free drilling concept. It is specially designed to meet the requirements of efficient, variant-rich production and permits full 6-sided drilling.

Post-machining units in plug-and-play design, including the contour milling unit I-KFA for

post-machining profiles with internal contours in the corner area. All units feature simplified spare parts stocking, improved machining quality and high-precision absolute linear guides.

The advantages of a (residual) bearing above the blank, which ensures a significant increase in performance even with limited installation space.

The eye-catcher of the booth is an interactive video. This allows visitors to configure exactly the system or production sequence that meets their requirements. Concrete questions guide him through the virtual journey to his individual plant solution. Together with its customers, IMA Schelling finds the perfect solution for the respective requirement.

www.imaschelling.com

Hall 9, booth 218

OLI presents numerous product innovations

Look forward to the new »OLI-NATURA Worktop-Oil«, a solvent-free countertop oil for kitchen and bathroom furniture. Certified by an independent German testing laboratory with "letter and seal" for being »food safe«, it is allowed to carry the glass fork symbol. Its combination of strongly drying linseed & tung oil makes it very potent and extremely water repellent. Therefore "OLI-NATURA Worktop-Oil" is especially recommended for wooden surfaces with frequent water contact. The LFGB certification allows the use without hesitation in food areas (restaurants, hotels, canteens, kindergartens, schools).

For those who like it colourful, OLI launched the new »OLI-NATURA Colour-Oils«. The five colour shades Midnight Black, Mountain Grey, Choc Brown, Sand Stone & Moon White inspire with exceptional colour depth. They dye and protect the wood with just one application of oil and are all intermixable with each other. This allows you to also create your own unique colours. When speed is of the essence, the coloured furniture oil can be processed with the »OLI-NATURA HS Hardener«. Surfaces treated in this way harden more quickly, are more resilient and provide a more colour-intensive appearance.

Speaking of colour-intensive: Discover also the VOC-free reactive stain »OLI-NATURA Antique«. In combination with OLI-NATURA

Colour-Oils extraordinary colour effects can be achieved. The mode of action of the reactive stain is based on a reaction with the tannic acid components of the oak. Depending on the colour tone »leached«, »smoked« or »black smoked« the wood gets an aged or greyed appearance. A dramatic black effect can be achieved by combining »OLI-NATURA Antique« in »black smoked« with OLI-NATURA Colour-Oil in »Midnight Black«.

Inspired by Scandinavian furnishing, the raw wood effect family presents itself on furniture & stairs made of pale wood. While the VOC-free »OLI-NATURA Scandic-Oil For Furniture« protects the wood from the inside, the coat-building water-based varnish »OLI-AQUA NORDIC« remains on top of the surface. Both

achieve a natural appearance with surface protection in a unique way and make the wood appear untreated and freshly sanded.

www.oli-lacke.de

Hall 10, booth 214



NESTRO® continues to focus on energy efficiency and noise reduction

NESTRO® Lufttechnik GmbH is presenting itself on a base area of more than 100 m² on stand no. 309 right at the centre of hall 10.0. The company is exhibiting its filter technology in live operation and looks forward to providing extraction for all processing machines in the "HOMAG City" on the stand of HOMAG again.



NESTRO® clean gas filter house 11/11-20 at HOLZ-HANDWERK fair

NESTRO® considers itself a market leader for the fields of dust, chip and spray mist extraction in woodworking / the wood industry offering complete system solutions since more



NESTRO® grinding table NAST 24 (cut out)

than 40 years now. The company rises to the growing challenges of energy efficiency and noise reduction with competent, comprehensive consulting services and suitable technology. Considerable energy savings can be realised on the system side by using highly efficient fans, frequency converters for fan control, high efficiency motors (IE3, IE4, IE5) and recirculating air instead of exhaust air systems, as well as by using the return air for heating or air conditioning. Subsidies are available in some countries that make even the retrofitting of existing systems interesting – for example to change raw gas into clean gas systems. Noise emissions can also be drastically reduced through optimum product and system design as well as various insulation measures. With NESTRO®, trade fair visitors have the opportunity to experience and evaluate many applications in live operation.

LIVE OPERATION

Filter House NFHSU 11/11-20 w/ Briquetting Press

The NESTRO® clean-gas filter house allows large filter areas to fit in the tightest of spaces and material accumulated of 23 m³ to be stored temporarily through the day. This system features a filter area of 175 m². It allows visitors to experience live how wood chips and wood dust are filtered, collected and processed into briquettes with a diameter of 50 mm. NBP briquetting presses reduce the storage volumes and improve storage and transport capabilities.

The new NESTRO® LOGIC control in the PREMIUM version is explained and demonstrated to stand visitors on the integrated touch panel in the switch cabinet of the filter house.

The entry of dust and chips is secured by a spark detection and extinguishing system. Use and function can also be experienced live.

Grinding Table NAST 24

At the NESTRO® booth, visitors can also extensively test a grinding table from the NAST series. The type NAST 24 has a work area of 2,000 × 1,000 mm and is presented in full equipment (hydraulic table height adjustment,

pneumatic component clamping device, high-pressure suction connection).

New Deduster Series NE J

For the first time NESTRO® presents its new generation of dedusters in Germany: This is the first series of dedusters equipped with IE5 reluctance motor and frequency converter packages. In close cooperation with ABB AG, the company is the first manufacturer worldwide to offer dedusters with permanently frequency-controlled, quieter IE5 motors as standard. The frequency converter ensures that the motor runs at the optimal operating point at all times. Users can save up to 22 % energy costs compared to those using IE3 motors. In this way, the Thuringian company makes a significant contribution to climate protection and at the same time saves the user money.

An NE J 250 effectively dedusters the above-mentioned grinding table and presents the new substructure featuring a briquetting press. Another deduster, an NE J 350 with bins, illustrates the compact dimensions of the largest performance class and allows the visitor to take a look inside.

Deduster in an Endurance Test at HOMAG

A deduster from the NE J series also ensures dust-free air at the HOMAG Group stand. An NE J 350 takes over the extraction of a CNC machining center.

www.nestro.de

Hall 10, booth 309



New NESTRO® deduster NE J 350 (cut out)

Stephanie Wagner new Head of LIGNA

Deutsche Messe AG is responding to the ongoing challenges facing the trade fair industry and has used the past few months for its reorganization.

In the course of this reorganization, the organizational structure is set up into four business units, including Trade Fair & Product Management and Sales. The overall management and strategic orientation of the trade fair portfolio of LIGNA, INTERSCHUTZ, parts2clean and SurfaceTechnology GERMANY is now part of Trade Fair & Product Management and will in future be the responsibility of Hendrik Engelking.

Stephanie Wagner, the new Head of LIGNA, will be responsible for the project and thus for the content and operational management of the world's leading trade fair for the woodworking and wood processing industry. She has been with Deutsche Messe AG for more than ten years and was most recently LIGNA Project Director. Wagner takes up the position of Head of LIGNA with retroactive effect from 1 December 2021.

"We are delighted that in Ms Wagner an extremely experienced colleague is filling this strategically important position," explains Hendrik Engelking. "She is a familiar face in the wood industry and will continue the successful cooperation with our exhibitors, partners and customers."

The next LIGNA will be held from 15 to 19 May 2023. Prior to this, the 1st Rosenheim LIGNA Conference will be held on June 1 and 2, 2022. The event is being organized by Deutsche Messe in conjunction with Rosenheim Technical University of Applied Sciences, the world-renowned educational institution for the new generation of highly qualified professionals in the fields of wood technology.

www.ligna.de



Registrations for Xylexpo 2022 in line with expectations

"Once again, Xylexpo has proved to be a faithful mirror of the market!". No doubt for Dario Corbetta, director of the international biennial exhibition of technology for the furniture and wood industry, scheduled at FieraMilano-Rho October 12 to 15, 2022.

"It is going to be a rich edition – Corbetta continued – a big comeback in the exhibition calendar after four years, due to the global sanitary emergency. We believe that the event will provide a comprehensive display of the best industry technology, addressing an audience that will finally be able to meet in Milan in person."

Based on daily feedback from the exhibitors, the next edition will be a real "new start"; with strong enthusiasm that seems unaffected

by the troubles that the world is still facing. Six months before the official opening, we can announce that halls 22 and 24, assigned to the 2022 edition, are almost sold out. So far, more than 220 exhibitors have finalized their registration to the Milan exhibition, for a total exhibition area close to 34 thousand square meters.

It's going to be an end-to-end showcase where industry operators can "experience" all the technology for the value chain: from pri-

mary operation to solid wood processing, from panel machines to finishing, from tools to equipment.

www.xylexpo.com



Feria Mueble Madera took place for the first time after a break as interzum bogotá

From 10 to 13 May 2022, the international woodworking and furniture industry met at interzum bogotá in Bogotá, Colombia. The trade fair, which was last held in 2018 under the name Feria Mueble Madera, is the most important event for the woodworking, furniture manufacturing and interior design sectors in Colombia, the Andean region and the Caribbean. In order to further strengthen its international appeal, the event was rebranded as interzum bogotá after the cooperation with the leading international trade fair for the supplier industry, interzum in Cologne. Under this name, the industry now experienced the first post-pandemic get-together in the Colombian capital: Four days with the leading brands, with numerous innovations and plenty of space for networking.

In 2020, the Feria Mueble Madera was to open for the first time as interzum bogotá – but the Corona pandemic put a spanner in the works. Now, two years later, the time had finally

come: interzum bogotá opened its doors as the central meeting place for the woodworking industry, furniture manufacturers, interior designers and other industry players. The interest in personal encounters after a two-year pandemic break is clearly noticeable: around 115 exhibitors from 14 countries presented their innovations to an expected 15,000 trade visitors from Colombia, the entire Andean region and the Caribbean. "At interzum bogotá, all areas that are important for interior design come together," says the Managing Director of Koelnmesse SAS in Colombia, Christian Guarín. "This makes us an event that no one from the industry should miss."

This importance is also reflected in the number of exhibitors: in addition to key national and regional players such as Aristizabal y Jinete, Lamitech, Madecentro or Makser, there are also well-known global players such as Arauco, Arkopa, Elektroteks, Fecken-Kirfel, Häfele,

Jowat, Karebant, Kronospan, Lignadecor, Makita, Mammut, Rehau, Stihl or Wilsonart. In addition, country pavilions from Brazil, Chile and Turkey, among others, testify to the economic importance of interzum bogotá and thus of the entire regional market. The focal themes of design, sustainability, circular economy and innovation were not only to be found on the stands of the individual exhibitors.

With interzum bogotá, interzum is now entering the post-Covid era with its first presence trade fair. After being postponed, interzum in China is scheduled to take place later in 2022, and next year interzum in Cologne will once again welcome guests.

www.koelnmesse.com



MEM Industrial 2022 boosts business in the woodworking and furniture industry

The results of the 2022 edition of MEM Industrial, the leading trade show in Mexico catering to the woodworking and furniture industry, were announced by the event's director, Azul Ogazón.

"One of the most noteworthy aspects of the 2022 edition was its contribution to industry-related business on a local, national and international level, which can be attributed to the participation of professional buyers from 11 countries, namely the United States, Spain, Italy and

Colombia, as well as attendees from every state in Mexico" to give a grand total of more than 4,000 visitors, said Ogazón.

Regarding the content of the show, Ogazón said that it encompassed the entire supply chain, from the forestry sector through to Industry 4.0 technologies applied to woodworking and the manufacture of furniture, and that the conference program featured 17 panelists and seven mentorships focused on three main themes: Innovation, the Circular Economy and Design.

Other highlights included the second edition of the COBO2 awards presented by the National Wood-Processing Industry Chamber (CANAINMA) and the third edition of the "Make-A-Thon Makers for Good, Reinventing the Furniture Industry" competition.

www.memindustrial.mx



Postponement of BIFA Wood Vietnam

In light of border control and quarantine measures, BIFA Wood Vietnam, one of the country's leading wood and woodworking exhibition held in Binh Duong, Vietnam will be postponed to 8 – 11 August 2022.

"Currently, Vietnam borders are still closed and quarantine is required upon arrival," elaborated William Pang, co-organiser of BIFA Wood Vietnam. "Moving our event to August will give

Vietnam and other borders more time to establish quarantine free travel for visitors and exhibitors, and more time for exhibitors to freight their exhibits or machinery for the show."

The postponed BIFA Wood Vietnam will be held in a new exhibition hall, the WTC Binh Duong New City Expo Centre, which was completed in mid-2021. Visitors can look forward to leading international woodworking machin-

ery, plus hardwood, softwood and wood materials for the manufacturing of panels, flooring, doors and windows, and other industry trends and developments.

www.bifawoodvietnam.com



Successful online exhibition

The WOOD TAIWAN 2022 DigitalGo has so far attracted more than 2,000 visitors. The on-line exhibition ran from April 28 to May 12.

According to the tracking data, visitors from more than 20 countries have visited the WOOD TAIWAN online exhibition and its peripheral activities, stimulating quite a lot of business opportunities. Launched on the first day was the Sourcing Taiwan, the one-on-one matchmaking served buyers looking for woodworking suppliers. Among them, Japanese Asahi Woodtec was highly appreciating the sourcing opportunity during the pandemic. More than 100 sessions have been achieved with five top buyer countries, including India, Vietnam, Malaysia, Poland, and Thailand.

Next on the stage is the WOODDiscover Factory Tour, which can be described as one of the most popular events in WOOD TAIWAN DigitalGo. From May 2nd onward, exhibitors have been bringing their products and produc-



tion lines online for seven consecutive days and interacting directly with the viewers. The videos on demand for further viewing allow business opportunities to continue to ferment. Moreover, 6 leading exhibitors, namely Anderson Industrial, OAV, INNOVATOR, LEADERMAC, Jun Shiao and Kuang Yung were interviewed in the webinar series launched in cooperation with "Manufacturers Win Podcast" for the first time. Through the interviews, the audience can better understand the latest trends in the woodwork-

ing machinery industry, including how the production processes have been made more ESG, more digitalized, more system-integrated, and so on.

Co-organized by TAITRA and TWMA, the WOOD TAIWAN is a platform that continues to bring you with the high-quality exhibits and professional contents.

www.woodtaiwan.com

Spectacular comeback

Stand bookings have almost entirely filled the six halls at Feria Valencia ahead of what will be a formidable offering from Spanish and international design, contemporary furniture, bed and décor brands.

For the first time, a comprehensive offering of home textiles and kitchen furniture and equipment will be joining the sectors taking part in Hábitat, in the form of Home Textiles Premium and Espacio Cocina SICI. The three shows together will comprise a vast showcase comprising more than 80,000 m² of exhibition space.

Hábitat has confirmed its most optimistic hopes for the 2022 fair have become a reality. With four months still to go until the doors open and three years since it last took place, Spain's main fair for the industry is poised to make a spectacular comeback from 20th to 23rd September 2022. As a result of its sales drive, Hábitat has bookings for almost all the space in the six halls Feria Valencia has set aside for it, meaning it will occupy more than 60,000 square metres.

www.feriahabitavalencia.com



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