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Forests and trees can help us recover from multiple crises, new FAO report says

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Amulyamica's Annual Sales meet at Ramada Plaza, Agra from 9th April to 11 April 2022....[page 12](#)



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Forests and trees can help us recover from multiple crises, new FAO report says

State of the World's Forests Report 2022 details three pathways we must follow to unlock their potential



With the world facing multiple crises including, COVID-19, conflicts, climate crisis and biodiversity loss, our forests can help us recover from their impact, but only if we step up action to unlock their potential. In a key report launched, the State of the World's Forests Report 2022, the Food and Agriculture Organization of the United Nations (FAO) sets out three pathways for doing that: halting deforestation; restoring degraded land and expanding agroforestry and sustainably using forests and building green value chains.

“The balanced, simultaneous pursuit of these pathways can help address the crises facing people and the planet while also generating sustainable economic benefits, especially in (often remote) rural communities,” FAO Director-General QU Dongyu writes in the foreword to the report, subtitled “Forest Pathways for Green Recovery and Building Inclusive, Resilient and Sustainable Economies” and launched at the XV World Forestry Congress in Seoul. The pathways are put forward “on the understanding that solutions to interrelated planetary crises have immense economic, social and environmental implications that need to be addressed holistically,” Qu adds.

The key arguments of the report are that:

1) **Halting deforestation and maintaining forests** could

avoid emitting around 3.6 gigatonnes of carbon dioxide equivalent (GtCO₂e) per year between 2020 and 2050, including about 14 percent of what is needed up to 2030 to keep planetary warming below 1.5 °C, while safeguarding more than half the Earth's terrestrial biodiversity.

- 2) **Restoring degraded lands and expanding agroforestry** – 1.5 billion hectares of degraded land would benefit from restoration, and increasing tree cover could boost agricultural productivity on another 1 billion hectares. Restoring degraded land through afforestation and reforestation could cost-effectively take up to 1.5 GtCO₂e per year out of the atmosphere between 2020 and 2050 similar to taking up to 325 million gasoline-powered passenger cars off the road each year.
- 3) **Sustainably using forests and building green value chains** would help meet future demand for materials – with global consumption of all natural resources expected to more than double from 92 billion tonnes 2017 to 190 billion tonnes in 2060 – and underpin sustainable economies with greater employment opportunities and more secure livelihoods.



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Societies could make better use of forests and trees to simultaneously conserve biodiversity, better provide for human well-being, and generate income, particularly for rural people, the report says, arguing that “there will be no healthy economy without a healthy planet.”

But, current investment in forests falls way short of what’s required. According to one estimate, total financing for the forest pathways needs to increase threefold by 2030 and fourfold by 2050 for the world to meet climate, biodiversity and land degradation neutrality targets, with the estimated required finance for forest establishment and management alone amounting to \$203 billion per year by 2050.

Ways forward along the pathways

The report says the ways for swiftly moving along the pathways may include:

- Directing funding for recovery towards long-term policies aimed at creating sustainable and green jobs and further mobilizing private-sector investment;
- Empowering and incentivizing local actors, including women, youth and Indigenous Peoples, to take a leading role in the forest pathways;

- Engaging in awareness raising and policy dialogue on sustainable forest use as a means for simultaneously achieving economic and environmental goals; and
- Maximizing synergies among the three forest pathways and between agricultural, forestry, environmental and other policies and minimizing trade-offs.

The report cites a wide range of examples from around the globe, both demonstrating the vital importance of forests and trees to people’s livelihoods and pointing to supportive policy initiatives - from the key role of non-wood forest products in Turkey and wood fuel in and Georgia, to smallholder forestry in China and Vietnam, sustainable charcoal in Côte d’Ivoire and formalizing land rights in Colombia.

FAO’s forestry work

FAO’s Forestry Programme is focused on bringing about transformation that benefits forests and the people who depend on them and helping to achieve the 2030 Agenda for Sustainable Development and the Sustainable Development Goals. FAO’s approach balances economic, social and environmental objectives to enable the present generation to benefit from the Earth’s forest resources while conserving those resources to meet the needs of future generations. □

Yamunanagar farmers upbeat as poplar wood rate at all-time high



With the demand increasing, the rate of poplar wood has touched an all-time high of Rs 1,400 per quintal, bringing cheer to Yamunanagar farmers. The surge has come as farmers of Uttar Pradesh (UP) have found new avenues in numerous plywood factories that have come up in their state. Earlier, Yamunanagar used to get 80 per cent of the poplar wood from the neighbouring state.

Although the rise in rates have rejuvenated farmers but the plywood manufactures of the district are dispirited by the development. The shortage of the raw material have forced the plywood factory owners to run their units five days a week. Earlier, the unit would be shutdown only a day.

Haryana Plywood Manufacturers’ Association President JK Bihani claims that downfall in supply was adversely affecting the plywood industry of the district.

He, along with other traders claimed that the rates of the raw material was Rs 500 in 2017. As result of this many district farmers left poplar plantation. Moreover, numerous plywood factories started coming up in UP. As production of poplar wood decreased in the district, simultaneously UP farmers started selling their produce in their state, he added. This led to the shortage. As result prices grew to Rs 1100 per quintal in February 2022 and now they are at all time high, Bihani added.

The farmers claim that they also have to pay more for labour involved in felling of tree as the wheat harvest is underway.

The traders claim that prior to the Covid lockdown, two lakh quintal of poplar wood (including some quantity of eucalyptus wood) was available to them every day but now the supply has come down to about one lakh quintal per day. With the increased demand, the farmers have again started new plantation of poplar.

“I think that now the future of poplar is bright and it will fetch good prices in future too,” said a poplar grower, Joginder Singh of Devdhar village.

Meanwhile, JK Bihani said they are hopeful that the supply of poplar wood will improve in the future.

Supply down: Traders

The traders claim that prior to the Covid lockdown, two lakh quintal of poplar wood (including some quantity of eucalyptus wood) was available to them every day but now the supply has come down to about one lakh quintal per day. □

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Centuryply combines beauty with durability



Now, with the all new innovations from Centuryply there is no longer any need for investing in expensive aesthetic decor items for space transformation. Often, small changes such as Lucida High-Gloss scuff resistant Laminates are impactful factors in overall enhancement of the space in the kitchen. Furthermore, along with the appealing look of the laminates, you also get quality and durability.

Refurbish Home Wisely

Investing in expensive items of beautiful decor and furniture might not do much for your space. It will make things look grand but the overall feel of your space is still heavily impacted by a mix of elements. Transforming ambiance is however, not as difficult or expensive as you think. There are ways by which one may add up some essence in the ambiance by making minimal but impactful changes. One such way is using Laminates.

Laminates that bring transformational change

Centuryply offers finest quality laminates in India ranging from High-Gloss Laminates such as Lucida, European Matt-Finish Laminates such as Silk Tuff and many other specialty laminates. Here, take a brief look at some of the product categories offered by CenturyLaminates:

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- Silk Tuff

- Starline
- Monocore
- Anti Fingerprint
- Speciality laminates

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CenturyLaminates products are known for qualities such as:

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- Scuff Resistance
- Colour Fastness
- Abrasion Resistance

Moreover, they have also upgraded their products with ViroKill Technology.

Innovating and Evolving Products

They have been frequently innovating their products often so as to provide the best quality to buyers. For instance, during the Covid-19 pandemic Centuryply upgraded their laminates with ViroKill Technology.

The Lucida Laminate is a perfect fit for your home. This sheet is great for spaces like the bedroom. Furthermore, these are especially great for the kitchen and bathroom.

Source: Wood & Panel. □

*Readers are invited to send views, comments and suggestions if any, addressed to Editorial board
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Banao apna jahaan

Is It Time to Contemplate **Wooden Architectural Mass Timber** Constructions?



Wood is no longer seen as outdated, nostalgic, or rooted in the past, but rather as one of the most promising building materials for the future

Wood as a material is becoming more valued for its intricate anatomy and intrinsic features as more is learned about these natural processes. New research programmes are beginning to tap into this pool of materially ingrained design possibilities, researching new computational approaches to wood in architecture, using computing as an interface between the digital and physical environment. New technologies for advancing wood architecture have been developed at an unprecedented rate in recent years.

Material-aware design procedures, which incorporate the awareness of the subtleties and complexity of a material known for thousands of years into computational processes, have developed from being an easily available material to becoming the seed of a revitalised interest in wood. The consideration of the modern link between computers and wood is put into context by tracing out the co-development of computing processes and computer-numerically controlled production.

Opening doors for mass timber construction and greater competition than ever before in wooden architecture

Wood construction is highly technical, as evidenced by the large number of standardised and approved wood construction products and fasteners. Engineered wood construction has many facets and will undoubtedly develop more in the future. The increased awareness of the environment, as well as the need to construct energyefficient, climate-neutral structures

without depleting resources, has sparked greater interest in wooden buildings, a unique form of construction, than ever before. Modern timber structures are high-tech assemblies with unrivalled aesthetics. Furthermore, well-designed load-bearing structures are extremely light and efficient, and wood has high strength for a low self-weight. Many architects around the world have been inspired by their unique forms to use this time-honoured building material.

The wood construction industry is exemplifying changes. Evidently, wood as a building material is experiencing a “rebirth,” thanks in part to the development of advanced engineered wood products, which are becoming increasingly popular due to their improved technical performance. Computational processes and cutting-edge technologies have found fertile ground in the wood construction industry. Because of its machinability, wood is an ideal material for numerically controlled and robotic machining, transforming the traditional wood manufacturing industry into a high-tech sector, shifting production away from commodities and toward mass-customized, high-end products.

Technological Advancements

Architects and engineers typically use multiple design tools sequentially or concurrently, with a central workhorse. Communication and collaboration are mediated by technology. Collaborations in digital architectural design first took off in the 1990s, when the Internet brought together remote expertise to solve complex problems. While social media tools have made it easier to connect, successful digital collaboration is still dependent on how well communication tools integrate

with other work processes (for design ideation, evaluation, modification, and prototyping). Regardless of software data exchange standards, interoperability between software platforms necessitates testing and, in some cases, negotiation.

Digitalization and Integrated Design in the Wood

Advances in design computation and simulation allow for the investigation of material-specific properties of wood as a generative driver in design. Developments in design computation and robotic fabrication enable direct feedback between manufacturing constraints and form generation, allowing for the exploration of novel constructional systems and spatial articulation in wood architecture. Wood fabrication by robots Industrial robots, as opposed to task-specific CAM machines, which have been used in wood fabrication for decades, are more universally usable and flexible fabrication setups. Subtractive robotic wood fabrication techniques include axis milling and robotic drilling. Digital wood processing Digital technology is widely used in today’s saw mills and wood processing, such as scanning logs and algorithmically determining the most profitable break up. Advanced wood scanning techniques, such as computer tomography, produce comprehensive, three-dimensional anatomic datasets of the log.



Intricate wood technology, trialling the connection’s feasibility in terms of tolerance compensation, structural performance, and design space. A unique robotic fabrication workflow for the automated spatial assembly of discrete timber members, robotic surface manipulation and spatial positioning capabilities, as well as automated gripping and cutting, A full-scale demonstration object with a robotic fabrication system integrated and real-time sensor feedback The key is to monitor the actual geometry of the individual timber members so that the digital blueprint and the machine’s pre-computed motion path can be automatically adjusted based on material reality. A common digital workspace that provides data management and communication services can ensure that all people work together on consistent project information. This can be as simple as an online filing system with protocols for library checkout and check-in, versioning, automatic backup, artefact commenting, and online linking.

Trends in Wooden Architecture

The leading design trends of 2022 are predicted to be sustainability, responsible material use, and the rise of the “biophilic design” trend. The building and construction sector is one of the most polluting industries, accounting for approximately 39 percent of energy and process-related CO2 emissions and 36

percent of final energy consumption. Fortunately, an increasing number of architects, engineers, contractors, and owners/operators are prioritising sustainability. Using wood as the primary building material in urban living spaces can have a significant impact on the environment and people’s well-being.

The growing enthusiasm of builders and architects towards mass-timber construction .Why are they so geared up?

Mass timber construction is revolutionising wood architecture

The term “mass timber” refers to a broad range of products with varying sizes and functions, such as glue-laminated (glulam) beams, laminated veneer lumber (LVL), nail-laminated timber (NLT), and dowel-laminated timber (DLT). However, cross-laminated timber is the most common and well-known type of mass timber, and it is the one that has opened up the most new architectural possibilities (CLT).



- It can contribute to the cost of good forest management on public lands.
- Built more quickly, at a lower cost, and with less waste
- CLT meets code for fire safety.
- It reduces carbon emissions and aesthetically appealing
- The performance of mass timber in earthquakes has been astounding.
- It has the potential to create jobs in underrepresented rural areas.

Commitment to sustainability & Designing for wellness

Sustainability is a complex topic that presents numerous challenges. When it comes to creating sustainable living environments, the materials used are extremely important. Wood is a natural, renewable, and sustainable material that emits less CO2 than steel or concrete. And, if you choose thermally modified wood, it is treated with only heat and steam, no chemicals. Timber is an ancient building material, but it can be used in modern ways without sacrificing its sustainability values. A variety of timber profiles and colours allow you to achieve the texture and depth you desire for your home.

The global megatrend of sustainability can also be seen in the small changes we make in our homes. It entails using wood for interior design, choosing earthy colours, adopting a “living with less” attitude to reduce environmental impact, and creating home spas and saunas for much-needed relaxation. Taking care of one’s physical and spiritual well-being has become a priority for many, and this includes making one’s home the focal point of one’s efforts.(Source: Wood in Architecture & Design). □



Trending Colors for Surfaces

BY GWEN PETTER, DIRECTOR OF DESIGN FOR WILSONART

The past two years have shifted the meaning of home for many of us as our house served as more than just a place to land after a long day of work. Instead, it became the epicenter of our wellbeing. So, it's not surprising that after more than a year of spending countless hours at home due to COVID-19 safety measures, homeowners are now focused on creating a space that provides a feeling of calm and comfort. And since nature provides a sense of peace and serenity, this has become essential in the spaces where we spend so much of our time as the need to reflect the elements and essence of the outdoors inside the home continues to grow as a driving force behind today's design choices.

Design experts at Wilsonart Engineered Surfaces report colors inspired by nature continue to rise in popularity while also gaining a sense of complexity. As the nature-inspired trend continues to flourish, it's now being combined with other design elements such as contrasting colors and textures.

The company shares the following three trends it foresees dominating home surfaces in 2022:

NATURE-INSPIRED COLORS

As we spend increasing amounts of time at home, designs and materials inspired by colors, patterns, and textures found in nature continue to lead the way in home décor trends, from paint colors and textiles to building materials. Spending time in nature is proven to have a multitude of mental and physical health benefits, including decreasing stress and relieving anxiety.

Following two years of uncertainty, it's logical that we've placed increased importance on bringing the soothing and healing tones of nature into our homes.

Shades like warm whites and light beiges can promote a sense of calm and clarity. Meanwhile, bold colors drawn from nature, such as violet-blue or shades of green, can transform any room into an atmosphere of tranquility. This can easily be accomplished through surface choices.

The Thinscape line of Ultra-thin Countertops paired with darker cabinet colours creates contrast while also evoking the beauty of nature.



Colors and movements found in nature serve as the inspiration for Wilsonart's designs as their newest products have been purposefully designed to deliver the appearance and aesthetics of natural elements. With inspiration drawn from the earth's natural wonders, such as cascading waterfalls and fiery volcanoes, Wilsonart's Quartz Dramatic Landscapes Collection brings the elegance and energy of some of the world's most majestic places into your home. Additionally, the Solid Surface collection captures nature's movements and hues, blurring the lines between engineered and natural materials such as marble and stone.

CONTRASTING COLORS

When it comes to design, many homeowners are looking for the comforting familiar mixed with the exciting new, which is why contrasting colors within design surfaces continue to rise in popularity.



“By mixing materials such as natural stone, wood, and metal with color, spaces achieve a layered look and are brought to life in a whole new way”.

According to a 2021 U.S. Houzz Kitchen Trends Study, 1 in 4 homeowners (25%) adding or upgrading an island choose

a countertop color that contrasts the primary countertop colors in the kitchen.

Many spaces have elements that are still bright white, but with brown, taupe, and gold undertones brought in to offer warmth and comfort to the space. Natural, neutral tones of warm white and light beige help create a relaxing, cozy atmosphere, but combining them with a contrasting vibrant green or deep blue brings visual interest and a joyful hue. Similarly, touches of black can create a classic focal point in an otherwise all-neutral kitchen to instill a quiet, meditative aura. The new warm and inviting designs featured in the THINSCAPE line of European-inspired, ultra-thin countertops, paired with darker cabinet colors, are one way to create contrast while also evoking the beauty of nature.

MIXING COLORS AND TEXTURE

Another major trend in 2022 is the use of texture. By mixing materials such as natural stone, wood, and metal with color, spaces achieve a layered look and are brought to life in a whole new way.

From natural stones to warm wood finishes, combining texture and color can provide a completely distinctive look and feel to any space. The company is seeing homeowners trend toward more matte sheen finishes over reflective options. To achieve this, the Wilsonart HPL Stone Collection's new Fieldstone finish features a textured matte sheen that is less reflective than other stone surfaces, offering a more casual look with authentic characteristics and veining details. To achieve a natural wood texture look for cabinets, the LUJO Collection offers a complete line of luxurious, dimensional woodgrain textures and colors on an engineered surface made to stand up to everyday use.

It seems 2022 is the year to focus on wellbeing, and the home is the perfect place to start. Whether you are looking for ways to infuse feelings of tranquility and serenity into your home, or creating contrast, or adding texture, Wilsonart's engineered surfaces make it easy to redefine any space.

(Source: Surface & Panel). □

Office & Readymade Furniture Helping Particle Boards Demand

Particle board industries are witnessing robust demand from last two quarters. There are reports of waiting period for quality particle board is running from 15 days to even 40 days from manufacturers end. The crunch in particle board supplies are largely attributed due to sudden surge in demand by readymade furniture makers across the country. The shortage in international market is also fuelling gap in Indian market.

The particle board producers are upbeat by the ongoing acceptance of domestic produced boards but organised OEMs are not to supply the materials and they have utilized its full capacity in present time. Producers say that they have received very good demand from everywhere either retail or OEMs. Presently India has more than 60 particle board producers that includes big and small and each of them are happy with present flow of orders which are led by furniture maker's demand.

OEMs are packed with orders, occupied queries and quotations. The offices are reopening everywhere hence interior modernisation is at full swing. With growing office furniture

demand and beginning of many office projects, the demand is reportedly bullish. The orders coming from big commercial offices, e-commerce and tech- startups is also helping PB demand flow. Since e-commerce, e-retailers and IT offices are opening up now, the tech industry is consuming furniture at ease now.

A Pune based OEMs says that their customers are asking to complete projects as soon as possible because many companies are not much interested to continue work from home, if the Covid Cases remain in control in coming months. As per report, there are full-fledged demands of Particle boards in metro cities such as Bangalore, Mumbai, Surat, Hyderabad, Delhi-NCR etc

A Delhi-NCR based OEMs says that he has a huge order of readymade home furniture demand also and he needs a huge volume of Particle Boards for smooth supply of furniture to meet demand. OEMs informed that earlier, customers were brought readymade furniture from China and other countries, now they buy furniture from Indian producers. □

Amulyamica's Annual Sales meet at Ramada Plaza, Agra from 9th April to 11th April 2022



The meet was opened traditionally with lighting of Lamp and Ganesh Vandana followed by National Anthem. All the team members introduced themselves to the house. The newly shot corporate film was presented to the house.

The session was started with MD Shri Rakesh Agarwal's speech, in which he touched many important points and aspects. He assessed the company's growth on various parameters like GST collection, Growth in Export, Défense Budget, Highest Growth in Automobile Industry, etc. From his experience, he reiterated that the coming year 2022-23 is going to register the highest growth in the last 20 years.

Looking at the uncertainty faced after COVID, he emphasized on Plan A, Plan B and also on Plan C. He also

insisted upon critically managing the balance between bottom line and topline.

He also informed the house about the various training programs planned for equipping and improving the skills of sales force. He also informed the house about some major restructuring and inclusion in Hierarchy system.

After MD's speech, Mr. H. K. Maheshwari delivered his educating and motivating session on the subject "Soaring High To Be The Nature Of Everyone".

Following launches took place at the meet –

- Corporate Profile and Credential (2022-23)
- Amulya Times (In-house quarterly news magazine)-Vol.27



- Testimonial book (updated version)
- New Amulya 1.25 mm PVC Laminate Folder
- CLADMAESTRO - The New Amulya HPL Cladding Folder
- Saket 1mm folder (updated version)

Apart from this, other directors Ms. Shailja Agarwal and Mr. Abhishek Agarwal delivered the sessions like Shoppe Concept, Udaan Capital – The Channel Financing.

Some informative session by Senior officials of the organization were delivered, like – Bonding Programs for Influencers, Incentives for team, etc.

Performance review of 2021-22 and Budget of 2022-23 was discussed with the Individual Branches. In the meantime, other

team members were facilitated to see turn by turn, one of the Seven Wonders -TAJ MAHAL.

A training session was held by expert faculty on cultural change.

The promotion letters to the eligible members were announced and performers were rewarded. They were also made to share their experience.

In his wrap-up session MD Shri Rakesh Agarwal Ji emphasized on efficiently taking forward the Lakshya drive (increasing the sale of premium product by manifolds).

The three days meet ended with the vote of thanks, followed by Musical Evening and Gala Dinner with the Delicacies of Agra. □

Amulya Mica organized female architects meet at Baroda



Amulya Mica successfully arranged a very special eminent female architects meet at Baroda on 10th May 2022 in Kabir Farm -Hotel & Spa. A well-known lady architect Ar. Sonali Lele Desai was the chief guest of the event. Mr. Sunil Thakore VP-Export, Mr. Rajagopal Pillai VP-Sales (West & South region), Mr. Rahul Oza, Regional Manager-West Zone and Mr. Praful Brahmabhatt (Sr. ASM) from Amulya Mica greeted more than 45 eminent female architects of all age group.

Mr. Thakore, Mr. Pillai and Mr. Oza had briefed Amulya Mica's different ranges of products about Laminates, Plywood, WPC/PVC Lead free Board, Cladding & PVC Laminate & WPC Door Frame etc. Mr Oza had explained why Amulya Mica's premium products like Synchronized Laminate, Seven Wonder, Exotic veneer are premium, its USP and benefits, which

differentiate with others. He also explained Lead Free WPC/ PVC board, Rainbow WPC/PVC Board collection and about SGS certificate which is rare within panel trade. At the same time narrated details of stylish & durable WPC Door Frame "HYGINO", a health friendly surface & complete substitute of Wooden Door Frame. They had detailed company's CSR activities and award & recognitions.

All lady architects took active involvement in going through products and post presentation discussion. All of them appreciated Amulya Mica for arranging such first of its kind meet specially for female architects.

All invitees gained lot of product knowledge through this event and enjoyed dinner post event arranged specially for them. □

Action Tesa Introduces 'Boilo- A Master Key' To All Wooden Applications



Action Tesa, one of India's largest manufacturers of Engineered Panel Products like MDF/HDHMR & Particle Boards in India, introduces a master key solution to all the worries related to wooden applications, i.e. 'BOILO', a Boiling Waterproof HDF Board. Action TESA is the first Company to launch this kind of product across the globe. After the success of HDHMR Board, Action TesaBoilo Boiling Water Proof (BWP) with FR Grade HDF Boards is also on the same track and becoming the first choice of Architects, Builders, Interior Designers and homeowners. Action TESA 'BOILO' Boiling Water Proof (BWP) with FR Grade HDF Boards are not only best FR and BWP product available in the market but

also safe and environment friendly. The boards are available in different grades and thicknesses, making them suitable for any kind of project. The entire range can be seen at www.actiontesa.com and all authorized Action Tesa dealers across India.

'BOILO' Boiling Water Proof (BWP) with FR Grade HDF Boards is a revolutionary product that promises to be the first ever boiling water proof and fire retardant board in India. It's resistant to extreme fire and able to withstand boiling water and fire without any damage. BOILO is introduced by Action TESA, a company that specializes in innovative and landmark product like HDHMR, which is taking over the traditional plywood in terms of overall performance and cost affordability. The Action Tesa HDHMR boards, known for its quality and reliability, are widely popular across India. Likewise, consumers have shown trust in 'BOILO' Boiling Water Proof (BWP) and made it the next HDHMR in the market.

Mr. Ajay Aggarwal, Managing Director, Action TESA says, "Action Tesa BOILO is yet another milestone in the panel industry after Tesa HDHMR. Boilo is becoming popular among architects, interior designers and builders. People who are looking for quality, performance, beauty and safety ask for 'TesaBoilo'. Action Tesa never compromised on quality and our customers can expect the same from Boilo. If we talk about safety and environmental friendly product, BOILO is the first choice. BOILO by Action Tesa is highly suitable for interior applications for the spaces having wet conditions, high load bearing surfaces, high traffic and high temperature areas. We have successfully installed BOILO in many hospitals, hotels, malls, schools, institutions etc."



As a caution he added, "I want to tell our esteemed customers and buyers to buy Action TESA products from our authorized dealers only. Because, there are some shop owners who are selling duplicate or sub-standard products with Action TESA's name. We highly respect our customers' faith in us and we never compromise on quality. We believe in giving the best after sales services to our customers."

Action TESA's BOILO- BWP HDF - the termite proof HDF Board has been developed under high pressure and temperature. This process makes the board a high-density board, with toughened surface, high load bearing and impact resistance with added advantage of Fire Retardant and High Dimensional Stability. The qualities of this board have been achieved using the special German technology of MAT formation, for the first time in India. BOILO is a sure choice for someone who wants to bring beauty and safety, both in same product. BOILO by Action TESA is suitable for application in common areas such as Restroom Toilet Cubicle, Thermal Insulation, Load Bearing Area such as Decking, Warehouse Shelves, Staircases, Container Floor, Truck Floor, Bus Body Floor, Bathroom Partition, Fire Retardant Application, Flooring, Moist Area Furniture, Fly Ash Brick Making, Stage Flooring, etc. □

Trade deal with **Australia** will give duty free access to Indian exporters from **6000 sectors**



The signing of interim trade deal with Australia will give duty free access to Indian exporters from 6,000 broad sectors such as textiles, leather, furniture, jewellery etc. The pact was signed with an aim to enhance the economic ties between the two countries.

The signing ceremony took place virtually wherein Commerce Minister Piyush Goyal and his Australian counterpart Dan Tehan were present. Speaking on the occasion, Prime Minister Narendra Modi called it a water moment with regards to bilateral relations between India and Australia. He emphasised on jointly increasing supply chains resilience and stability of Indo-Pacific region.

PM Modi's Australian counterpart PM Scott Morrison said that the strategic partnership between the two countries has been remarkable. He said the Australian will take new initiatives with a budget of USD 282 million which will be include holding of a summit to expand cooperation.

According to media reports over 6,000 tariff lines would be available for Indian exporters at zero duty immediately after the implementation of the interim pact. □

“Grass that saves **Wood** – **Bamboo**”



Paving the way for a green greener future with more than 50% Bamboo fiber reinforced polymers - BAMBUTEAK. With the goal of promoting the use of Bamboo, a multi-faceted and rapidly replenish able natural resource, in the construction industry to help India become carbon neutral. Decking, flooring, cladding, panelling, ceilings, railings, furniture, pergolas, beams, posts, pallets, partitions, and frames are all manufactured by Bambuteak.

Bamboo Polymer composites:

Bamboo fiber-reinforced reinforced polymer composites have good mechanical properties and are capable of being used in high-tech applications.

Sustainable materials and Greener Buildings:

Why Choose Bambuteak:

- Natural Fiber
- No Deforestation
- Sustainable and Eco Friendly
- Lighter and Stronger
- 100% Waterproof
- Termite Proof
- Fade Proof
- Carpenter Friendly
- High Tensile Strength
- Care-Free
- Slip and Splinter Free
- 100% Recyclable. □

Greenlam Inds acquires laminate manufacturing facility in Gujarat for ₹ 36 crores



With a capacity of 24.521 million sheets altogether, this acquisition would help Greenlam maintain its top spot in India's laminate market. Gujarati laminate manufacturer Bloom Dekor was purchased by Greenlam Industries. The installed capacity of this laminate production facility is 3.4 million sheets annually. The agreement includes buying the whole property, building, plant, and equipment of Bloom Dekor's laminate division. The company anticipates having the plant operational by Q2 of FY23, and the total price to be paid for the contract is Rs 36 crore.

With this acquisition, Greenlam will now have four strategically located laminate manufacturing facilities in India, situated at Behror (Rajasthan), Nalagarh (Himachal Pradesh), Naidupeta (Andhra Pradesh - Under Construction) and now Prantij (Gujarat).

This acquisition will open new horizons for Greenlam to expand its offerings to the market by entering mass market segment of laminates. It will also allow expansion of network in semi-urban and rural areas and give leverage to its current offerings. The location of this plant offers a demographic advantage as Gujarat is a hub for the raw materials and being closer to port cuts down on logistics cost and time. This segment will have fewer stock keeping units (SKU), which shall result in lower working capital requirements albeit at similar return on capital employed as for the existing business. Greenlam will further be upgrading the plant and expanding its capacity. This upgradation will take the current plant production from 3.4 million laminate sheets to 5.4 million sheets annually.

Mr. Saurabh Mittal, managing director & CEO of Greenlam Industries said, "With the acquisition of Bloom Dekor's manufacturing facility, we will further strengthen our market leadership in laminates and penetrate into the mass market segment which forms a significant share of the overall category. In addition to this, we also announced issuance of fresh equity shares on preferential basis to the extent of Rs 195 crore, on June 20, 2022. With the earlier announcement of capex to invest Rs 950 crore over a period of 2-3 years, towards setting up of third laminate plant and entry into plywood and particle board business along with fund raise and this acquisition, Greenlam is well poised to embark on the journey to the Next Orbit."

Greenlam Industries provides high-quality surface solutions that are designed to transform and beautify residential and commercial spaces. Its brands include Decowood, Mikasa, NewMika, Greenlam Clads, Greenlam Sturdo and Greenlam. □

Berneck orders the world's largest drum dryer from Dieffenbacher



One of the dryer's trunnion rings, with an outer diameter of 9.06m, height of 0.66m, and weighs approximately 47 tonnes.

Berneck, a wood-based panel exporting company in Brazil, has commissioned Dieffenbacher to supply an 84MW energy system and a drum dryer for its medium-density particleboard (MDP) plant in Curitiba, Santa Catarina. Headquartered in Araucária in the Brazilian state of Paraná, Berneck specialises in MDP, medium-density fibreboard (MDF) and high-density fibreboard (HDF) production.

"With the new Dieffenbacher energy system and drum dryer, we'll be ready to boost our production capacity in Curitiba from 1,200m³ to 2,700m³ of MDP per day," said Daniel Berneck, industrial director of Berneck. According to Dieffenbacher, the grate of the 84MW energy system will have a size of 106m² and the drum of the dryer will be 36m long and have a diameter of 7.8m. The new Dieffenbacher drum dryer will reportedly be "the largest in the world". At 155% material moisture, it will achieve a throughput of 43 tonnes per hour.

"Berneck has not only placed its trust in us for this project, but it has also invited us to enter into a long-term partnership," said Diego Coelho de Oliveira, area sales director of Latin America at Dieffenbacher. "We sincerely thank our partners at Inserco for helping to make this contract possible."

Ralf Bergmann, managing director of Inserco, added, "This success once again shows what Dieffenbacher and Inserco can achieve together in Latin America."

Berneck concluded: "I cannot wait to see our Curitiba site more than double its particleboard capacity. I look forward to our collaboration with Dieffenbacher and Inserco on this project and others, as I believe this might be the beginning of a new era for all three of us." □

FIPPI seeks policy change to release potential in agroforestry sector



Federation of Indian Plywood & Panel Industry (FIPPI) sent a presentation to the Hon'ble Prime Minister of India "Small Policy Shift – Big National Change", to present details and take his guidance on how the industry can support the ambition for an Atmanirbhar Bharat. In a letter written by the federation Mr. Sajjan Bhajanka, President, FIPPI requested for the intervention in affecting a policy change with potential for immense national impact through self-sufficiency in production of agroforestry wood & development of wood based industry in India.

FIPPI draw attention to the following policy levers, which can pave the way for wood based industries to achieve their full growth potential. Presently, wood produced from farmlands are treated as forest produce requiring regulatory clearances and discouraging farmers from growing trees. They proposed shifting agro-forestry from forest to agriculture sector and thereby providing all the economic benefits of agriculture to the farmers engaged in agro forestry.

FIPPI also proposed that the removal of licensing requirement for wood-based units including Veneer Mills, Saw

Mills, Plywood Factories, Medium Density Fibreboard (MDF) Units, Particle Board Units, Pulp and Paper Units, Furniture Industry and all other industries that primarily use 'farm wood' and its produce as raw materials. This will enable local producers and other users of farm wood to build sustainable businesses at the plantation sites and generate employment and livelihood opportunities for farmers.

The above interventions are likely to have multi-pronged economic and ecological benefits: Such as rural job creation, as there is potential of 2-2.5 million+ new jobs in rural India and substantive impact on farmer incomes. GDP growth & import substitution, as there is full value chain potential of \$150 billion+ and balance of trade improvement as timber imports are substituted by domestic production, and Climate and sustainability impact, as 2 Bn+ mt of carbon sequestration potential by 2050 from the increase in tree cover and supply of raw material for cluster level biomass / wood-based power plants.

Mr Sajjan Bhajanka also requested to meet in person to discuss the matter. He said in the letter that having a fresh look at the commercial timber plantations in agroforestry sector by the Indian Government can enhance self-reliance in timber production in the country. India has the advantage of scale, second largest arable land resource in the world that can be an asset in achieving self-reliance in timber. However, as India's real estate and furniture demand booms, reliance on timber imports is likely as India looks to meet its composite panel requirements.

He suggested that a 5 percent shift of agriculture area from cash crops to timber plantations through incentives would result in the enhancing farmer's incomes, ensuring sustained supply to the wood-based industries and significantly increase in rural employment generation, thus arresting the rural Indian brain drain and strengthening the country's green cover and ecology. □

Low cost and efficient timber identification

Indonesia will develop a standardised system for wood identification to support the promotion of sustainable timber to the global market. The Head of the Instrument Standardisation Agency in the Ministry of Forestry, Ary Sudijanto, said that an accurate and efficient species identification system and data centre for easy and cheap identification and tracking of timber will support verification and trade in sustainable timber. This system could be the answer to the current situation where customs officials and law enforcement officers have difficulty to validate timber export documents.

A researcher from the National Research and Innovation Agency (BRIN), Ratih Damayanti, revealed that to support the development of a wood identification system Indonesia has developed an Automatic Wood Identification Application (AIKOKLHK). She added "There are about 1,300 timbers that can be identified using AIKOKLHK". A portable device is currently being developed.

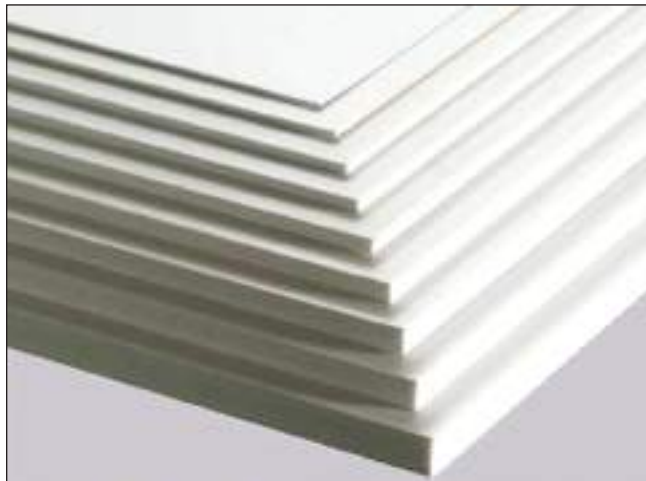
The Ministry of Trade, through the Directorate General of National Export Development and Fair ventures Worldwide signed a memorandum of understanding on the development of lightwood especially sengon (*Albizia sp*) and jabon (*Anthocephalus sp*). The MoU was signed by the Director General of National Export Development, Didi Sumedi and CEO of Fairventures Worldwide Megan King. In addition to the MoU, the Ministry of Trade and Fairventures Worldwide also signed a Technical Arrangement (TA) to follow up on the MoU in detail. Activities to be undertaken include educating consumers about the benefits of lightwood, establishing a lightwood innovation centre and conducting training on the use of lightwood. In addition, the Ministry of Trade and Fairventures Worldwide will also promote the Timber Legality Verification System (SVLK) in Europe fostering 2000 sengon wood farmers with an area of 2000 ha of sengon plantations and distribute two million sengon seedlings." □

Gattani Industries Steps in the PVC Boards and Door Frames Manufacturing

North East based Gattani industries has entered into PVC Boards and Doors Frame manufacturing by installing two lines for production in Jorhat, Assam. Among the newly installed lines one will be dedicated to manufacture PVC boards and the other to doors frames. These lines' production capacities are about 100 tonne per month each. Mr Ayush Gattani, the director of the company said that there is a very good enquiry for PVC Door frames in North-East market. Seeing the great potential, they are going to install another two lines for PVC door frame manufacturing very soon in near future. For the installation of another slot of machines the orders have been already placed.

"The North-East market is very good for PVC door frames as the users from this area are not getting material from other parts of the country. This would be the first manufacturing unit in North-East itself to manufacture WPC Board and WPC door frames," said Mr Ayush Gattani, the director of the company. He further said that the company has a target right from the beginning that the quality manufacturing will be the prime objective and the manufactured door frames density would be more than 5.0. With this initiative taken up by Gattani Industries into this segment of panel industry the customers in the North-East region would be able to get better services and quality products.

"The company is going to launch a new range of products with the brand name of Gattani itself. Its commercial production



will begin from the first week of April, 2022. Gattani Industries is known to always manufacture quality products. Gattani is famous in the plywood segment and our vision is to maintain the same legacy in the PVC segment and also what the customers are enjoying with plywood," he added.

Jorhat, Assam based Gattani Industries is one the prominent producers of Plywood in India, and leading manufacturer in North East Region. Its brand 'Gattani' and 'Oxford' is very popular in Plywood market because they have retained high quality products standard sustainably despite of all challenges in this area related consistency in timber supply. □

Indian furniture industry is developing



A lot has happened at Schuler India in the past year. Despite a terrible pandemic, Schuler is happy with its latest innovations, and they have introduced several successful projects and had the opportunity to expand the team. Based in the multi-million city of Delhi, there are now three consultants at our long-standing location who can cover most of our customers' needs across India. "Our specialisation ranges from digital solutions to hands-on support for problems on the shop floor directly at factories. With more than 40 projects completed, we are ready for the next 40!"

A positive development in the industry is the willingness

of Indian customers to invest in more machinery. They are also increasingly accepting certain levels of automation. This change has been partly driven by the labour shortage caused by the Corona pandemic. The difficulty in recruiting skilled labour in the furniture industry in general has given this a further boost. The wider acceptance of these higher technologies has created a vacuum in new skill areas where furniture design, production planning and CAD cam skills are in demand.

It is worth noting that the furniture industry in India is growing by leaps and bounds and factories are not able to increase their production capacities fast enough. This trend is even more evident in the furniture export sector, where many orders are coming in that were previously manufactured in China and other South East Asian countries. International furniture buyers have realised the importance of spreading their orders across several countries to ensure a healthy mix of suppliers and reduce risk in geopolitical situations.

As India's leading trade fair for the local wood and furniture industry, IndiaWood is a key event in South East Asia and Schuler was present with their latest innovations to reach the local market. Increased investment and automation has paved the way to new digital innovations to a more autonomous production. They have the right mindset and the right digital tools. □

Introducing Luvih, a range of Haute Matte Anti-Fingerprint laminates from the house of Merino



Signature laminate surfaces for premium spaces

India's leading manufacturer of high-pressure decorative laminates, Merino Laminates has recently introduced its premium surface solution, Luvih in the Indian market. Etched in time, Luvih, in Sanskrit literally means 'beauty'. Resonating with its name, Luvih promises fascinating elements that serve as an inspiration for beautiful interiors. The Luvih catalogue stimulates the vivacious elements of nature through its ZeroPrint, Bloc, StarDust, Flex, OneTone, and Edge range of surface solutions.

Luvih Surfaces by Merino are designed to resist scratches while remaining aesthetically appealing for years to come. Engineered with the Finguard Feature, these surfaces are highly resistant to fingerprints and oily smudges. Luvih has high impact resistance, high abrasion resistance and high chemical resistance as per SEFA 8.1. The product also comes with premium features such as antibacterial and antifungal properties, making it hygienic. The Luvih range of surfaces has also been certified as Safe for Food Contact. Thus, people having kids at home need not worry anymore about their kids eating a fallen morsel from the table. The range of products from Luvih offer low light reflectivity, thereby making it an extremely matt surface. The soft and gentle premium touch adds an irresistible charm to any décor.

The Luvih Range

Zero Print – These premium surfaces are available in Solid, Stone and Wood Grain patterns and are designed with Finguard, an innovative feature that offers fingerprint resistance. These surfaces ensure a satin smooth finish protected for a lifetime and are suited for both horizontal and vertical usage in both residential and commercial decor. Zero Print is available in the market in 1.2 mm size and is suitable for high traffic areas where product durability is paramount. The range is further available in Solid, Stone and Wood patterns having 25+ color options.

StarDust – Resonating with the sparkle of a night sky, these ultra-elegant surfaces are embellished with glitters, granules and stones for a premium and luxurious finish. Stardust is sure to add a touch of panache to premium spaces. The StarDust surfaces are available in 1.2mm size and have three design options to choose

from such as Milky Mosaic, Coal Glimmer and Anchor Mosaic.

OneTone – Onetone series comes in a unique combination of high-quality decorative laminates and a homogenous solid color core. The uniformity in color of the core and the top makes it an ideal choice for shelves, cabinets, tabletops, countertops and more. The consistent look lets the beauty of solid colors flow seamlessly without any visible edges. The product is available in 1.2 mm size and has two shades of white – Tulip White and Ivory White.

Bloc – Bloc is an all in one surface that offers a haute matte premium finish. Engineered from kraft and decorative paper, further strengthened and finished with electron beam cured acrylic layer, they can be directly used on surfaces without any strengthening support. Bloc is available in 3 mm, 6 mm and 12 mm sizes and has six variants under the range. The product can be uniquely used as vases to ramp up the look of any interior spaces.

Flex – Flexible in nature, the product is specially designed for nonlinear surfaces. These bendable surfaces seamlessly blend with any design requirements for a perfect finish.

Edge – Redefining seamlessness, Edge offers an exceptional edge to edge finish for furniture. These unified surfaces not only offer a smooth continuous look but will also transform a home and a commercial space with amazing grace. The edgebands are available in 23×1.3mm size.

The Luvih Surfaces has been certified with Greenguard Gold assuring a sustainable quotient of the product. With Luvih, Merino wants to offer international quality surface laminates to Indian homes at a very competitive price range.

Merino has redefined the concept of imagination for good. While the world has confined the boundaries of laminates, it is all out to explore what these versatile surfaces can do. Laminates are fondly known as surface decor elements and, Merino has added life to the same with its striking concepts and awe-inspiring patterns. □

China exports veneer to India at very competitive prices

According to ITTO, the rain season is ending in Gabon. Producers say the occasional storms are not affecting either production or transportation. The good news on rail transport is that there have not been any derailments for around a month. Some mills in the NKOK economic zone have recently reported a slowdown in the deliveries of okoume logs which has meant a cut in production. They also complain that, in recent weeks, degraded logs with pinholes and stain have been arriving. Any disruption of peeler veneer production by Indian companies which ship back home is quickly taken advantage of by other producers and it is reported that Chinese veneer producers are exporting to India at very competitive prices. □

Districts as Export Hubs initiative by govt will give **Indian MSMEs ammunition** to beat China



Trade, import and exports for MSMEs:

Among the most robust calls to action in making districts as export hubs, were made by Prime Minister Narendra Modi in his 2019 Independence Day speech. He lauded that each district's potential equals that of an entire country, given its diverse identity and potential for the global market.

With the intent to fructify an ambitious export target for FY23, The Directorate General of Foreign Trade (DGFT) has sought Rs 6,000 crores in funding for the 'Districts as Export Hubs' initiative. All eyes are already on India as it ups its ante to produce and export more in the wake of global supply chain disruption. Moreover, labor shortage, lack of raw materials, etc. due to covid-19 impact have severely dented China's potential to continue its global exports momentum, with many countries opting for the China +1 strategy being the icing on the cake for India. With all these factors at play, industry experts view the proposal as a step in the right direction, and the timing couldn't have been more appropriate.

In the project's first phase, work will begin on the 200 out of the 700-odd districts in India. The aim is to boost production in the remotest of towns and connect businesses to foreign buyers. This will be a shot in the arm for India's medium, small and micro enterprises (MSMEs), who are the backbone of the country's economy.

Tapping the Untapped Potential

Among the most robust calls to action in making districts as export hubs, were made by Prime Minister Narendra Modi in his 2019 Independence Day speech. He lauded that each district's potential equals that of an entire country, given its diverse

identity and potential for the global market.

The top six states in India- Maharashtra, Gujarat, Karnataka, Tamil Nadu, Telangana, and Harayana contribute 75 per cent of India's overall exports. This shows how exports are concentrated in only certain regions of the nation.

Besides this, perhaps even more focus on promoting region-specific identified products to reach potential buyers outside India is an untapped area with incredible growth potential. For instance, consolidating the exports of gems and jewellery, garments, furniture, toys, and blue pottery from Jaipur, Rajasthan. And also, doing the same in Palghar (Maharashtra) for products related to chemicals, pharmaceuticals, engineering, and plastics related, fisheries, and marine food processing may multiply the exportability of the whole country instead of focusing exports mainly from large export hubs.

Making Aatmanirbhar Bharat a Reality

If the district export hub scheme gets the Finance Ministry's approval, it will form a part of the new Foreign Trade policy, set to be announced in September.

Self-sufficiency and self-reliance will be the first by-products of this move. Specific actions to support local exporters and manufacturers may be a boon in addressing challenges obstructing improved supply chains, market accessibility, and handholding for increasing exports. Among the four potential wins or benefits will include:-

- Heavy investments in the district will boost manufacturing and exports and provide the ecosystem for innovation and use of technology at the district level to make exports competitive.

- Reduction of transaction costs for the MSMEs at various stages of the export cycle and generating employment in the district.
- Providing platforms for the district's broad and global reach of products and services through e-commerce and digital marketing.
- Diversification of exports which is important to improve the stability of export earnings.

Working towards a Flourishing Rural Economy

The focus on far-fledged areas of the country would fuel economic activity in the rural hinterland/small towns and prepare businesses for export, not to mention aid in employment generation at the grass-root level. Besides supporting MSMEs and local artisans, logistics and agricultural sectors will also see development, a critical factor that would help India meet global expectations of delivery and quality. Additionally, Niti Aayog believes improving the export competitiveness of states could further increase their wealth and standard of living, which in turn is expected to minimize the regional disparity across states.

According to Niti Aayog's Export Preparedness Index 2021 Report, India hasn't completely leveraged the Lewis curve for low-skill manufacturing vis-a-vis more skill-intensive exports. Moreover, the report said India lags in tapping existing market potential compared to Vietnam, Bangladesh, and China, which continue to lead exports in this category. Since the nation has a comparative advantage in low-skilled exports, it must boost its manufacturing capacity to exploit this opportunity further. The focus on district hubs for export will likely address this gap.

Conclusion

With foreign trade constituting 45 per cent of India's GDP and 2021-22 being a bumper year for India's exports, marking a record-high of \$419 billion, heightened emphasis on economy-building via districts as export hubs will prove pivotal in organizing the unorganized MSME sector. Moreover, an Aatmanirbhar Bharat focused on growing all that has been ignored for decades will set the ball rolling for India to supersede global peers in exports and have a decades-long impact. □

Bangladesh Furniture Company HATIL Expands India Operations



HATIL recently launched its 26th showroom in the country, extending its presence to tier-II cities across 8 states and 2 Uts. HATIL Complex Ltd. is a three-decade-old furniture company based in Bangladesh. Started as a modest family-owned business,

Catering to varied customer tastes, HATIL designs and produces furniture in a wide range of styles, from traditional to contemporary. The brand has made a name for Bangladesh-made furniture and created demand for itself in the foreign market.

HATIL has over 90 showrooms across Bangladesh, India, and Bhutan and exports to Canada, the USA, Australia, the Middle East, and Europe. It continues to grow its global presence by expanding to new geographies.

HATIL forayed into India in 2017 with its first showroom in Zirakpur, Punjab. Despite the pandemic and lockdowns in the country, the brand has witnessed impressive growth and strengthened its foothold through its franchise stores.

HATIL has recently opened a showroom in Guwahati, Assam, with K3 Horizon as its franchise partner. Keisham Ranjan Singh and Keisham Deepak Singh from K3 Horizon

run two other HATIL franchise stores in India, in Imphal and Churachandpur, Manipur.

The Guwahati outlet is one of the largest HATIL stores in the country with a 4,500 sq. ft. display area, showcasing a large collection of living, dining, and bedroom furniture, among other items.

Speaking about HATIL's plans in India, Selim H Rahman said, "We've been in India for more than half a decade, and we understand the needs of the Indian customer. We intend to continue expanding consciously, working with local franchise holders to set up 50 stores in the next 3 years." □

Lumber futures fall to new low recently

According to the report from Market Insider in May, lumber futures fell as much as 6 percent to below \$700 per thousand board feet, its lowest level since November 2021. Quoting data from Finviz, a stock screener for traders, the Insider said that weakness in lumber can be attributed to a sharp rise in mortgage rates, which remain above 5 percent and have led to a slowdown in demand for homes from buyers.

April's existing home sales fell for the third straight month, dropping 2.4 percent from March levels, and down 5.9 percent from a year ago to a seasonally adjusted annual rate of 5.61 million. Due to the drop in demand, the inventory of unsold existing homes climbed to 1.03 million by the end of April. But while the supply of homes is slowly on the rise, home prices are still moving higher, albeit at a slowing pace. The median existing home sale price increased 14.8 percent year-over-year to \$391,200, according to data from the National Association of Realtors. □

India Pallets Market growing at CAGR of 13.9% - Saraswati Engineering Limited, Schoeller Arca TIME Material Handling

The India Pallets Market reports aims to convey a reasonable understanding of the business which has been analyzed by using primary and secondary research strategies. The major purpose of this India Pallets Market report is to provide an in-depth view and strategic analysis of the parent industry. The report examines each segment as well as their respective sub-segments present in the market in an all-inclusive manner. The report provides a deep insight into the industry parameters by evaluating the growth of the market, share, volume, projected industry trends, and the different variations in prices for the forecasted year.

Moreover, the India Pallets Market report provides even handed, objective estimation and analysis of prospects in the India Pallets Market with systematic market study report containing several other market-allied vital factors. This qualified industry analysts evaluate the cost, market share, growth opportunities, technologies, market sizing, supply chains, applications, export & import, companies, and so on, with the sole effort of assisting our clients to make well-read business decisions.

The major players operating in this market has been profiled in a manner which discloses key details about the companies, including the company overview, products and services, recent news, technological developments, innovations, revenue, key financials, and SWOT analysis.

Major Players are: Saraswati Engineering Limited, Schoeller Arca TIME Material Handling Solution, Mekins Group, Swift Technoplast Private limited, Doll Plast Pallets, JIT Wood Packaging, LEAP India Pvt. Ltd., Spanco Enterprises, Bharadwaj Packaging Private Limited, Aristoplast Products Pvt. Ltd., B.D. Industries (India) Pvt. Ltd., Total Pack, and DNA Packaging Systems

What are the key dynamic factors that are detailed in the report?

Key Market Dynamics: The Global India Pallets Market research report details the latest industry trends, growth patterns, and research methodologies. The factors that directly contribute to the growth of the market include the production strategies and methodologies, development platforms, and the product model itself, wherein a small change would result in further changes in the overall report. All of these factors are explained in detail in the research study.

Market Outlook: The report also sheds light on some of the major factors, including R&D, new product launches, M&A, agreements, partnerships, joint ventures, collaborations, and growth of the key industry participants, on a regional and global basis.

Major Features: The report provides a thorough analysis of some of the significant factors, which include cost, capacity, capacity utilization rate, production, revenue, production rate, consumption, import/export, supply/demand, gross, market share, CAGR, and gross margin. Besides, the report provides a comprehensive study of the key influencing factors and market inclinations, in addition to the relevant market segments and sub-segments.



Analytical Tools: The Global India Pallets Market report consists the precisely studied and evaluated information of the key players and their market scope using several analytical tools, including SWOT analysis, Porter’s five forces analysis, investment return analysis, and feasibility study. These tools have been used to efficiently study the growth of major industry participants.

Potential Customers: The report offers detailed insights to users, service providers, suppliers, manufacturers, stockholders, and individuals who are interested in evaluating and self-studying this market.

An Overview of the Impact of Covind-19 on this Market:

The pandemic of COVID-19 continues to expand and impact over 175 countries and territories. Although the outbreak appears to have slowed in China, COVID-19 has impacted globally. The pandemic could affect three main aspects of the global economy: production, supply chain, and firms and financial markets. National governments have announced largely uncoordinated, country-specific responses to the virus. As authorities encourage “social distancing” and consumers stay indoors, several businesses are hit. However, coherent, coordinated, and credible policy responses are expected to offer the best chance at limiting the economic fallout.

National governments and international bodies are focused on adopting collaborative efforts to encourage financial institutions to meet the financial needs of customers and members affected by the coronavirus. However, there are some sectors that have remained unscathed from the impact of the pandemic and there are some that are hit the hardest.

We, at Coherent Market Insights, understand the economic impact on various sectors and markets. Using our holistic market research methodology, we are focused on aiding your business sustain and grow during COVID-19 pandemics. With deep expertise across various industries-no matter how large or small-and with a team of highly experienced and dedicated analysts, Coherent Market Insights will offer you an impact analysis of

coronavirus outbreak across industries to help you prepare for the future.

Finally, the report majorly enlightens the key growth and limiting factors which majorly targets at the center of the market affecting the growth and its development in either positive or negative extent. The report also specifies the impact of regulations and policies implemented by the administration over the current

growth and upcoming opportunities that may lead to the market development escalation. The global India Pallets Market report offers a superior vision of the global market, which will help clients to manage the business precisely with better growth and expansion compared to its contenders in the market.

Request PDF Brochure of this report @ <https://www.coherentmarketinsights.com/insight/request-pdf/4036>. □

Altendorf advances optical safety system for circular saws



Altendorf debuts world's first hand guard and protects the most important thing in the trade, the hands from possible accidents. The Hand Guard system from the Altendorf Group is an optical safety system for circular saws. It detects hazards even before potential contact and makes the saw blade disappear via rapid lowering.

Hand Guard: Optical system for accident prevention

This world first from Altendorf is a safety system that has been awarded the OWL Innovation Prize. The innovative safety system relies on early optical detection. Two cameras detect the danger zone of the circular saw rather than capacitive sensors that measure the conductivity of the skin. The special feature of Altendorf's world first: Hand Guard reacts before the hand comes into contact with the saw blade! This makes the optical method much faster than all known capacitive systems. This is because these only stop the saw blade when there has been brief contact between the skin and the saw blade.

Hand Guard: Lightning-fast guardian angel

The Hand Guard system stops and lowers the saw blade unit within a quarter of a second -even before a dangerous situation arises. Altendorf relies on an optical system consisting of two cameras located above the sliding carriage. Software detects previously defined hazards from the camera images and stops the saw blade by rapid lowering. The sensor-controlled lowering movement not only protects the operator, but also the machine, saw blade and workpiece.



Occupational safety is an important topic in the trade, because accidents and injuries cannot be completely avoided. To prevent the risk of injury when operating a sliding table saw, Altendorf has installed a three-stage safety system. It reacts as soon as a hand comes dangerously close to the saw blade.

New standard in occupational safety

After the emergency stop, the sliding table saw is immediately ready for use again. According to the company, the system requires only 10 seconds to be ready for operation again. The Hand Guard also works with suitable work gloves and is said to be insensitive to damp wood, conductive materials and coatings. The Altendorf Group hopes the innovative safety system will set a new standard to improve occupational safety in the woodworking industry worldwide. To this end, IMTEST spoke with Managing Director Peter Schwenk about the innovative world first. □

G7 countries to accelerate decoupling of trade & deforestation, encourage sustainable tropical forestry through ITTO



A community forest enterprise in Oaxaca, Mexico. Sustainable timber supply chains have a role to play in addressing the triple crisis articulated by the G7 ministers.

The G7 Ministers responsible for Climate, Energy and the Environment have agreed to accelerate the transition to sustainable supply chains that decouple trade and agricultural production from deforestation and forest degradation and to promote sustainably produced wood and wood products, including through ITTO, according to a joint communiqué released on 27 May 2022 in Berlin. The G7, or Group of Seven, is a high-level intergovernmental political forum consisting of Canada, France, Germany, Italy, Japan, the United Kingdom of Great Britain and Northern Ireland, and the United States of America. In the communiqué, the ministers expressed “deep concern regarding the triple global crisis of climate change, biodiversity loss and pollution, recognising that these challenges are inextricably interlinked and mutually reinforcing, and that they are driven largely by human activity and by unsustainable patterns of consumption and production”. Among other things,

the ministers committed to supporting a transition to supply chains that are environmentally sustainable, net-zero-aligned and climate-resilient, reduce pollution, decouple agricultural production from forest loss and land degradation, use resources sustainably, reduce product environmental impact, foster a circular economy, and are nature-positive. According to the communiqué, one way they will do this is by promoting sustainable forest management and sustainably produced wood and wood products, including through ITTO.

The ministers said they will work with producer countries and other consumer countries, Indigenous Peoples, the private sector, non-governmental organizations, academia, international organizations and local communities “to explore opportunities to increase the coherence of approaches”. The ministers also reaffirmed their commitment to working with other developed-country parties to urgently implement the Climate Finance Delivery Plan: Meeting the USD 100 Billion Goal, and they called on all countries to scale up efforts to mobilize finance from all sources to support climate action.

ITTO Executive Director Sheam Satkuru welcomed the communiqué and expressed hope that it will encourage the delivery of more finance for sustainable forestry in the tropics.

“Sustainable tropical forestry is central to addressing the triple crisis articulated by the G7 ministers,” she said. “Forests are home to a large proportion of global biodiversity, they capture and store carbon, and produce wood and other forest products, which are vital non-polluting materials that will help power a more circular economy. It is clear that significant financial assistance is needed to accelerate these efforts. ITTO has a proven track record over more than 30 years in implementing sustainable forestry projects across the tropics, in partnership with implementing agencies. We are ready to fully support these laudable aims through the Climate Finance Delivery Plan, where actions will definitely speak far louder than words.” □

REHAU India collaborates with TITUS Group to launch hardware solutions for Indian Market

REHAU, the global leader in manufacturing polymer-based solutions, has announced collaboration with global brand TITUS at INDIAWOOD 2022. The company’s expansion into hardware is a strategic move to provide a complete solution for its B2B partners while also entering into the B2C market. India is expected to have significant expansion in real estate, particularly in the luxury segment, resulting in a desire for higher-quality, aesthetically modern furniture with long-lasting and reliable hardware components. Consumers in India are willing to invest in premium furniture components, making this a favourable opportunity for REHAU & TITUS to introduce new hardware solutions into the Indian market.

The partnership will witness the joining of two businesses

that believe in being close to their customers while providing them with cutting-edge engineered products. REHAU and TITUS will engage to deliver an exclusive selection of hardware products to customers and manufacturers in India, including Hinges, Drawer Systems, Connecting Fittings, and Damping Solutions.

On this momentous occasion, Ms. Bhavana Bindra, MD, REHAU South Asia said, “The partnership between REHAU & TITUS is going to offer premium hardware solution to the Indian market. It is a strategic partnership for REHAU where we see a tremendous market for high-quality hardware in India, and our partnership with TITUS is an excellent example of capitalizing on the opportunity. Hardware has long been an overlooked

category in the furniture industry, and we hope to raise its profile in the Indian market through our collaboration. Premium hardware adds years to the life of a product while also improving the aesthetic value of a space. We are glad to collaborate with TITUS group as we share the same philosophy of providing excellent, innovative products to our consumers. I'm delighted, and I'm looking forward to a synergistic relationship in which we can build on each other's strengths."

By remaining focused on the growing importance of quality and efficiency, REHAU & TITUS, constantly innovate to offer best solutions for a sustainable future. REHAU has a well-established network base in India with more than 1000 direct customers and upto 2500 retailers, REHAU has exceeded expectations with an enormous client base in India. REHAU is looking forward to reaching every nook and corner of the country, owing to its robust network base.

Mr. Marko Korelc, Regional Sales Director, TITUS Group said, "I am happy to announce the partnership of REHAU and

TITUS. REHAU having a widespread network base and a vast product portfolio in India, inevitably, became the first choice for us to collaborate in India. We are providing premium hardware solutions around the world for decades and now its time for India to witness the world-class component ranges. Hardware is a growing sector in India and through this partnership we are looking forward to expand our market outreach."

Apart from announcing the biggest collaboration, REHAU also showcased its portfolio for the whole furniture industry under one roof at INDIAWOOD 2022, within a sprawling area of 390sqm. The exhibition was scheduled during 2 - 6 June 2022 at Bengaluru International Exhibition Centre (BIEC). Various experience zones had been set up as part of the exhibition booth, showcasing a wide range of products. The displayed products varied from uPVC edgebands, laminates, solid surfaces, roller shutter system, and plinth system to adhesives, masking tapes and many more. REHAU also displayed its recently launched modular kitchen at the exhibition. □

IFCC becomes "first voluntary forestry certification scheme in Indonesia"



The National Accreditation Committee (KAN), an International Accreditation Forum (IAF) member accreditation body based in Indonesia, has officially operated the Indonesian Forestry Certification Cooperation (IFCC) accreditation as a voluntary forestry certification scheme. According to IFCC, this is the first voluntary forestry certification scheme in Indonesia operated by KAN.

Donny Purnomo, secretary general of KAN, stated that this certification is needed for domestic industries in order to ensure the implementation of sustainable forest management. Later, he elaborated that the IFCC certification is required to enter the market countries. For example, the Timber Legality Verification (VLK) and the Sustainable Production Forest Management (PHPL) have been accepted in Europe, however, other countries call for IFCC. "As agreed with the Ministry of the Environment and Forestry, starting last month, KAN operates IFCC for sustainable forest management. In relation to synergy, one of them is the agreement with the Ministry of the Environment and Forestry to operate IFCC private scheme in order to facilitate the exports," said Purnomo.

"This kind of synergy will be implemented continuously to oversee the need of the ministry in facilitating the export development and will be expanded to the direct industrial needs."

Moreover, KAN mentioned that as a manifestation of good forest governance towards sustainable forest management that has been built through the mandatory scheme of the Timber Legality Verification System (SVLK), the operation of IFCC as a voluntary forestry accreditation scheme can encourage and improve the sustainable forest management in Indonesia, and strengthen and fill the role of SVLK in encouraging global market demand for forest products and their derivatives.

Nurchahyo Adi, head of Certification, Accreditation & Training Division – IFCC Board of Directors, revealed that the IFCC accreditation requirements for the certification bodies that will carry out IFCC certification are that they must be IFCC accredited by an accreditation body that is a member of the IAF.

Since KAN is a member of the IAF, therefore, with the acceptance of IFCC as a voluntary forestry certification scheme that can be accredited by KAN, it will create wider access of business opportunities for domestic certification bodies in Indonesia through the submission of accreditation for the IFCC or Programme for the Endorsement of Forest Certification (PEFC) certification scheme to KAN.

Adi expressed that the process towards the acceptance of IFCC as a voluntary forestry certification scheme that can be accredited by KAN had started in 2012, then was stopped and resumed in 2018. Now the certification bodies in Indonesia can immediately apply for IFCC/PEFC accreditation, both sustainable forest management (SFM) and chain-of-certification (CoC) to KAN.

Thus, this will increase the opportunities for small and medium industries to participate in accessing the global market through IFCC/PEFC certification. □

“Largest” CLT project by Ledinek successfully put into operation at ante-holz



CLT plant successfully put into operation at ante-holz.

Ledinek has announced the successful completion of their “largest project” of cross-laminated timber (CLT) plant at ante-holz. Ante-holz chose Ledinek for their years of experience along with proven solutions in the manufacturing and assembly of complete systems for CLT plants. From contract

signing in April 2020 to project completion in February 2022, Ledinek managed to fulfil their contractual obligations within the set deadlines despite the global pandemic.

The first CLT panel was manufactured by the customer in July 2021, since then the line has been optimised for production and employee training has been carried out. Ledinek reported that the annual capacity of the line is 100,000m³ of CLT panels.

Hubert Teufel, plant manager and project manager HBS Berga, commented: “At Ledinek, the production of the most important machines is available as an overall concept for CLT production and has been tried and tested in practice. All machines for the production of CLT built by Ledinek are state of the art, and very robust and efficient.

“Since all the machines are from Ledinek, the construction process was carried out quickly and was very well planned. Some individual areas were well planned already during the construction phase, so that in the end the entire production line, which is very complex and large, could be put into operation on schedule.”

He concluded: “We would like to thank the entire team at Ledinek for their excellent work, which contributed to the success of the project, and wish to continue a good business relationship with the Ledinek company.” □

US hardwoods to India reached US\$12.22m in 2021

US hardwood exports to India has reached a new record high. In an announcement released by the American Hardwood Export Council (AHEC), both the value and volume of hardwood lumber shipped to India last year were more than double the previous high set in 2019.

The total value of American hardwood lumber, logs and veneer exported to India reached US\$12.22 million last year despite global lumber shortages, uncertainty in freight rates and availability of containers, and generally increasing prices across all species.

Overall exports of both US hardwood lumber and veneer to India were up year-on-year, while exports of logs continued their downward spiral, in line with the general shift seen in recent years by Indian buyers towards importing value-added kiln-dried lumber instead of logs.

The statistics, which have been compiled from the latest data released by the United States Department of Agriculture (USDA), reveal that total hardwood lumber shipped from the US to India increased by 292% in value to \$6.5m, up from \$1.66m in 2020, and by 288% in volume to 11,109m³, up from 2,863m³ in 2020.

At the same time, direct exports of American hardwood veneers to the market increased by 9% to reach \$2.69m. The increases witnessed last year prove that 2020 was a temporary dip in an otherwise upward trend. The value and volume of logs

exported to India declined by 3% to \$3.03m and by 18% to 5,411m³ respectively.

The top five American hardwood species exported were hickory (\$2.056m and 2,941m³), white oak (\$1.5m and 2,223m³), red alder (\$1.012m and 3,028m³), red oak (\$815,000 and 1,353m³), and ash (\$804,000 and 1,184m³).

Significant increases were seen in the value and volume of exports of all species — hickory with 141% and 115% respectively, white oak with 454% and 375%, red alder with 4,013% and 3,548%, red oak with 731% and 696%, ash with 360% and 293%, walnut with 406% and 146%, and maple with 183% and 170%.

Aiming to support and sustain this increased interest in American hardwoods, AHEC participated at INDIWOOD, held from 2-6 Jun 2022 at the Bangalore International Exhibition Centre.

“Limited domestic hardwood supplies, coupled with strong sustained growth in the retail furniture, handicraft and hospitality sectors have driven the demand for new species, making India an attractive and long-term prospective market for US hardwoods,” said Roderick Wiles, regional director of AHEC. “With India making genuine progress towards fulfilling its potential as a major market for US hardwoods, AHEC participated at INDIWOOD with an American hardwood pavilion, which included several US-based hardwood and veneer exporters.” □

Stora Enso and Modvion partner to work on wooden wind turbine towers



Test modules of wooden panels for wind turbine towers.

Stora Enso and wood technology company Modvion have partnered to establish wood as the material of choice for wind turbine towers. The collaboration’s purpose is said to demonstrate the vast possibilities in using wood in demanding constructions. Modvion builds wind turbine towers with laminated veneer lumber (LVL), which proportionate to its weight is stronger than steel. Stora Enso is a leading supplier of mass timber products, including LVL. The towers

are built in lightweight modules, enabling taller towers and easy transportation on public roads without permits or road reconstructions. Taller towers reach stronger winds, leading to more cost-efficient energy production. “We are proud to enter into partnership with Modvion who, like us, strive to push boundaries and demonstrate the possibilities with wood,” said Lars Völkel, executive vice-president of Division Wood Products, Stora Enso. “As one of the largest sawn wood producers and private forest owners in the world we play an important role in the transformation to a greener society.

“By contributing our expertise to Modvion we can further help make a difference in mitigating climate change and supporting the EU’s drive to increase renewable energy production.” Using wood, a renewable resource, can reduce the CO2 emissions for the tower by 90% while also storing CO2 that has been taken up by trees during their growth. The wood used for advanced constructions such as wind turbine towers can be reused in new wood-based products which provides further long-term climate benefits. “The commitment of Stora Enso to replace fossil-based materials with renewables is a perfect match for Modvion,” said Otto Lundman, CEO of Modvion. “To solve the climate crisis, we need more renewable energy as well as increased use of sustainable, wooden constructions. Together with Stora Enso we can enable both.” □

Wood: projected increase in Gabonese production in the 2nd quarter of 2022 thanks to the ikolo sez



According to a recent economic report from the Bank of Central African States (Beac), Gabon should experience increased wood production in the 2nd quarter of 2022, thanks in particular to the entry into production of Ikolo Special Economic Zone (SEZ).

“The forthcoming delivery of the special zone of Ikolo located in Lambaréné would make it possible to increase local production capacities in the medium term”, affirms the Central Bank. Indeed, this new special economic zone launched last March the export of its first container of veneer sheets. This first container was exported by the Indian company Greenply, the very first structure to settle in Ikolo.

Thus, for the Beac, the second quarter should maintain the upward trend in the timber sector in Gabon with an anticipated firmness of international and local demand as well as the ramp-up of new factories as part of the acceleration of the policy aimed at the transition of the activity towards the 2nd and 3rd transformations. Apart from Greenply, three other structures are also recorded in the area near Lambaréné (Middle Ogooué province), a town located 150 km from Libreville. Through the companies located there, the Ikolo SEZ plans to create 750 to 1,250 jobs for Gabonese by the end of 2023, and export between 300 and 400 containers of processed wood per month, thus generating added value for the country. □

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Biesse India Scales Market Globally in 15 Years with Exports



Biesse India, a global manufacturing firm, established its India office in 2006 with just 13 people and now successfully exports about 85% of its equipment to over 70 nations worldwide. The company, which began operations in India 15 years ago in a modest shed of about 1000 square metres in Yeshwantpur, today has two production sites in Bengaluru that span 30,000 square metres and employ more than 700 people.

Biesse in India has produced 10,000 machines in 15 years, with 70% of them being shipped to countries on six continents, including the United States, the European Union, the Middle East, East Asia, Russia, Australia, and others. The company has grown into one of the world's leading designers and manufacturers of innovative woodworking machinery, and it has expanded its product line to include machinery and systems for the glass and advanced materials processing industries.

Biesse India is Biesse Group's first production site outside Italy. This strategic investment in India was an insightful decision to develop an advanced production plant that would create employment opportunities in the country and at the same time cater quality machines needs of the small to medium sized companies across the globe.

Biesse India's expansion of its export network to more than 70 countries has had a significant impact on India's 'Make in India' objective. Over the years, the company has been actively involved in CSR activities by supporting schools, emancipation through specialised courses at the Institute of Wood Science & Technology (IWST) and the KIET Group of Institutions, the establishment of libraries, RO Water Plants, borewells, plantation drives, and a variety of other activities for the benefit of society.

Commenting on the combined efforts of the organisation, Sayeed Ahmed, CEO, Biesse India said, "Our constant strive for product excellence as per International standards has been well received and appreciated across continents."

Adding further on their core values, "Biesse India has always believed in empowering the local community by hiring local talent and onboarding local suppliers. We also try to create a progressive and encouraging working environment for everyone. The worldwide manufacturing corporation also

invests 4% of its annual turnover in research and development, and has over 200 registered patents. The R&D department has previously produced software to enhance user experience and is dedicated to bringing disruptive innovations for factory automation to market.

The company required 7 years to accomplish a total production of 2000 machines, demonstrating considerable rigour and endurance in the early years. However, with continued support from its investors and top management in Biesse Italy, Biesse India's team, including its leadership, bolstered their operations and, as of today, has attained a manufacturing capacity of 1800 machines per annum. A growth of more than 100X compared to where the company started from. Biesse India now offers 6 product lines in 100 different configurations. There is also an experience centre where 15+ machines are available for live demonstrations.

Biesse Group is a multinational leader in technology for processing wood, glass, stone, plastic, and metal. Biesse India is a direct subsidiary of Biesse Group and also the only production site of Biesse Group outside Italy. Biesse Group designs, manufactures and distributes machines, integrated systems, and software for manufacturers of furniture, door/window frames, and components for the construction, shipbuilding, and aerospace industries.

The company invests 4 per cent of its annual revenue in research and development and has registered over 200 patents. It operates through 12 industrial sites, 39 branches, 300 agents, and selected dealers, exporting 85 per cent of its production. Biesse India itself exports to more than 70 countries across continents. Founded in Pesaro in 1969 by Giancarlo Selci, Biesse Group has been listed in the STAR segment of the Italian Stock Exchange since June 2001. It currently has 4000 employees around the world. □

Wood pellets become more expensive

According to agrarheute, higher prices for gas, fuel oil, electricity and also for diesel and freight are also reflected in the prices of firewood. Wood pellets have become significantly more expensive recently. The reason is that more and more consumers are desperately looking for alternative energy sources and heating options. Gas, electricity and heating oil are simply too expensive. After a slight decline at the turn of the year, wood prices rise sharply again yet, and so do firewood prices. The new sanctions against Russia, one of the world's largest timber exporters, are expected to further reduce the global supply of all types of timber. However, many traders reported significantly higher demand for firewood even before the outbreak of the war in Ukraine. This booming demand triggered by the energy crisis is driving up firewood prices. In addition, many retailers face the sharp rise in transport costs. These make the delivery of firewood even more expensive. □



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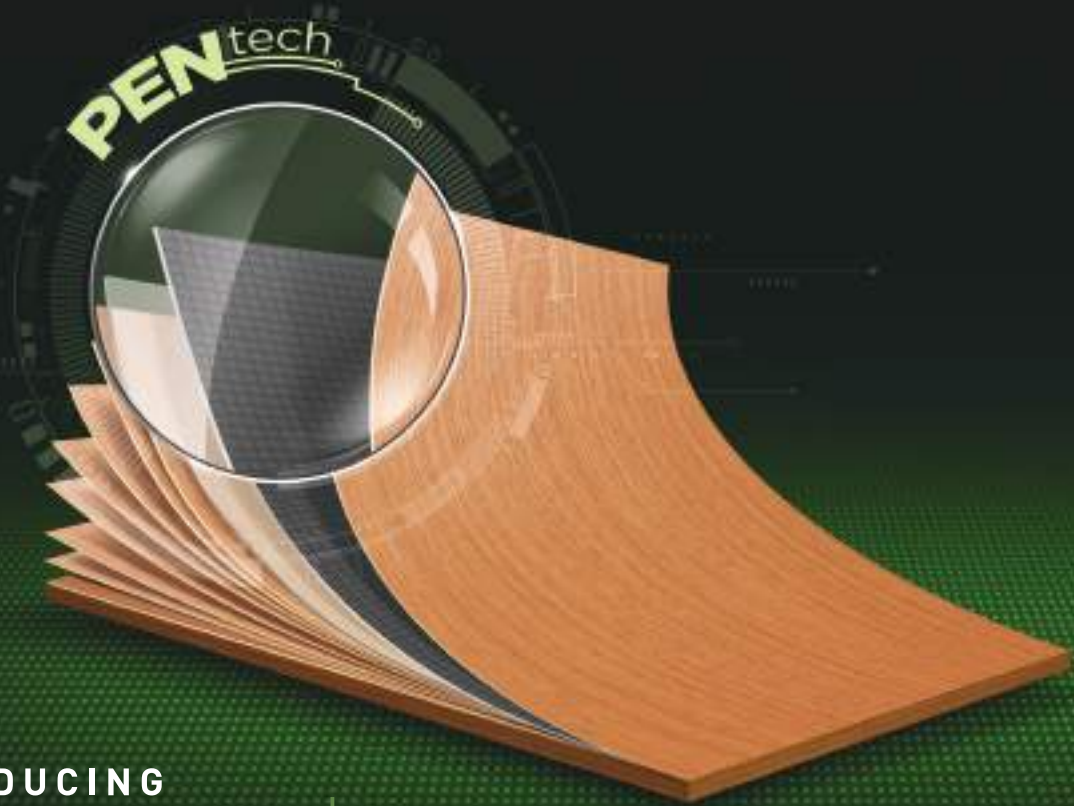
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