

# WOODNEWS

Furniture and  
Manufacturing  
Technologies

**26**  
Years

Pioneer in the  
services of the  
woodworking  
industry

# LIGNA

**DIGITISE,  
AUTOMATE,  
INTEGRATE**

**P 20**

**P 56 SPECIAL FOCUS**  
GST: MORE OF A  
BUSINESS REFORM

**P 10 FEATURE**  
READY FOR THE FUTURE  
IN THREE STEPS

**P 86**  
**Mumbai**  
**WOOD**  
**12-14 OCT 2017**  
**CRAFTED FOR SUCCESS**





1



2



3

PHOTO BY CHURCHVILLE CONTRACTING.CA

## Stunning spaces come alive with Canadian Wood

Certified, legal sawn lumber from sustainably managed forests of British Columbia

1 16-foot dining table of Spruce-pine-fir (SPF)

2 Beams & columns in dark stained Douglas-fir adorn the structure

3 Classy wooden pergola of Western red cedar

Western hemlock • Douglas-fir • Yellow-cedar • Western red cedar • Spruce - pine - fir (SPF)



AWARDED

Excellence in Executing  
Interior Designers Work - 2014

by *The Economic Times Acetech*  
- Mumbai



Defining Spaces into Masterpieces

# DEFINING SPACES INTO MASTERPIECES



**A wide range of Premium Furniture Products in Modular, Knock down and Prefab forms.**

**State of Art Manufacturing facility with cutting Edge technologies**

**A one stop Interior Fit out Provider**

**NARSI INTERIOR INFRASTRUCTURES PVT. LTD.  
NARSI & ASSOCIATES**

(An ISO 9001:2015 Certified Company, Crisil Rating: SME-1)

515/522, Laxmi Mall, Bldg. 5, Laxmi Industrial Estate, New Link Road, Andheri (W), Mumbai- 400 053.

Tel : +91-22-42505555 Fax : +91-22-42505577 Email : mail@narsi.in Website: www.narsi.in

STAND UP  
FOR YOUR  
HEALTH.



ebco.in

Worksmart  
by ebco

Smart Lift: Height adjustable table legs that give you flexibility to work sitting down or standing up

Ergonomically designed for physical comfort and ease of use, reducing fatigue and decluttering work spaces. We are the leading manufacturer of Hardware and Furniture Fittings in India.



Smart Lift Pro - 1



Articulated Keyboard Station



Computer Wall Station



Combination Lock



Monitor Arm



Electric Box



Table Partition Clamp



Simplifying lives.

+91 22 67837777 Toll Free: 18001201122 info@ebco.in Now buy online at [shop.ebco.in](http://shop.ebco.in)

NATIONAL DISPLAY CENTRE: Mumbai: 022 67837777/88 | Pune: 9860244499/9921999777 | Nagpur: 0712-2221637/38/9823013608 | Indore: 0731 2572765/2577656  
Ahmedabad: 9998053821/9374388855 | Surat: 0261-2543312/2544281 | Hyderabad: 040-23557252/09666152786 | Cochin: 0484-2344672/9496525019  
Chennai: 044-24611937/24620328 | Coimbatore: 0422 -4356389/9443310012 | Bangalore: 9845123554/ 8123113218 | New Delhi: 011-25457584/9899112958  
Lucknow: 9838201783/9628368705 | Raipur: 0771-4032771/ 7773014904

**TAIWAN**

**CANADA**



**INDIA**

**HOLYTEK**

MAXIMIZE YOUR  
CREATIVITY  
FOR WOODWORKING



SERVICE



**SWEDEN**



**RUSSIA**

Product Range: Holytek is an expert in both Solid Wood & Panel Processing.

**World Class Quality Equipment & Service  
for Maintaining Your Global Edge**



High Speed  
Double Surface Planer



Straight Line Rip Saw



Finger Joint Line



Hydraulic Clamp Carrier

**HOLYTEK**  
INDIA

**HOLYTEK INDUSTRIAL CORP.**

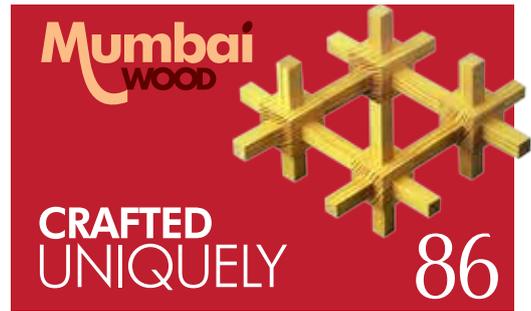
9F-1, No. 400, Sec. 1, Chang Ping Rd., Taichung, Taiwan  
Tel: +886-4-2245-2818 (Rep.) Fax: +886-4-2243-6928

E-mail: [holytek@holytek.tw](mailto:holytek@holytek.tw)  
<http://www.holytek.com.tw>

**HOLYTEK INDIA** a division of **WOODTECH** E-mail: [info@woodtech.in](mailto:info@woodtech.in) [www.woodtech.in](http://www.woodtech.in)  
M/S WOODTECH CONSULTANTS PVT LTD. Tel: +91-080-2836-4584/85 Fax: +91-080-2836-1166

# Contents

JULY - AUGUST 2017



## FEATURES

- 10 Homag's networked workshop gets you ready in three steps
- 16 CLT is low on cost and easy to use

## COVER STORY : Ligna 2017

- 20 Ligna: Go digital, automate, integrate
- 24 New Launches from AKE, Altendorf, Barberan, Ceflat, Ceratizit, Combilift, and more..

## SPECIAL FOCUS

- 56 GST is more a business reform

## EVENT REVIEW

- 60 AHEC sees increasing opportunities in India
- 62 Interzum showcases tomorrow's living spaces
- 66 New launches at Interzum from AHEC, Casetur, ICA, etc

## EVENT PREVIEW

- 84 Focus on Furniture, Lighting, Upholstery at IndiaWood
- 86 40% jump in visitor registration at MumbaiWood

  
**vir prelam**

IS: 14587 : 1998  
  
CML: 6200030374

  
**vir mdf**

IS 12406 : 2003  
  
CML : 4737475



**Toll Free No.**

**1800 233 7952**

 +91-79-61400400

 +91-79-61400401

 info@rushil.com

 www.vir-mdf.com

# Contents

JULY - AUGUST 2017



88



90



104

## EDUCATION

88 WeCan organises Carpentry workshop

## ENVIRONMENT

90 ISRO predicts huge forest cover loss by 2025

## PRODUCTS & PROCESSES

92 Bessy, Jai, Lamello, Lifestyle, Sauerland, Woodfilter, etc

## MAINTENANCE CORNER

104 Jai's J-50T Cold Press Machine

# WOODNEWS

Founding Publisher | Gouri Ramakrishnan

Founding Editor | Dr. Joseph George

Chief Editor | Dhananjay Sardeshpande  
dhananjay@pdatrademedia.com

Copy Editor | Roy Thomas  
roy@pdatrademedia.com

Vice President - Publications | Tony Doulton  
tony@pdatrademedia.com

Manager - Advertisement | Fabian Roberts  
fabian@pdatrademedia.com

Assistant Manager - Advertisement | Sakthi Damodharan R  
sakthi@pdatrademedia.com

Executive - Circulation/Admin | Chandrababu M  
chandru@pdatrademedia.com

General Manager - Design | Infant Vikas  
vikas@pdatrademedia.com

Manager - Design | Ramesha K S  
ramesha@pdatradefairs.com

Layout | Govindaraju S | govind@pdatradefairs.com

Taiwan, China and Hong Kong:

Robert Yu, Worldwide Services Co., Ltd., 11F-B, No. 540,  
Wen Hsin Road, Sect. 1, Taichung, 408, Taiwan.  
Tel.: +886-4-2325-1784 Fax.: +886-4-2325-2967  
Email: erin@dacw.com.tw

Printed by:

Repromen Offset Printers Pvt. Ltd., Bangalore, India.

WoodNews is published bi-monthly by PDA Trade Media, a division of Pradeep Deviah and Associates Pvt. Ltd. Material from the magazine may be reproduced, in part or in full, only with prior permission and giving due credit to the source. Articles express the views of the authors, not necessarily those of the management. No responsibility is undertaken for the absolute accuracy of information published. All correspondence, including material for publication, may be addressed to the Chief Editor.

ISSN No. 0971-6734



**PDA Trade Media**, A Division of Pradeep Deviah and Associates Pvt. Ltd., 32/2  
Spencer Road, Frazer Town, Bangalore, 560 005, India.  
Tel.: +91-80-4250-5050 Fax: +91-80-2551-3078

Chairman | Pradeep Devaiah

Managing Director | Srinivasan S.

Official Magazine of:



Representative  
Member for India:



**WOODNEWS**  
e-Newsletter

Receive news updates on  
fortnightly basis. To sign  
up visit: [www.woodnews.in](http://www.woodnews.in)

Now available online at:



Technology Category



Declare Your  
Style Without  
Words

*Take Notes*

*Mirror Mirror!*

All You Need To  
Up Your Space

express  
your  
reflection

- HIGH-GLOSS FINISH
- VARIED TEXTURES • ANTI-SCRATCH
- ENDLESS PALETTE

*High Gloss Acrylic Panels with European Technology*

Mirror Gloss & Ripple Free

European Acrylic Surface

Anti Scratch Surface

German Adhesive Technology

India's Widest Range of Colours

Available on MDF, HD-HMR & Plywood

+91 880 27 27 127

www.ornare.in

info@ornare.in

**GURGAON**  
Decora Kitchen  
Interiors Pvt. Ltd.  
09711170307 / 09911332672

**BENGALURU**  
Decora Kitchen  
Interiors Pvt. Ltd.  
08802727127

**NEW DELHI**  
Topaz  
Enterprises  
09818496926

**CHENNAI**  
Orca  
International  
09840041445

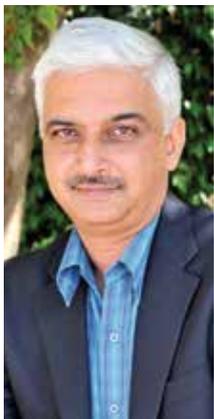
**JAIPUR**  
Wow  
Furnitech  
09772903050

**CHANDIGARH & PUNJAB**  
Alcoplak  
Furniture  
09888000022

**HYDERABAD**  
Sri Kusumahara  
Enterprises  
09246189003 / 09246390307

**MUMBAI**  
Tataria's Hardware  
Innovations  
0773825115

## An ambitious journey



Dear Readers,

By shifting the focus of the system from production to consumption, the new Good and Services Tax (GST) base now has a wider set of digital and centralised transactions. It eliminates having to pay multiple taxes at multiple geographical locations, and puts an end to cascading – paying tax on tax. Apart from increasing the efficiency of tax collection, the system aims to spread the net far and wide. Simultaneously, it links compliance to incentives for the whole value chain involved in generation and consumption of goods and

because it will either hurt his supplier, vendor or customer. If even one person defaults, the entire chain of transactions is either rejected or subject to the taxman's scrutiny! This has been done to ensure greater compliance with the law. In other words, it is a big "no-no" to carrying on with unorganised business in a parallel "black" economy.

Needless to say that along the way there will be changes to make up for the deficiencies, to iron out any remaining points of dispute and concern, and to balance out inequities. In the words of the ancient Chinese philosopher, Lao-Tze, "The journey of a hundred miles must begin with the first step." It was a happy moment when India set out on this new journey!

As we go to print, there's news that the World Bank's board of directors has approved US\$ 250 million in funding for the Skill India mission. It will be mainly utilised in short-term skill development programmes, between 3 and 12 months, at the national and state levels. Under the programme, adults in the 15-59 age range, under-employed or unemployed, will benefit from the skill training. That too is good news!

# FROM THE EDITOR

DHANANJAY SARDESHPANDE

services. In many ways it will change, for the better, the way we do business!

Although the basic premise of these tax reforms is to lower rates and eliminate exemptions, the five slabs of taxation (0%, 5%, 12%, 18% and 28%, plus cess) are seen as increasing the chances of classification disputes and litigation. Multiple rates increase the complexity of the processes, as well as the cost of compliance. High rates are known to encourage tax evasion. But one must bear in mind that the high rates and multiple slabs are probably the result of a very complicated political compromise achieved in the multi-state (and hence multi-party) GST Council.

Now here comes the most important part: No one business entity (supplier/ manufacturer/ vendor/ distributor/ C&F agent/ consumer) in the farm-to-market value chain can evade tax

### Correction

In *WoodNews* of March-April 2017 (Vol. 26, No. 6, Page 98) the design of the upcoming workshops on CEPT's campus in Ahmedabad was wrongly attributed to Mr. Gurpreet Singh. The architect for the said project is, in fact, Mr. Gurdev Singh of Gurdev Singh Architects. The Editor extends his apology to anyone affected by the misrepresentation.

## STAYING IN TOUCH

In keeping with the times and for ease of communication, WoodNews has discontinued the printing of Business Reply Envelopes with each issue of the magazine.

However, we continue to welcome your views and reviews of happenings in the industry, your contributions to and suggestions for the magazine, as well as business proposals via email.

For Editorial content: [dhananjay@pdatradedmedia.com](mailto:dhananjay@pdatradedmedia.com), or [editor@woodnews.in](mailto:editor@woodnews.in), or call +91-80-42505036.

For Advertising options: [tony@pdatradedmedia.com](mailto:tony@pdatradedmedia.com) (+91-80-42505059), or [fabian@pdatradedmedia.com](mailto:fabian@pdatradedmedia.com) (+91-80-42505065).

For Circulation and Subscriptions: [chandru@pdatradedmedia.com](mailto:chandru@pdatradedmedia.com) (+91-80-42505054).

If you prefer to communicate by snail-mail, you are welcome to write to us at: WoodNews Magazine, No. 32/2, PDA House, Spencer Road, Frazer Town, Bengaluru-560005. (+91-80-42505000).

We look forward to hearing from you soon!

# FELDER HAS BEEN A DEVELOPMENT PARTNER FOR US



*In the last 4 years, we have doubled our production levels. Currently manufacturing retail fixtures and residential furniture, we plan to enter the high-end finish premium residential furniture market. With our plans to expand twice of our current capabilities, FELDER will always be our first choice!*

*- Mr. Rajesh Sharma  
Kalatmak Spatial Systems, Bangalore*



We are your woodworking machine specialists for industry, business and hobby use

## FELDER GROUP INDIA

**Mumbai (Headquarters):** 302, Western Edge 1, Above Metro, Western Express Highway, Borivali (East), Mumbai - 400066

**Bangalore:** 371 & 372, 10th Cross Road, 4th Phase, Peenya Industrial Estate, Bangalore 560058

**Delhi:** F-441, Sector 63, Noida 201301

**Pune:** Plot No. 596, S. No. 78, NDA Road, Shivane, Pune 411023

[www.felder-group-india.com](http://www.felder-group-india.com)



Request your free catalogue now!

Mumbai: 022 3373 4300-98

Bangalore: 080 4157 3661

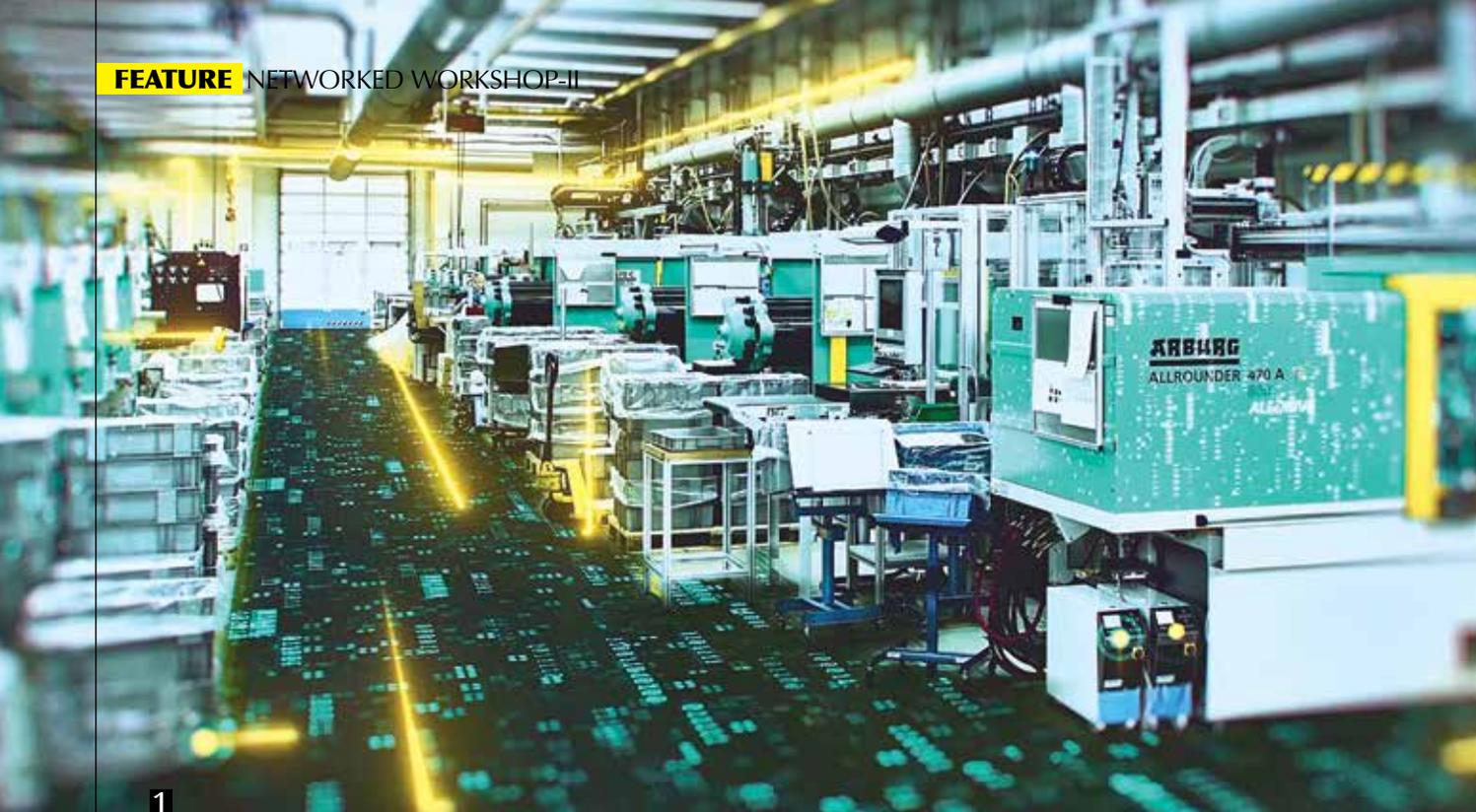
Delhi: 012 0455 4344

Pune: 090 2250 7004

[info@felder-india.com](mailto:info@felder-india.com)



**Machines + Tools  
for woodworking**



1

# Ready for the future in three steps

‘Industry 4.0’ is the new buzz word in the wood processing industry. The core aim of this standard is to network machines, electronics and data. But how can trade, businesses and medium-sized companies start conceiving the idea of networked production?

Today, anyone who thinks progressively and is keen to stay in the race towards modernisation is embracing the ‘Industry 4.0’ trend as a step in the right direction. In addition, the digitalisation of production processes is being heavily promoted from many different perspectives – be it from the economy, politics, media, competition or end customers.

The production systems in the carpentry trade and the furniture industry are facing major changes, making it essential for all companies, regardless of their size, to use the opportunity and engage with the topic of networking.

Every company is structured differently, has a unique pool of machines, its own software structure, individual processes and various customer requirements to meet. In addition, the internal processes of many companies have developed over time – and frequently these processes are no longer efficient enough in the face of current developments.

All this leads to a situation where companies are losing their ability to compete. In such cases, it becomes necessary to question the processes in place and the current information flow in order to optimise or re-design these elements from scratch.

Despite companies being structured differently, one thing that is very clear is each company’s path forward is different. The following questions will help you understand your company and arrive at specific solutions:

- How does information flow from the office to production and from order receipt to shipping?
- Which software and IT systems are in use?
- How are parts lists created: manually or automatically?
- Is the current system able to deal with variation, and how are changes to dimensions, colours, decorative elements and materials conducted?

**1** *In order to compete, it becomes necessary to question current processes and information flow in order to optimise or re-design these elements.*

- How is the company organised?
- Where would I like my company to be in 5 years?

An outside perspective often helps when it comes to intelligently and efficiently tackling the topic of 'Industry 4.0' and, therefore, the digitalisation of production processes. The different areas can be analysed in cooperation with consulting experts who can draw on previous experience with trade businesses.

The results of these analyses form an excellent foundation from which to embrace the concept of networking. Even small measures can have a significant impact on this path.

**Data and software**

Having the right software systems and data generated from these systems are crucial factors. They make launching a networked workshop and networked production process possible as no workshop concept can be operated without data. Any company can set out the right groundwork for success relatively easily. The process of embracing networking for trade businesses can be divided into three levels:

- Networking the office and production
- Optimising process planning and automating the creation of production data
- Optimising production processes
- Networking the office and production

Firstly, the necessary infrastructure must be developed. This involves networking all the machinery, relocating functions from the workshop to the office, and creating a central data storage concept.

These measures instantly yield numerous benefits. If the CNC programming is moved to the office, the capacity of the machine is increased. This step also ensures that the data

is validated in the office, and only properly formatted data is passed on to the machine.

Work pieces are clearly assigned to production data and processes with the help of a label with a bar code. The machines automatically obtain the necessary CNC programs and additional work steps, such as assembly or commissioning tasks, are simplified.

At the same time, fewer errors occur as a result of incorrect entries, which, in the worst-case scenario, would otherwise result in a crash and cause machine downtime.

If all machines are "networked", the effort needed for data management is minimised and redundancies no longer exist. The CNC programs are saved centrally on the server, allowing new programs or changes to be available instantly on all machines. The throughput time for each order is also reduced, which can be a great advantage in a competitive market.

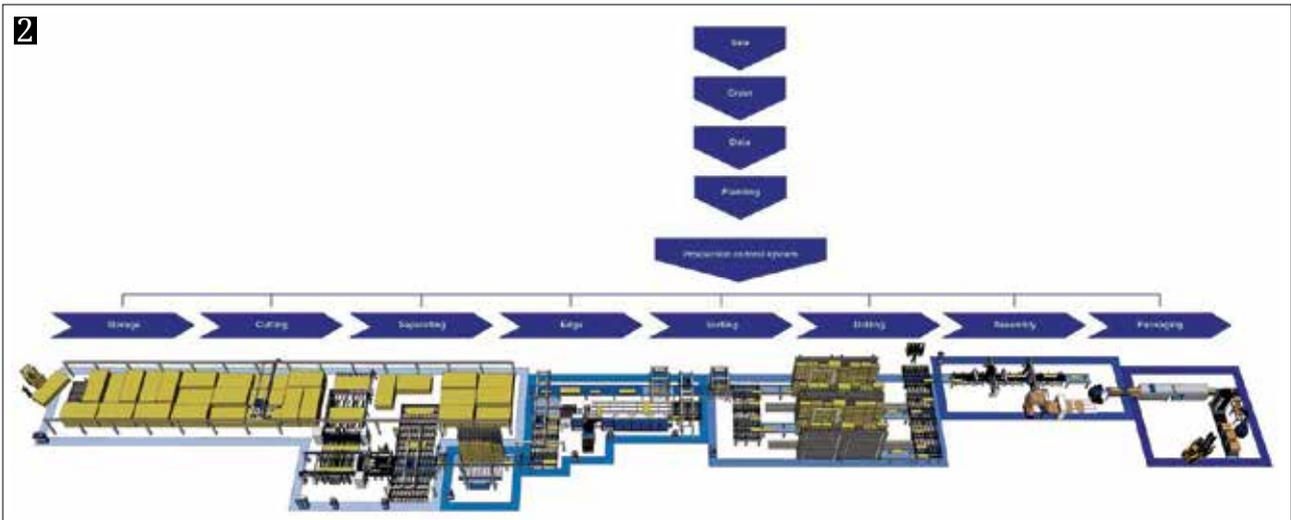
**Order to production**

Phase II focuses on the optimisation of IT processes during work preparation. The key question is: How do you get from the customer request to your production data?

The basic requirement for efficient production of customer-specific items is that the customer order is recorded in the IT system in a graphically, commercially and technically clear and distinct manner, meaning that all requirements are fulfilled for creating a parts list and a CNC program (drilling, contour trimming, etc).

The industry system delivers all data for each part to ensure consistent processing along the entire process chain (cutting, formatting, edging, sanding, drilling, fixture positioning, installation). This is achieved by using an industry system or a CAD-CAM system.

2 The organisation of production will be increasingly supported by software that covers production and capacity planning to order and parts tracking, order picking and shipping.





3

A system of this nature provides a more efficient configuration for work preparation and reduces the number of manual steps. Production throughput times also become shorter, since complete production information – wood list, label, CNC programs, drawings – are available for all of the elements being manufactured. Errors and unnecessary queries are avoided too.

3 *Production control systems, such as Homag's WoodFactory, can be useful, especially in medium-sized businesses.*

In the future, the organisation of production will be increasingly supported by software that covers areas from production planning and capacity planning to order and parts tracking, right through to the organisation of reworking, order picking and shipping.

This is where production control systems such as Homag's WoodFactory can be useful, especially in medium-sized businesses. These systems make the production process more transparent. Questions such as "Are all of the components for an order ready?" and "Is there enough capacity to process the order?" can be answered in real time.

The component becomes a smart work piece: all the relevant information about this item can be retrieved at any time, and every component is always available at the right workstation at the right time. This arrangement allows reworking or commissioning tasks to be organised in the optimum manner too.

### Workshop organisation

If new software is introduced, it is best for this to happen in small steps so that the company and employees have the chance to get used to it. There are systems available in the market that has a modular design.

A relational database that contains the data

for all the modules is supplied with these systems. The various modules can be implemented on a step-by-step basis, ensuring that the associated costs and familiarisation time remain manageable.

The most efficient companies are those that look into logistics and ask if the necessary materials and auxiliary materials are available at the right place at the right time, or is the workshop organised in a proper manner.

In a production control system, the data flow is consistently and clearly organised during production. The system creates supply lists for every workstation or machine, which are then used to make materials from the warehouse available for further processing.

Whether all parts in an order are present at any given time when packaging parts (flat pack, deconstructed furniture) or assembling cabinets can be verified.

If the furniture is packaged, a sticker is automatically created for the purpose of clearly identifying the package in subsequent processes: during loading and delivery.

A production control system ultimately enables the status of each part to be tracked during production. The system shows where the part is located, what needs to be reworked and when the exact delivery date to the end customer will be.

### Understanding networking

Every company has the opportunity to prepare itself for the future, irrespective of its size. This is a period of intense change. Without networking or the correct software and an appropriate data flow, it will only become more difficult over time to work in a fast and efficient manner.

This becomes even more relevant as competitors also develop and exert increasing pressure from a global perspective. Whether it happens in the short term or long term, it will not be possible to compete with shorter delivery times, increasing quality requirements, greater cost efficiency and growing price pressure if you keep using old systems and processes.

Embracing the concept of networking is easier than you think. Networking obviously brings with it the need for change, but it also offers great opportunities. The best time to engage with this topic is now!

*-This is the concluding article on networked workshops. To read the first part, look up the May-June issue of WoodNews.*

Meeting your customer needs  
Managing your complexity  
Increasing your productivity  
We are **YOUR SOLUTION**



## **HOMAG – YOUR SOLUTION FOR THE FURNITURE INDUSTRY.**

Your customers demand more individuality. You want more productivity. Choose a partner that provides both: HOMAG. With a great deal of system expertise, end-to-end software and comprehensive industry knowledge. With tailor-made machines from all performance classes that are ready for Industry 4.0 and which produce 250,000 items of furniture per day all around the world. That makes HOMAG your solution. [www.homag.com](http://www.homag.com)

**HOMAG India Pvt. Ltd.**

No. 88, Industrial Suburb, II Stage, Tumkur Road | 560022 BANGALORE | Phone: +91 80 23575422 | [info-india@homag.com](mailto:info-india@homag.com)

# Fevicol Adhesive Solutions for Woodworking Applications



## Fevicol Hotmelt Products

Fevicol's range of edge banding adhesives has several options for manual as well as automatic machine applications. All the products provide good adhesion properties with excellent resistance against heat, cold, moisture and oxidation.

Fevicol Hotmelt AMT Transparent (unfilled) & Fevicol Hotmelt AMT Clear (filled) are ethylene vinyl acetate (EVA) based thermoplastic adhesives recommended for throughfeed edge banders. They can be used with PVC, PP, ABS, veneer, polyester or melamine resin edge bands. Fevicol Hotmelt 382 (filled) Fevicol Hotmelt MNL Clear (filled) & Fevicol Hotmelt MNL Transparent (unfilled) are specially designed for manual edge banding machines. It can be used to apply PVC, HPL, ABS or solid wood onto MDF or particle board.



## Fevicol SWR Range

Specially designed for the handicraft industry, this Polyvinyl Acetate based white adhesive meets the DIN EN 204 Stress Group D3 Standard. It is suitable for all types of wood working applications and provides very high water resistance and excellent bonding in lamination with all grades of wood, even in high humidity areas. Fevicol SWR Plus is specially designed for application in cold weather conditions. SWR EQ has even better cold weather performance and can achieve D4 standard by adding 5% isocyanate. SWR LV has very low viscosity. All are non-flammable and non-toxic with REACH Compliance, Low VOC (Volatile Organic Compound) Certification and Free Formaldehyde Certification.

## Fevicol Probond

This water/synthetic resin based emulsion adhesive is suitable for lamination of primer coated PVC sheet to MDF. It is also used for manual edge banding of primer coated PVC Strip to MDF, particleboard, ply etc without using any edgbanding machine, making it highly economical. It has excellent bonding compared to solvent based adhesives, as well as high heat resistance, easy applicability and low VOC



## Fevicol SH

The classic PVC white glue for wood to wood bonding features unsurpassed bonding strength, good resistance to water and heat, higher coverage and good value for money. It is not only a leading brand in India, but also the most successful brand in the world in this segment, being exported to over 50 countries.



## Fevicol SP Range

This range of sprayable, synthetic rubber based solvent borne contact adhesives can permanently bond painted steel, plywood, chipboard, PU foam, muslin, foam rubber, felt, fabric, leather or many other materials. SP-4 is the basic version. SP-5 is specially designed for the automotive industry and is also used to make writing boards using honeycomb cardboard and white laminates. SP-6 also has high heat resistance.

## Membrane Press Range

Fevicol Membrane PU is a solvent based polyurethane contact adhesive used to bond PVC foil to MDF, plywood or other materials. It is ideal for door manufacturing, with low activation temperature, fast drying time and good bond strength.



Fevicol Membrane Press Star 2K is a two-component water based synthetic adhesive used to bond PVC film laminate to wood based panels in the modular furniture, modular kitchen and doors industries. It has excellent heat resistance, low activation temperature and high green tack. It is non toxic and non flammable.

## Fevicol Membrane Press Adhesive LC.

Fevicol Membrane Press Adhesive LC is a water based adhesive, specially designed for applications in PVC moulded doors. The unique formulation ensures high green tack resulting in strong bonds on difficult substrates. The product does not release any harmful emission and is safe for users with no adverse effect on the environment.



The product can be easily applied using an air compressed spray gun. Its distinctive features ensure effective deposition on the substrate resulting in higher coverage. Since the adhesive is water based the spray gun can be cleaned with tap water. When used with 5% Membrane Press Hardener the heat & water resistance properties improve vastly. This product bonds PVC to most of the wood substrates like MDF, particle board etc. The mixture with hardener has a pot life of 3 to 4 hours. Higher coverage of 6 to 7 doors compared to 4 or 5 doors in solvent based systems. No volatile losses in this water based system.



WHY LOOK ELSE WHERE?

## FEVICOL HOTMELT

THE ANSWER TO ALL YOUR EDGE BANDING  
ADHESIVE SOLUTION



Increases furniture longevity

Aesthetic appeal

Suits PVC tapes of varied thicknesses

Clear glue line

High bond strength

**Pidilite Industries Limited**

Ramkrishna Mandir Road, PO Box No. 17411, Andheri E, Mumbai 400 059  
T 022 2835 7000 | E [headsales@pidilite.co.in](mailto:headsales@pidilite.co.in)



# Ease of construction, low on costs

All-wood buildings open up new avenues for sustainable softwood extraction, construction industry

*By Tim Locke*

In 2016, I had the fantastic opportunity to join people from Business Oregon on a visit to the United Kingdom to learn about cross-laminated timber (CLT) use there. My biggest take-away from the trip is we have a lot to learn from our friends across the pond.

The first CLT building in the UK was built in 2003. Since then, about 500 more buildings have been constructed there from CLT. That's somewhat remarkable, given that the UK's land base is slightly smaller than the state of Michigan. But at one-fifth the US population, it is also one of the most densely populated countries in Europe, which helps explain the need to build up and not out.

Why is CLT so popular in the UK? I learned the primary reason it was able to gain an initial

foothold in the country was government officials' recognition of wood's sustainability benefits.

Since the early 2000s, Great Britain has placed a heavy emphasis on combating climate change. They quickly recognised that wood is the only major building material that actually stores carbon removed from the atmosphere and, therefore, began favoring it as a building material.

## 'Wood First'

A proposed "wood first" policy, though not formally adopted, has gained support not only from the timber industry but also from sustainable forestry advocates who rightly recognise that increased demand for wood



products creates demand for greater forest cover.

One of the visits we made on the trip was to Eurban Ltd., a timber engineering contractor that helped get the first CLT building in the UK built. The firm has since been involved in more than 250 CLT projects there. The founding director, Mr. Jonathan Fovargue, told me, “From a sustainability standpoint a lot of initial emphasis was placed on energy-efficiency measures to reduce a building’s operating energy consumption. But, because of the carbon storage capacity of wood and the emissions saved by not using more energy-intensive products like concrete, you can offset decades of in-use emissions, simply by choosing to build with CLT.”

**Not expensive**

That concept was of great interest to government officials, leading them to favour wood for public works projects. I learned that most of the earliest CLT projects in the UK were educational buildings because there was a big need for new educational infrastructure at the time and because the efficiency and speed of CLT construction allowed schools to be built much more quickly, reducing disruptions to students and teachers.

As more and more CLT buildings went up, the construction industry began to notice that not only could these projects be constructed faster



**1** The earliest CLT projects in the UK were educational buildings because the efficiency and speed of CLT construction reduced disruptions to students and teachers.

**2** Projects of 15-20 stories with glue-laminated frames and CLT cores, floors and walls are also being planned in the UK.

but they were also no more expensive than those using traditional materials. This got the attention of private developers, to whom things like sustainability and carbon storage are nice bonuses but savings in time and money are the real game-changers.

Those early public works projects helped prove CLT could deliver on these metrics as well. ▶



3

3 Savings in CLT construction are derived from speed and ease of building and lower material costs.

We visited with a noted architect, Mr. Andrew Waugh, who was promoting the notion of taller wood buildings. He had a hand in designing the UK's first CLT building 3 years ago and now says all the buildings his firm designs are planned in timber.

"The UK does not have the seismic issue we have to deal with here in the Pacific northwest, so 10-storey CLT buildings are no problem," Waugh says. He also mentioned that projects of 15-20 stories with glue-laminated frames and CLT cores, floors and walls are also in the works.

**Big projects**

We also had the opportunity to visit Legal & General Homes, a new modular housing factory that expects to produce 3,50,000 CLT houses annually once it starts production. It has the world's largest CLT press, capable of making panels 20 metres long and 6 metres wide.

When fully operational, the plant will use 10 truckloads of lumber each day, converting it into CLT panels and assembling those into houses, complete with cabinetry, windows and doors, plumbing and light fixtures.

At the other end of the factory, completed modular housing units are loaded on trucks and delivered to construction sites where they are assembled in a few hours and only need exterior cladding before being move-in ready.

Another highlight of the trip was meeting with Mr. Kay Hartmann. He is the technical director of KLH, an Austrian CLT manufacturer, who confirmed that education buildings were the first and is still the biggest market because public works projects have a responsibility to be both sustainable and cost-effective.

He remarked that the savings were derived from speed and ease of construction as well as lower materials costs. CLT represents an excellent opportunity for American softwoods and a lot can be learned from those who got started before us.

A winner of the US Department of Agriculture's Tall Wood Building Design Awards, a 12-storey is being framed entirely in wood in Portland, Oregon. The building will have a glulam posts and beam structure with CLT used in diaphragm applications, as well as vertical wall applications.

CLT is being use in a wood rocking wall system to meet seismic requirements. This wood rocking wall system is a first of its kind, using technology borrowed from the concrete construction industry. It is scheduled to be completed in late 2017 or early 2018.

- The writer is Director of Forest Products, Oregon Forest Resources Institute, US.

# 3D Variopress® – Systems

**WEMHÖNER**



**TECHNOLOGY BEYOND SURFACES**

Wemhöner 3D Variopress® systems: Designed and constructed in dialogue with our customers. Manufactured in accordance with the strictest German quality standards. Installed in our customers' facilities around the globe. Day after day, over 800 Wemhöner Variopress® systems laminate three-dimensional components. They stand for our vision of finishing in the third dimension.

Our partner in India:

**NITSHAW**

#003, Bhagini Regency,  
PWD Main Road, B. Narayanpura,  
KR Puram, Bangalore - 560 016  
Karnataka, INDIA

Fon +91 80 2851 0199

info@nitshaw.com

www.nitshaw.com

www.wemhoener.de

# Go digital, automate, integrate

Biennial woodworking trade fair delivers big on innovations, provides impetus for 'Industry 4.0' targets



Ligna 2017 delivered big in terms of innovations and global appeal, and imparting new impetus for the wave of digitalisation currently redefining the woodworking and furniture manufacturing industry.

Throughout the 5 action-packed days, 'Industry 4.0' concepts were the dominant theme, with major emphasis placed on digitalisation, integration and automation.

The exhibitors covered everything, from sophisticated approaches to plant integration, right on down to entry-level systems for skilled trades, thus offering the right technology for any scale of operation.

Ligna 2017 also featured a new site layout and an array of display categories chosen to reflect the increasing technology convergence between the skilled trades and industry.

"The new layout has proven to be a great success. Our customers have found it very easy to navigate," remarked Mr. Wolfgang Poschl, Chairman of the woodworking machinery division of Germany's Mechanical Engineering Industry Association (VDMA).

"Ligna 2017 will go down as a milestone in the digitalisation of the wood industry," said Dr. Andreas Gruchow, the Deutsche Messe Managing Board member in charge of Ligna, at the end-of-show press conference in Hannover.

More than 1,500 exhibitors, including 900 from abroad, were on hand to showcase innovative plant, machinery, tools and solutions on some 1,29,000 square metres of net space.

Ligna 2017 attracted a total of 93,000 visitors, including some 42,000 attendees from outside Germany who had come to Hannover from more than 100 countries. The show's increasingly international turnout was reflected in the figures for virtually every corner of the globe, and particularly for Asia, North America and Europe.

The top 10 visitor nations after Germany were France, Austria, the United States, Sweden, Belgium, Spain, China, Poland, Italy and Russia. The special highlighting of surface technology at the show also met with very enthusiastic response, with one in three visitors expressing an interest in the topic.

## VR and robotics

Market leaders used the flagship fair to introduce new software for integrating the complete range of plant components. In line with the mega-theme of 'Industry 4.0', visitors

were especially interested in the trend towards visualising process and work steps.

The wood industry's capacity for innovation was showcased via solutions ranging from a service app for machine monitoring to a digital graphical operator saw guide, plus a bucket camera system for wheel loaders.

Cloud-based digital twins of tools and machines were used to present effective processes for faster machine commissioning and life-cycle documentation.

A further key trend at Ligna consisted of ways of significantly boosting production efficiency with minimal demands on the operator. One exhibitor presented the first-ever "three-click" process for producing a complete item of furniture.

In the area of machine components and automation, robots continued their forward march.

The first Ligna training workshops for joiners, cabinet makers, carpenters and mobile assemblers were held with such training partners as Festool, Jowat, Mafell and Dr. Koch from the Thünen Institute.

The speakers communicated their knowledge and expertise on technology applications in the skilled trades in nine training workshops.

Participants were given the opportunity to put the manually-operated woodworking machines through their paces, under the watchful eye of expert technicians.

The Ligna programme also featured a series of brief presentations on the processing of plastics and composites at the Robotation Academy. Industry experts were on hand to share information and ideas on current themes and trends.



Many exhibitors featured displays showing that woodworking machines can work not only with wood, but also with plastics, composite panels, and insulation and building materials. These applications are ideal for caravan and boat construction and for the interiors of vehicles, ships and aircraft as well as for plastics production.

### New layout

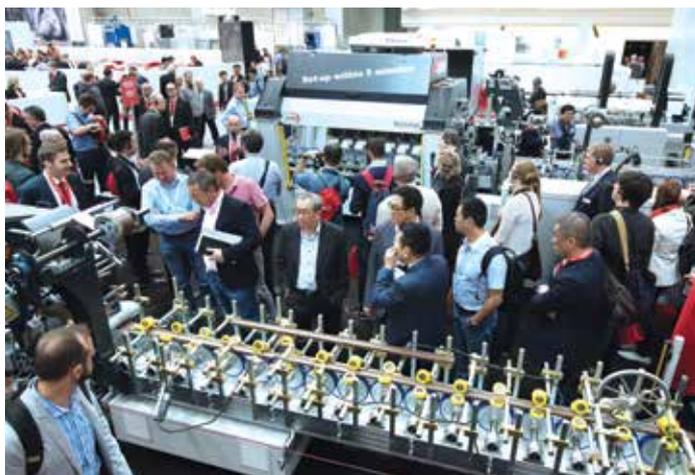
The new Ligna layout was also well received by primary industry visitors, with the four thematic areas of 'Forestry Technology', 'Sawmill Technology', 'Wood-based Panel Production' and 'Energy from Wood'. The focus was on the production of wood as a raw material for products or energy generation, through the planning, felling and retrieval stages.

The current state of the art on the use in

forestry of UAVs (unmanned aerial vehicles), or drones, proved a popular drawing card, along with the latest forest surveying processes.

For the first time at this year's fair, an open-air demonstration area was set up at the foot of the Hermes tower, in partnership with the German Forestry Council. Several moderated technology presentations were staged each day covering pruning, extraction of standing timber with harvesters, removal to forest roadside with forwarders and logging trailers, and transport to the sawmill.

Another attraction was the second Wood Industry Summit. Fifteen delegations from 13 nations (including Canada, Colombia, Chile, Bulgaria and Romania) availed themselves of the opportunity for dialogue with industry experts.



# HÄFELE

## LIVE VERY HÄFELE

Häfele brings to you  
Smooth Sliding Solutions

mxadvertising.com/7217

WARDROBE SLIDING - DESIGN DUO 80 VF

SLIDING

Mumbai Design Centre: Tel.: +91 22 2596 6728 / 9689 / 9660 / 8265 / 9787 Delhi Design Centre: Tel.: +91 11 6657 4999

Bengaluru Design Centre: Tel.: +91 80 4132 6116 / 2222 6116 Kolkata Design Centre: Tel.: +91 33 4008 9268 / 6814

Pune Design Centre: Tel.: +91 20 2563 3301 / 3302 Chennai Design Centre: Tel.: +91 44 4855 3353 / 4858 5525

Customer Care: 1800-266-6667 | To know more, SMS HAFELE to 56070 | Email: [customercare@hafeleindia.com](mailto:customercare@hafeleindia.com) | [www.hafeleindia.com](http://www.hafeleindia.com) | Follow us on  



# AKE establishes cutting 2.0 standard

Ligna 2017 just demonstrated what many users already knew: with the cutting tools 2.0, AKE has set a new standard. Whoever wants to meet the very high cost pressure in the wood industry effectively and searches for clear competitive advantages applies the 2.0 technology nowadays.

Only a few years ago it had just been a matter of ideas, concepts and first application tests. The market took notice of this development, first test purchases were made and AKE 2.0 tools established themselves.

Although the announcements at the time of the market launch still sounded incredible, all advantages had long since been put to the test under the hardest conditions of practice. Thus AKE now primarily gives the customers the chance to speak.

The great interest in the experiences of the users on the AKE stand shows that the specialists from Balingen (Germany) had the finger on the pulse. The selected customer examples could hardly be more varied in terms of their orientation: a machine manufacturer, a quantity manufacturer, a highly automated specialist for individually produced items, a vocational school and a tool trading company.

As different as they may all be, they are all united by means of their interest in excellent cutting qualities, unprecedented tool life, reduced set-up times and a significant noise

reduction – all told a revolutionary price-performance ratio.

## Diverse tools

The aspects in favour of an application of 2.0 are extremely interesting and result from the respective points of view. For mass production with three-shift operation high availabilities are essential. AKE manages to comply with these requirements by means of long tool lives and a custom-made service concept.

The automated individual manufacturer is cutting a large variety of materials with one and the same cutter. All this with higher feed rates than ever before and without fine dust, which impedes labelling and strains the dust extraction.

Manual re-work can be omitted, because the edges are sparkling clean. With 2.0 the machine manufacturer is emphasising the performance requirements of their customers on the machines and s/he can be sure that the required performance is achieved when the machine is delivered.

Multiple chipping has now been overcome because AKE's patented principle is unique and proved successful a thousand times over on almost all machines, in the most diverse types of material and varied processing methods.

*AKE is represented in India by the Mumbai-based Shreepal Trade Impex ([www.shreepal.in](http://www.shreepal.in).)*

*Proof of the pudding? AKE made its point by conducting live interviews during the show with its important clients, including the likes of Ikea, Biesse and Rolf-Benz-Schule.*

India's Leading  
D3 Wood Adhesive

# Stärke

Water Based Yet Water Resistant Adhesive

HIGHLY  
RECOMMENDED  
FOR



## Why Use

## Starke Wood Glue ?

- Complies to European EN 204/205 D3 Standards
- Excellent Water resistance
- Fast setting leading to Faster Production & Cost Saving
- Higher Coverage than conventional Adhesives
- Superior Bonding of Marine-Ply and Laminate
- Value for Money

### HIGHLY RECOMMENDED FOR:

Cold Pressing, Post Forming, Doors, Handicraft,  
Modular Furniture, Finger Jointing, Sports Products

Packaging Available in: 50 kg, 20 kg, 10 kg, 5 kg, 2.5 kg, 1 kg



Bhartiyneer

Upcoming Products: Edge Bending Hotmelt Adhesives and Membrane Press Adhesives

## SURFACTANT INDUSTRIES

A UNIT OF LOHIYA GROUP OF INDUSTRIES

Address: G1-87, New Jodhpur Industrial Area,  
Jodhpur - 342 003 India

Email: lohiyas@gmail.com

Call us: +91-291-2740294, +91-98291-00870

www.woodadhesives.in | Facebook/StarkeAdhesive



# Altendorf Magis: new digital saw guide

Altendorf Magis is the new digital, graphical operator guidance system that makes complex workflows straightforward. Cut by cut, the intelligent Magis software guides users through the pre-defined cutting sequence clearly and reliably.

**1** *Magis indicates the operator on which fence the measure has to be adjusted.*

**2** *The uncluttered design visualises the sequence of how materials are to be cut.*

Operators can expect savings in both time and material as a result.

Altendorf Magis always keeps the big picture in view: it acquires the relevant data from the cut optimisation package, detects the saw specification and then incorporates this information into the visualisation. Easily understood symbols displayed on a tablet guide the user through the necessary steps.

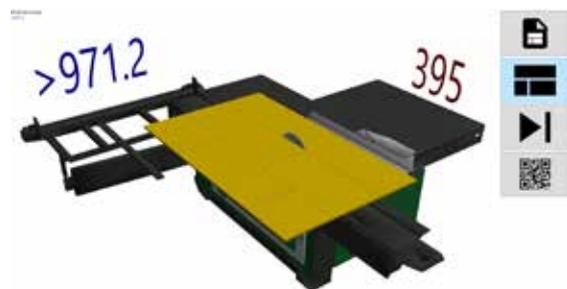


The loaded dimension specifications for manual fences or automatic adjustment of motorised fences are clearly visible and simplify work from the outset. The system can also be used to label finished work pieces with information including a bar code that can be read with a scanner to access instructions for subsequent processing.

This means that every single machine operator in the production process knows exactly what needs to be done next. Incorrect cuts and material waste are avoided, and production time is reduced.

## Advantages

- Detects properties and features of the machine and factors them
- Guides operator through cutting procedure
- Provides clear visual explanation of how materials are to be cut
- Can be used with any Altendorf sliding table saw: WA6 to the F45
- Offers mobile control from tablet, which can be prepared beforehand
- Increases operating reliability, work place safety



**2**

- Involves no specific operating system requirement or defined hardware
- Is compatible with all well-known optimisation solutions
- Permits user to set priorities in material, processing and stacking
- Supports display of cutting list on an optional second screen
- Can generate labels bearing codes for unique identification
- Also available as a standalone software package.



# Siempelkamp



Intelligent production with IQ:

From the online quality check using Prod-IQ® to the self-optimizing production plant Prod-IQ® Next.

Siempelkamp India Pvt. Ltd.  
Tel.: +91 33 2283 2014 / 2034  
Fax: +91 33 2283 2041  
info@siempelkampindia.com

Prod-IQ® Next is the next logical step within the continuous development of our successful process control system. We want it all! Excellent characteristics of wood-based panels AND a self-optimizing production plant. Reliable quality at optimized costs.

Leadership in Technology

[www.siempelkamp.com](http://www.siempelkamp.com)

# An exceptional response from the visitors of Inside Biesse India 2017

This edition of Inside Biesse at Biesse India received an exceptional response from the visitors with more than 200 footfalls, highest ever for an Inside event at Biesse India.



Visitors from all over India, Bangladesh, Sri Lanka and Maldives had come to the event. 18 Biesse machines were in live action at the 2 days event. Biesse solutions for Edgebanding, CNC, Drilling, Sanding, Panel Sizing, Advance materials and a Glass cutting machine from Intermac was displayed at the show. The importance of integration of machines with the software was explained basically how it can offer customers the significant benefit of reducing production time and creating efficiency. Parts portal a dedicated portal for seeing and purchasing parts of Biesse and Intermac machines was launched at the show in India.

The Biesse Group's new factory at Bangalore was opened for the first time to the visitors. The new factory tour was one of the major attractions of the show. The factory is spread over an area of 20,800 sqm. Visitors were very keen in knowing how the Biesse machine goes through different phases before taking the final shape. Visitors were also explained about the latest technological investments made by Biesse Group in India to manufacture the Biesse machines in the factory. This factory is equipped with new innovations like new powder coating facilities, a new 6m laser machine with fibre optic technology, which is unique in India, a new milling machine and some of the other new facilities as well. The new Biesse showrooms were inaugurated on the first day of the show.

Mr. Broccoli Federico, Biesse Wood Division Director/Sales - Subsidiaries Division Director, was present at the event. He interacted with visitors and Biesse team and appreciated the efforts put by the Biesse India team to build such a big factory and mentioned how important it is to have a factory close to the customers. Students from Advanced Woodworking Training Centre (AWTC), Bangalore visited the event, witnessed the live demo of Biesse machines and took the new factory tour. They also had some valuable discussions with Mr. Broccoli Federico. Business partners viz, Rehau, Jowat, Leitz, Autodesk ArtCAM & Hettich had put up there stalls at the event. They were happy to receive an excellent response from the visitors.

We thank our customers, business partners, Biesse team and other people associated with this show for making this a successful event!

+91 9916 558 780  
[sales@biessemnfg.com](mailto:sales@biessemnfg.com)  
[biesse.com](http://biesse.com)





## JADE 240

Automatic single-sided edgebanding machine

Easy-to-use technology

Jade 200 series is the range of automatic single-sided edgebanding machines purposely created for craftsmen and companies looking for user-friendly, customized production and flexible solutions in a limited space.

- ✓ Built according to the specific productio requirements.
- ✓ Perfect finishes with every type of process.
- ✓ Top quality finished product.

+91 9916 558 780  
sales@biessemnfg.com  
biesse.com

 **BIESSE**



# Barberan unveils Inert Coat system

**1** *The Inert Coat system applies a layer of UV varnish that is immediately smoothed and dried.*

The Inert Coat system from Barberan that was presented at Ligna attracted attention because of the high-quality results that it is able to achieve. This high performance process for finishing panels is achieved by applying a layer of UV varnish that is immediately smoothed and dried.

**2** *The result is a surface of exceptional properties, which is visually appealing and mechanically sound.*

The method also includes an unwound transparent film, which is placed on the surface after topcoat application, so that the layer can be smoothed and dried afterwards. The result is a surface of exceptional properties, which is visually appealing and mechanically sound.

**3** *The compact line HG is a laminating machine for varnished or printed panels.*

An ideal solution for finishing surfaces in those cases where high quality is required, the solution is successfully used in Barberan high-gloss, hot coating installations, to offer the best high-gloss surface quality in the market.

Another new product presented was the new compact line HG, a laminating machine for

finished panels: varnished or printed. The machine enhances the impression or the varnish by applying a transparent foil, which gives the final product greater abrasion and scratch resistance.

The new hot-melt glue laminating machine can also directly place the high-gloss foil.

In the field of profile wrapping, the most popular system was the automatic wrapping and post-forming machinery for edges such as the J-shaped integrated handle, rounded or angled edges of 30° or 45°. The machine can even work with high grammage roll material or high-gloss foil.

Coinciding with the 10th anniversary of the first Barberan single-pass digital printer, the company showed a complete line of printing and finishing for wood with a print width of 1260 mm, with full digital application in 10 printing groups.

# Gabon Special Economic Zone

*a woodworking paradise*



## ATTRACTIVE TAX HOLIDAYS

(0% income tax for first 10 yrs, No Customs, 100% Repatriation of profit to home country)

## SUSTAINABILITY SUPPLY OF KEY RESOURCES

(Electricity at 0.09 US \$, Manganese for Ferro Manganese plant, Forest allocation, Gas at attractive tariff)

## THE FURNITURE MANUFACTURING CLUSTER

(Ready made sheds available at 0 Rentals, Capital Subsidy, etc.)

## SINGLE WINDOW CLEARANCE APPROACH

(17 Government Agencies and Departments under 1 Roof)

## COMMON INSTALLATIONS

(Kiln Dry Facility, Waste Water Treatment Plant, Log Park, Container Terminal, etc.)



# GSEZ

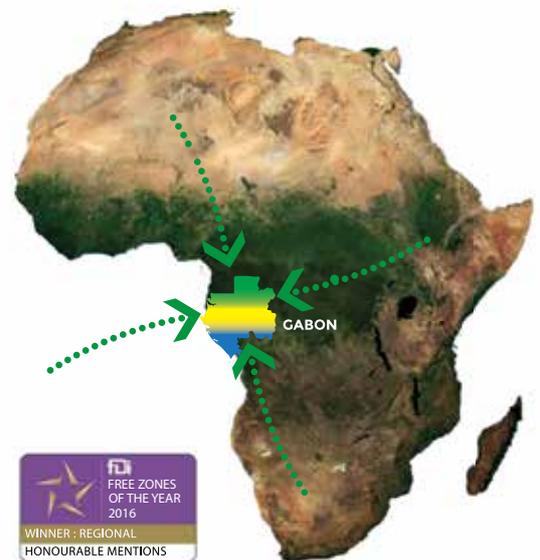
Gabon Special Economic Zone

A public-private partnership between Olam International, the Republic of Gabon and Africa Finance Corporation

[www.gsez.com](http://www.gsez.com)

Email : [gsez@olamnet.com](mailto:gsez@olamnet.com),

Phone : (+241) 02 00 10 86 / (+241) 06 00 56 66  
(+91) 83 83 057 074



**Gabon (Africa) ... land of opportunities**

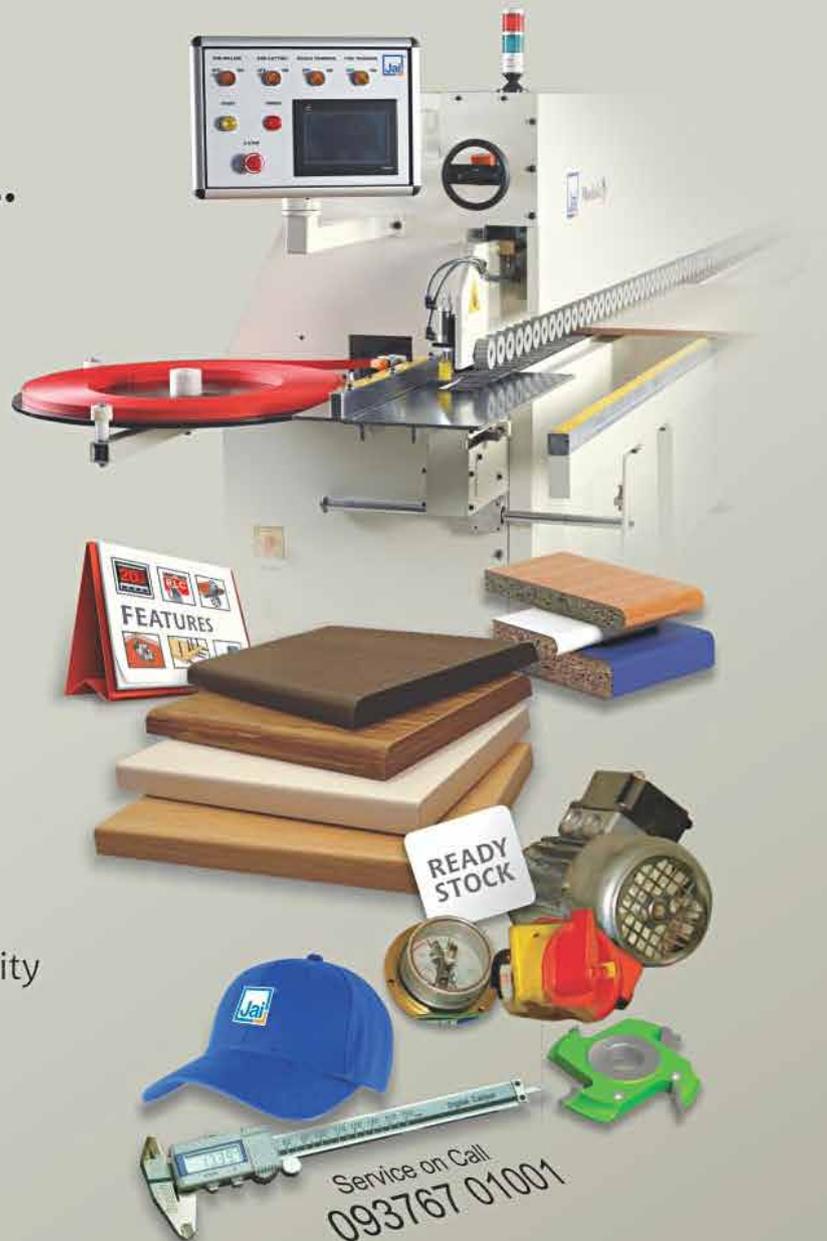
JAI India's  
Biggest  
manufacturer



Spirit of Excellence

## Only the JAI machines give you all these...

- Brand Value
- Ease of operation
- Precision Engineering
- Robust machine structure
- Features & Functionality
- Range of m/cs to suit all needs
- Service & Spares on demand
- Value for money and profitability



### Incomparable company status, size and people power

- Staff strength of 650 people
- Total 400,000 sq. ft. of mfg. floor
- Mfg. a whopping 30,000 machines a year!
- 25,000 sq. ft. of Panwood Grand MachineMall
- A truly automated facility with systems and equipments for world-class manufacturing



India's Highest Selling Machinery



Range. Selection. Value for Money

**LEADERSHIP**  
THROUGH  
**EXCELLENCE**



World-Class Precision m/cs



Reliable Sales, Service & spares



**Modula**

India's Highest Selling Panel Process machinery

- The Range**
- Panel Saw
  - Beam Saw
  - Curvilinear Edge Bander
  - Auto Edge Bander
  - Multi Boring
  - Post Form
  - Spindle Moulder
  - Hot Press & Cold Press
  - Roller Press
  - Vacuum Membrane Press
  - CNC Router



also available **WudPro**  
India's Highest Selling Solid Wood Working machinery

[www.JAIindustries.com](http://www.JAIindustries.com)

**JAI industries**

Ahmedabad-380 023. Gujarat, India • Ph : +91 79 2291 1400 \ 1900  
E-mail : modula@JAIindustries.com , sales@JAIindustries.com

Smart Engineering



Affordable Solutions



1

# Biesse records 14% spike in orders this year

An extraordinary start to the show for Biesse SpA at Ligna 2017, with record number of visitors, which reflect the enormous success of the Pesaro-based colossus, in a stand spanning more than 5,000 square metres in Hanover.

**1** *The Italian machinery manufacturer invests 14 million Euro per year in research and development, and boasts more than 200 registered patents.*

Biesse started the year 2017 with an increase of 37.3% in consolidated turnover, a 14.2% rise in orders, and a 199.4% increase in net income for the first quarter of the year.

According to the General Manager of Biesse, Mr. Stefano Porcellini, more than 40 fully-functioning technologies were on display at the trade fair, designed for companies of all sizes that work with wood and other materials, enabling them to discover how the digital factory can change the way they design and produce objects, through integrated, complex solutions that are easy to use.

**2** *The bSuite, a complete set of advanced software programmes for Biesse's machines, was a big draw in Hanover*

Biesse is committed to transforming customer factories into digital factories, which enable them to benefit from the opportunities offered by being ready for 'Industry 4.0'.

Visitor turnout in the Services area at Hanover bore testimony to the success of Biesse's investment in various advanced digital projects and tools and its Machine Knowledge Centre, designed to provide customers with



the possibility to obtain ever greater value from their machines, thanks to an increasingly direct connection with the company.

The Housing area was also the focus of major interest, with turnkey technological solutions and projects for the production of doors, windows, beams and lamellar walls, exhibited at a dedicated stand.

Biesse Group is a global leader in the technology for processing wood, glass, stone, plastic and metal. It designs, manufactures, and distributes machines, integrated systems, and software for manufacturers of furniture, door/window frames, and components for the construction, ship-building, and aerospace industries.

It invests on average 14 million Euro per year in research and development, boasting over 200 registered patents. It operates through nine industrial sites, 37 branches, and 300 agents and selected dealers, exporting 90% of its production.



## PREMIUM QUALITY CUTTING TOOLS FROM GERMANY



- Precision German Engineering.
- Extra Long Life\*
- Highly cost effective Tools for all applications/materials.
- Special design to ensure Low Noise Level.
- Enhances productivity.
- Extra fine Nesting Tool for high yield.
- Range includes Saw Blades, Router bits, Drill bits, Diamond Premilling Cutters, Knives, Inserts, Collets Etc.
- Technical Guidance from experienced Saw Doctors available.

**JUST NOT TOOLS.....BUT COMPLETE SOLUTION!!!**



### Contact

Shreepal Trade Impex

29/32, Om Shanti Commercial Premises, Near Parsik Janata Bank, Sector – 1, Airoli (W), Navi Mumbai – 400 078

Tel: +91 22 27790114/15 E mail: [info@shreepal.in](mailto:info@shreepal.in)

Bangalore: +91 80 23468088/55 Coimbatore: +91 42 22522114

\*Total Working life also depends on quality of regrinding.



# New beginning for Cefla Finishing



*The J-Print creates 3D effects synchronised with digital printing.*

Cefla Finishing, world leaders in the finishing, decoration, digital printing of wooden articles and its by-products, displayed several of its new products at Ligna 2017.

The J-Print 3D, the innovative system for creating 3D effects synchronised with digital printing, was particularly successful.

There was also plenty of interest in the new, revolutionary range of Omnidry ovens that offers high productivity combined with outstanding flexibility, with the capability to process flat and curved panels of different thicknesses.

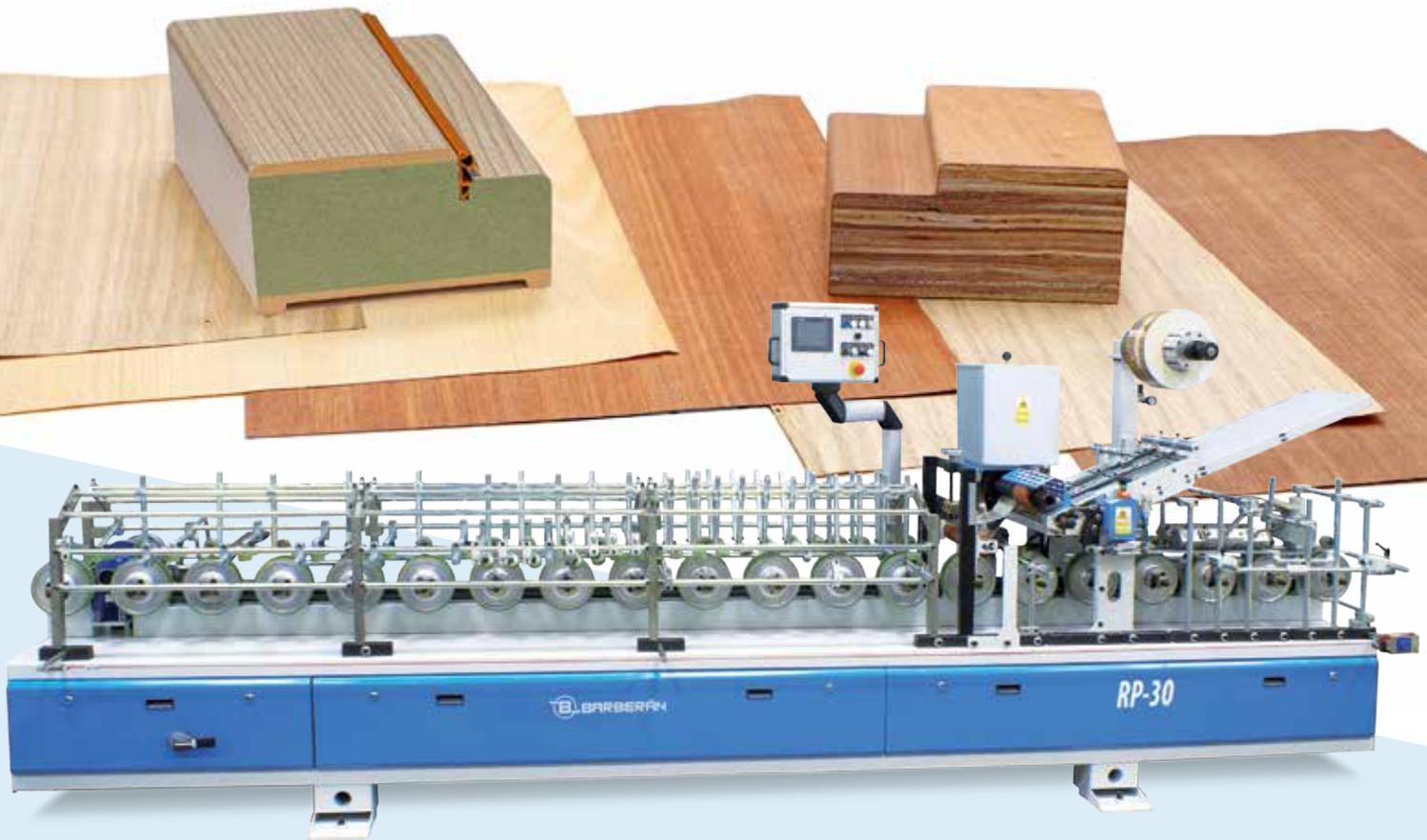
This feature is made possible by the Flexpro

function and its capability for automatic variation of the tray pitch.

The iGiottoApp X2, the 2-armed anthropomorphic robot that is able to work in synchronised or unsynchronised mode thanks to trajectory optimisation software, also attracted considerable attention.

The work on many of these successful product innovations presented at Ligna 2017 were the efforts of a research and development that began several years ago. Cefla aims of becoming a Smart Factory that assists companies to move to Industry 4.0, with the help of several of its technology innovations.

# for plywood & MDF profiles



# Profile wrapping MACHINERY

- Wooden veneer in strips
- EVA/APAO Hotmelt glue application
- Optionally paper foil from the roll
- Modular construction system



Pol. Ind. "Camí Ral" C/ Galileo 3-9, 08860 CASTELLDEFELS Barcelona - Spain  
Tel: (+34) 936 350 810 barberan@barberan.com www.barberan.com

[www.barberan.com](http://www.barberan.com)



## CeraShield solution from Ceratizit

Ceratizit, a market leader in the field of carbide products for the wood industry, showcased several of its innovation initiatives in the field of wood machining at Ligna.

All these innovations contribute to increased economic efficiency in production.

The competence brand toolmaker presented CeraShield, the coated knife for solid wood machining, the KCR18+ grade for saw tips, knives and rectangular strips and the new 7° angle strobe blanks.

CeraShield is a premium solution for solid wood machining and achieves ideal performance in both softwood and hardwood machining. The new knives have a particularly long-lasting cutting edge, which is achieved from a combined coating and grinding process that minimises wear on the cutting surface.

Like all KCR grades, the new KCR18+ grade is based on a specific metallurgical structure.

The enhanced protection against corrosion and oxidation ensures a high degree of process reliability.

An improved ratio of hardness to fracture-toughness guarantees higher performance potential. Saw tips in KCR18+ achieve good results in the machining of primary wood.

KCR18+ knives have been specially developed for the production of window tools. They guarantee long tool life and optimal surface quality. Rectangular strips made of KCR 18+ are available with brazing grooves.

Optimised product geometry for more economic efficiency is provided by the new strobe blanks with a 7° angle on both sides. They enable reduction in material costs and grinding times, resulting in optimised manufacturing processes in tool production.

Like the other strobe blanks, the new geometry is also available in the universal grade CTOPP10. Ceratizit has a subsidiary in India, Cobra Carbide.

*we add  
color to your  
business*

**Venjakob**<sup>TM</sup>

Finishing Lines + Handling Technology



**YOUR INNOVATIVE PARTNER  
FOR COMPLETE FINISHING  
LINES AND SURFACE TECHNOLOGY**

Venjakob is your innovative partner for complete finishing lines and surface technology. With an office in Bangalore and headquarter in Germany, Venjakob offers spray coating machines for almost all paint systems and workpiece materials. We optimize production processes together with our customers and offer cost effective, reliable plant solutions for gaining highest (reproducible) results in surface quality.



**MANUFACTURER OF  
COATING LINES FOR ALL MATERIALS**

**CLEANING | ACTIVATING  
COATING | DRYING | HANDLING  
EXHAUST AIR PURIFICATION**

One source supplying cost saving, state-of-the art solutions engineered to your specific demands.

- Brushing/sanding machines
- Pre-treatment units
- Spray coating machines
- Drying technology
- Handling and conveyor technology
- Exhaust air purification plants



**VEN BRUSH**  
BRUSHING | SANDING

**VEN CLEAN**  
CLEANING

**VEN MOVE**  
HANDLING

**VEN TRANS**  
CONVEYOR TECHNIQUE

**VEN SPRAY**  
COATING

**VEN DRY**  
DRYING

**VEN CLEAN AIR**  
EXHAUST AIR PURIFICATION

Venjakob Finishing Solutions Pvt. Ltd. | 560038 Bangalore | INDIA  
64/1, 6-Main Road, Defence Colony, Indira Nagar  
Phone +91 98 45 00 90 88 | Fax +91 80 420 440 74 | india@venjakob.de

Venjakob Headquarters  
Rheda-Wiedenbrück | Germany  
[www.venjakob.de](http://www.venjakob.de)



# Material handling solutions from Combilift

Combilift, the Irish specialist manufacturer of materials handling solutions that are exported to over 75 countries, exhibited over 15 of its models, including the new Combi-MR which made its official European debut at Ligna.

This stand-on multi-directional reach truck (a sit-down option is also available) combines the capabilities of a reach truck with the versatility of multi-directional travel for operation in tight spaces. Its extreme manoeuvrability enables it to work in reduced aisle widths to for maximum use of storage space in the warehouse.

The Combi-MR is characterised by its unique steering function: the joystick enables seamless switching of the direction of travel and compact turns. With the ability to handle both palletised and longer loads, this innovative electric powered forklift enables operations to benefit from faster procedures.

The design of the cab and the overhead guard offers excellent all round visibility and operator protection, offering a high level of ergonomic comfort and safety. The 4-wheel model features a large single drive wheel, fitted with a 400 mm diameter rubber tyre with 360° steering rotation.

This is positioned at the rear, right-hand corner to enable low level entry and exit for the operator and is therefore less tiring when a lot of picking is involved.

The rear articulated axle provides maximum traction and a smooth ride for the operator even across uneven surfaces, inside and out. With a lift capacity of 2,300 kg, it comes with optional lift heights.

*Combilift is looking out for prospective representatives and distributors in India. For details, visit [www.combilift.com](http://www.combilift.com).*



 **ENGAGE**

 **CONNECT**

 **GROW**

Draw on the Malaysian Timber Council's 25 years of experience in the international timber and timber products trade to strengthen your competitive position and promote export growth. Our growth drivers are pursued and guided by the leadership imperatives of engaging, connecting and growing through:

- ▶ creating value through innovation
- ▶ extending our global outreach
- ▶ executing with excellence

To learn more about Malaysian timbers and timber products, and the Council's 2017 events and programmes, please visit [www.mtc.com.my](http://www.mtc.com.my)



**MALAYSIAN TIMBER COUNCIL**  
(Agency under the Ministry of Plantation Industries & Commodities, Malaysia)

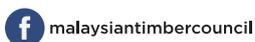
**MTC HEADQUARTERS**  
 T +60 3 9281 1999  
 E council@mtc.com.my

**MTC LONDON**  
 T +44 207 222 8188  
 E mtclondon@mtc.com.my

**MTC GUANGZHOU**  
 T +86 20 3877 3019  
 E mtchina@mtc.com.my

**MTC DUBAI**  
 T +971 4 4279 823  
 E mtdubai@mtc.com.my

**MTC BANGALORE**  
 E mtcindia@mtc.com.my





## Felder in €60-million expansion mode

The Felder Group has adapted future-oriented thinking as it plans to expand its delivery programme and extend its global presence. In renewed development of its production facilities, Felder is investing approximately €60 million in the Hall location in Tirol, Austria, over the next 5 years, and catering for an additional 100 jobs.

Even in the areas of research and development, there will be an increase in investment from the €22 million that was invested over the last 5 years. The Felder group believes that standard and automatic machines will remain in operation in the future.

Its aim will not be to add additional features to its machine, but to find solutions that will really help its customers. The aim of its Format-4 developments with regard to the automated machinery is clearly set.

Independent from the product, the following key aspects would apply:

- Affordable CNC technology accessible for more businesses

- Use of industrial technology for small and medium businesses
- More flexibility through automated machine settings
- Simple operation despite high level of automation
- A combination of existing IT systems with machines

At Ligna 2017, the Felder Group demonstrated its innovative strengths with a slew of new launches at its stand, which spanned 2,200 square metres. When designing the Format-4 'Tempora' 60.06L edge banders, 'Time' was the focus as the most important resource in a modern workshop.

To process edges as quick, easy and efficient as possible, the Tempora models combine the core skills of speed, productivity, flexibility and ease of use in a convincing complete package.

The Tempora models can be equipped with a single- or dual-motor corner rounding unit



2

Zero-line offers the homogenised optic finish of the work piece with the panel and edge material, in particular with high-gloss material. An edge material suited exactly to the material ensures a zero-joint line. As no time-consuming glue change of various colours is required, customers profit from considerably reduced changeover times.

The user-friendly control options “m-motion” and “x-motion plus” ensure absolute repetition accuracy, and individually configurable operating programs enable quick manual change of the aggregates as well as control via the smartouch control panel.

The “smartouch” control unit with network connection reduces the manual settings to a minimum and enables quick, easy and intuitive selection and control of the aggregate as well as the complete monitoring of all machine functions from the screen.

Available now in 10.4-inch and 16-inch screen size, the features of the smartouch include:

- Easy, self-explanatory representation of units and functions
- Selection of the aggregate and exact fine adjustment of motor
- Glue temperature setting and automatic temperature reduction in standby
- Unlimited data memory for user-defined edge banding programs
- Maintenance plan, odometer for total metres of material used.

2 *The Tempora can be equipped with a single/dual-motor corner rounding units.*

and there are three free spaces for a choice of finishing units.

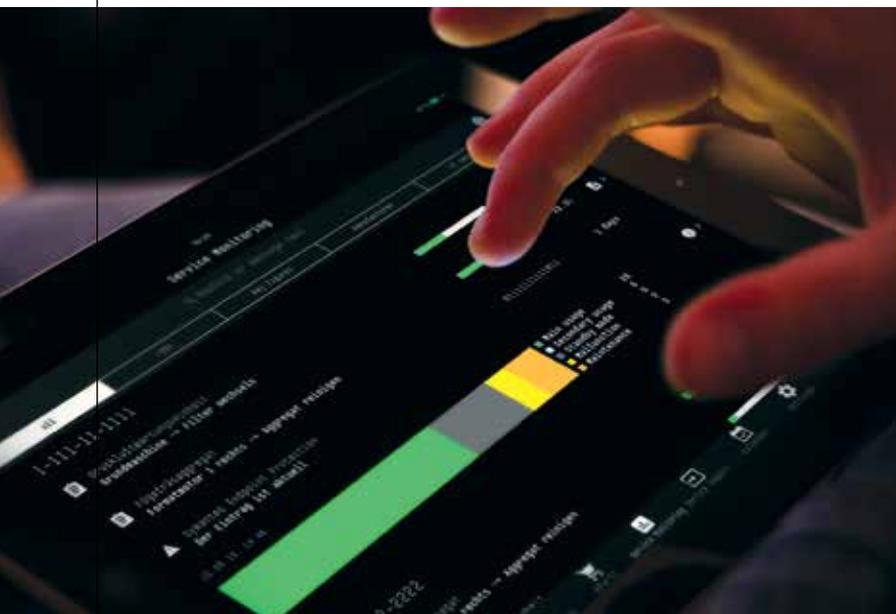
The patented zero-line aggregate from Format-4 enables the optical zero joint when processing co-extruded edge and laser edge material. The aggregate is controlled by the workpiece and can be activated and deactivated directly from the control unit.

3



3 *The “smartouch” control unit with network connection reduces manual settings to a minimum.*

# Homag leads industry into digital future



*The software, Tapio, connects digital products for the entire wood industry with thousands of production machines from all manufacturers, different software solutions and a very diverse range of materials and tools on an IoT platform.*

Homag presented 50 machines from all performance classes that are ready for 'Industry 4.0', using its comprehensive software. The software can be used at the point of sale, the entire production line, or while packaging by using intelligent technologies and processes that communicate with each other.

The software, Tapio, connects digital products for the entire wood industry with thousands of production machines from all

manufacturers, different software solutions and a very diverse range of materials and tools on an IoT (Internet of Things) platform.

This digital platform completely covers the wood industry value chain and has been developed in collaboration with renowned software partners such as Microsoft and Software AG. One of Tapio's numerous advantages is the mobile status display of machines in real time.

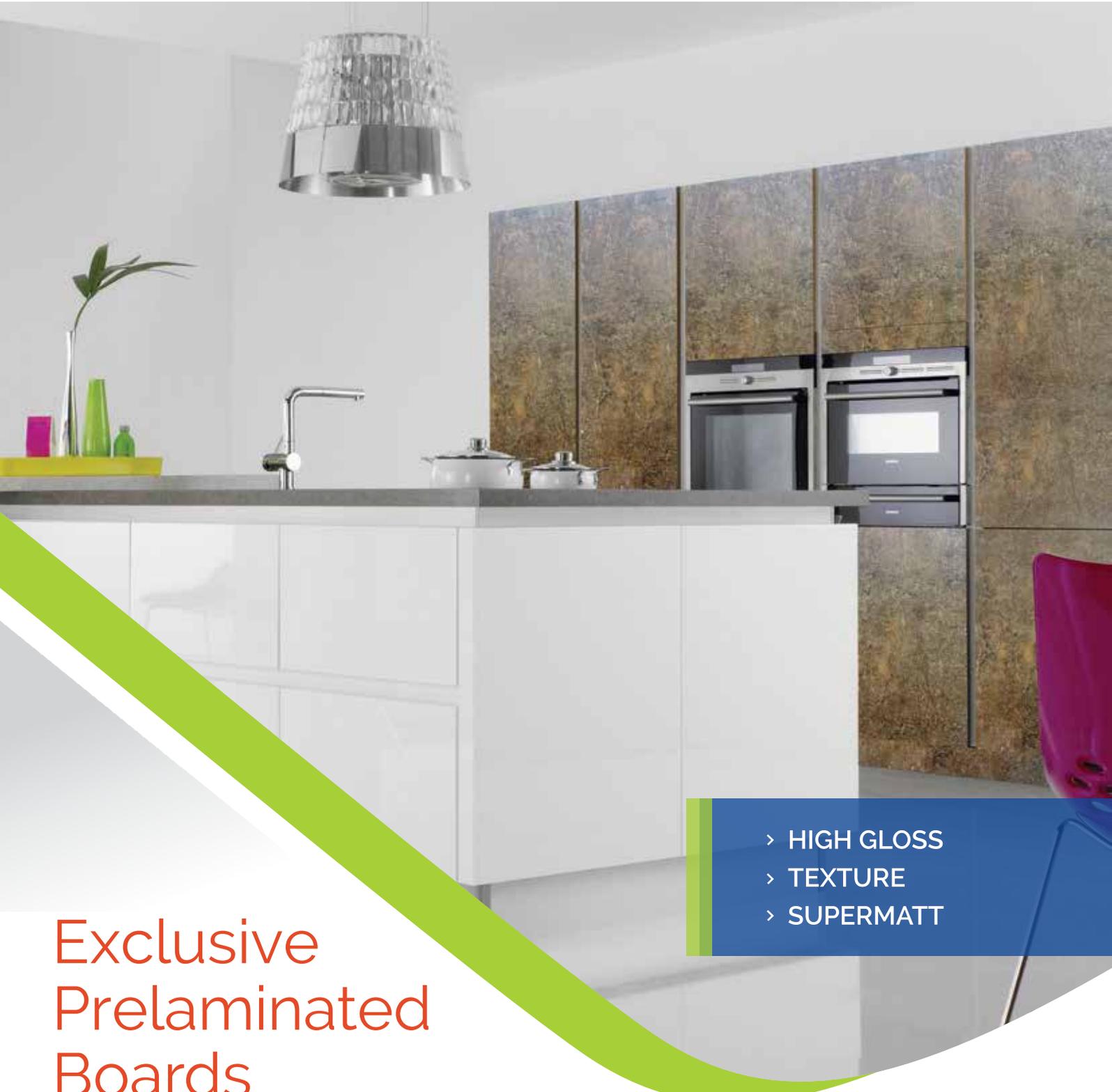
Individual solutions for companies are configured from a modular kit 'One Platform for Integrated Solutions'. With 'ProCollection', a modular end-to-end system, it provides an integrated solution for users from the interiors, construction and furniture industry, from sales planning through graphic order entry to the new production control system.

This is called 'ControllerMES' and is regarded as a fully developed and solid software basis for future requirements.

The new production control system delivers 100% transparency in production and covers everything from production planning with optimal production, to providing and generating production data for machines up to the end report after final assembly.

The new technologies and 'Industrial 4.0' applications include:

- New zero-joint technology WaveTec, a patented process where the functional layer is melted by microwaves. When heating up the glue, no heating-up time is required and volume heating of stronger functional layers is also possible.
- Homag's slow-moving 3D technology and high-performance milling ensures less cutting volume and a function-optimised product design.
- Homag's smart solutions provide opportunities to optimize production by scanning the tool and work piece or the implementation of predictive maintenance on a tool spindle.



- > HIGH GLOSS
- > TEXTURE
- > SUPERMATT

# Exclusive Prelaminated Boards

- Widest Range of Decors
- Available in 8mm, 18mm, and 25 mm MDF

## Distributor Inquiries Solicited

Ahmedabad +91 9725208023	Bangalore +91 9900655100	Hyderabad +91 9246567922	Jaipur +91 9829053548	Mumbai +91 22 28769800	Nagpur +91 9373100887	Pune +91 9921999777
-----------------------------	-----------------------------	-----------------------------	--------------------------	---------------------------	--------------------------	------------------------

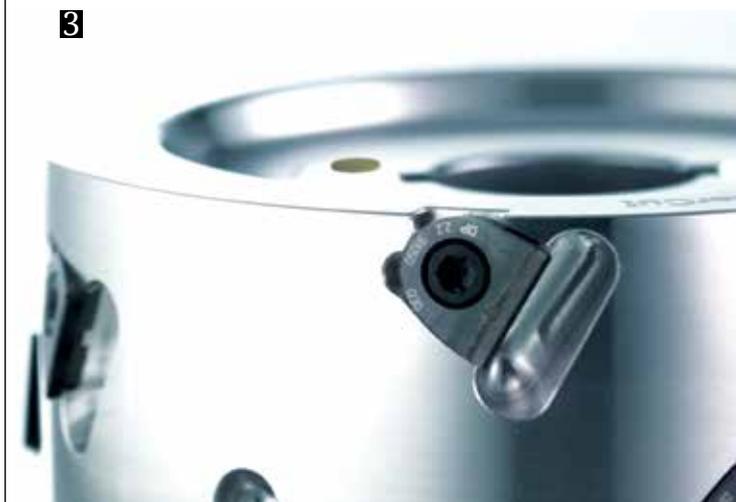
Email: [sales@prestigeinterio.in](mailto:sales@prestigeinterio.in) | Tel: +91 9833508006 | [www.prestigeinterio.in](http://www.prestigeinterio.in)



1



2



3



4

# Truly 'intelligent' tools from Leitz

The Leitz Group, the worldwide leading manufacturer of tools for industrial processing of wood, wood derived materials, plastic and compound materials, showcased its Industry 4.0 level intelligent tools that will optimise production and improve total value-chain around the tool.

- 1** *Tool with NFC chip.* These tools will not only be responsible for the processing quality of the work piece, but will become a central information medium to control complex manufacturing processes and processing efficiency.
- 2** *Tools with QR code.* The tools have the ability to identify itself with regard to its dimensional and operational characteristics. This on-board data includes basic elements regarding operational safety, and parameters for optimal processing efficiency.
- 3** *Tool with RFID chip.*
- 4** *Tool with DataMatrix code.*

The increasing complexity of CNC machines and production lines, along with the expanding variety of materials to be processed confronts manufacturers with many challenges. Intelligent tools can help by providing important operational parameters for various raw materials.

Information, such as tool geometry, maximum RPM, direction of rotation, setting dimensions, feed rates in combination with RPM and correction data, are programmed into the tool.

Based on the data provided, a machine can set appropriate processing parameters. Feedback about the application allows in a learning system to register lifetime and critical operating conditions and to further optimize future production.

Additional benefits include improved operational safety, trouble-free resetting of tools and simulation of machining processes. This also results in quality improvement and increased energy efficiency, as the tools are always used in the rated range leading to stable and efficient production processes on the tool side.

Intelligent tools help to optimize production, as well as provide the basis to improve the total value-chain around the tool.



# cabinet vision

## THE WORLD'S #1 SOFTWARE FOR CABINET MANUFACTURERS

**Cabinet Vision** is the industry leading software tool for cabinet and casegoods manufacturers. From entry level cutlist packages to fully integrated Screen-to-Machine solutions.



[www.cabinetvision.com](http://www.cabinetvision.com)

**vero**  
Software

## Spray System from Germany to Enhance Edge Finish Quality

- Electronically controlled Spray Units, directly installed on EDGE BANDING MACHINE
- Removes Glue Residue from Panel Edges&Surfaces.
- Prevents Chips from sticking to Tracer Rollers &Works Surfaces.
- Polishes PanelEdges to make it Smooth &Glossy.
- Cost effective way of getting perfect edges.



100% Riepe - Spraying Systems  
+ 100% Riepe - Chemical Products  
+ 100% Riepe - Quality Control  
= 100% Success



Contact: **Shreepal Trade Impex**, 29/32, Om Shanti Commercial Premises, Near Parsik Janata Bank, Sector - 1, Airoli (W), Navi Mumbai - 400078 Tel: +91 22 27790114/15 E mail: [info@shreepal.in](mailto:info@shreepal.in)  
**Bangalore:** +91 80 23468088/55 | **Coimbatore:** +91 422 2522114



# New software solutions from SCM

SCM, a world leader in technologies for woodworking processes, presented over 60 technological solutions of its various ranges. These solutions are designed to meet the requirement of any company, ranging from small woodworking workshops to large multinational companies.

*The 'Cell Lean' software is able to automatically manage all machining phases, from standard panels to the assembly of furniture.*

'Cell Lean 4.0', which is a concrete application in line with the concepts of 'Industry 4.0' and mass customisation, aims to meet the specific needs of the client, while maintaining the advantages of industrial production.

The whole system, managed by the Maestro Watch software, is completely automated and is supported by an anthropomorphic robot fitted with a piece recognition viewer. It is extremely flexible and is able to produce a wide variety of pieces, from large panels ready to be assembled to "batch one".

The cell uses standard, absolutely reliable, high performing, easy-to-use programs to configure machines. The system operates automatically from the moment the order is placed and is open to any operating system.

The cell is, therefore, able to automatically manage all machining phases, starting from the standard panel to the assembly of furniture.

The new Maestro Suite software includes Maestro Cut, the software for single blade panel saws that is fitted with a new completely "multi-touch" user interface on a 21-inch 16:9 screen and can be used to manage all machine functions.

Enhanced performance is achieved with the Maestro Ottimo Cut, a cutting optimiser for angular panel saws. It reduces calculation time by up to 30% and produces cutting diagrams that reduce waste by up to 50%.

The Maestro CNC has the new Maestro 3D function, which allows for the automatic creation of sophisticated machining programs, such as the ones required to create bas relief, and is augmented with the new version of Maestro Nest, that guarantees an infinite number of new nesting operations.

Maestro Setting, an optimiser for stand-alone and line drilling units, allows for the tooling of drilling cycles and reduces machining cycle time.

# FIRST TIME IN INDIA!!

## INNOVATIVE SOLUTIONS

### FOR WOODWORKING INDUSTRY



Expert 3600



GLU JET WATERPROOF  
INVISIBLE JOINTS

The clear advantages of the hybrid technology in combination with Umaboy PUR Glue Technology, make this gluing system the all rounder for craftsmen and industrial users. Visual zero joints with PUR glue allowing use in wet areas are only natural for Umaboy customers. Ultra-thin glue joints, easily equivalent to industrial laser edges, are easy to achieve with the Umaboy Glu Jet System, which also offers unrivaled flexibility.

Industrial technology for every shop with the Glu Jet System you can process PUR glue on a standard basis; just as simply as EVA glue. Strong arguments for you and your customers. Umaboy remains unequalled in terms of appearance, regardless of the material. Umaboy sets the trends for tomorrow today.

#### ADVANTAGES OF PUR GLUE JET SYSTEM

- High strength joint for extremely long service life.
- Water Proof Edge Banding
- Easy Cleaning of Gluepot after Using PUR Glue
- Hassle Free Cleaning
- Available in Colours
- Invisible Glue Line
- Perfect Bonding
- Anything to Anything Glue
- Resistant to heat and water, providing quality advantages in all areas of cabinetmaking.

### SHREE UMIYA F-TECH MACHINES

3/C, Shiv Estate, Opp. Radhika Society, Nr. Baroda Express Way,  
NH-8, Ahmedabad-26, Gujarat, India. E-Mail : info@shreeumiya.com

 **FOR SALES INQUIRY**  
**+91 99255 19009**



## Venjakob presents three spray painting models

Venjakob Maschinenbau GmbH, the system specialists for complete coating installations, presented three spray-painting machine models at Ligna this year: the VenSpray Smart, Comfort and Perfect.

The VenSpray Smart is a stand-alone solution designed to meet flexible production requirements and can be used for solvent and water-based paints. This spray coating machine is both economical and environment-friendly.

It can, optionally, be equipped with a belt-cleaning system and/or a paper transport belt. This makes it possible to alternate between both modes of operation.

A quick change between two paint systems (water/solvent based) is simple and fast. This makes it especially attractive for smaller companies to replace manual painting.

VenSpray Comfort has a twin cleaning unit, and can be used for a dual application of

water and solvent-based paint systems. It is economical and environment-friendly.

The paint recovery is by a patented V-belt system. It has high plant availability with very low cleaning effort and an automatic quick paint change system that has special flexibility with up to four paint supply circuits.

The VenSpray Perfect is the answer to all requirements and is uniquely designed to minimise colour change over time while maximising transfer efficiency. Thanks to its modularity it is a safe investment.

It provides paint compatibility and systematic paint recovery. Its low production-idle runs and short, paint-change times make it an economical machine to run.

The modular concept permits implementation of changing framework conditions at any point in time by retrofitting new modules, thereby making it a prudent investment for the future.

**WOOD  
MASTER**



**DIMENSION SAW WITH SCORING CUTTER**  
MODEL : WM-245 TLT



**DOUBLE SIDE TRIMMER, BUFFER & END CUTTING MACHINE**  
MODEL : WM-248 TRBF



**EDGE BANDING MACHINE**  
MODEL : WM-246 A



**MULTIPLE BORING MACHINE (DOUBLE HEAD)**  
MODEL : WM-249 DH

## PANNEL PROCESSING MACHINES



**CNC ROUTER**  
MODEL : WM-401VC

**SMART  
PEOPLE  
SMART  
CHOICE**

## WOODMASTER (INDIA) MACHINES PVT. LTD.

### Head Office

St. no. 7, Bachittar Nagar, Ludhiana (Punjab)  
Mb : +91 - 98156 - 27422, 98760 - 63422

Telephone : +91 - 161 - 5034422  
E - mail : [info@woodmasterindia.com](mailto:info@woodmasterindia.com)  
ludhiana@woodmasterindia.com  
Website : <http://www.woodmasterindia.com/>

### Pune Office

Sr. No. 27, Burhani Ind. Estate  
(Near Excel Polymers) Kandohwa  
Budruk, Pune - 141 048  
Mobile. +91 90110 27422

### Delhi Office

F-14, Vishwakarma Colony,  
(Opp. Container deport),  
M.B.Road, New Delhi-110044  
Mobile : +91-98103 73452

# Nextec is a new way of thinking



1

How would it be if the future had already begun? The answer is Nextec, the complete solution for furniture production without programming. It's really that simple!

With the click of a mouse you can select the desired furniture from the extensive CabinetSelect library and drag it into your shopping basket. Then create individual custom-made furniture by simply adjusting the dimensions and quantities.

In the background, the Nextec writes the necessary nesting programs for formatting, drilling and grooving. The factory manager just puts the disk on and presses 'Start'.

You take the finished work pieces from the processing table and, if necessary, recognise them. The furniture body can already be mounted. You choose the right connector technology for this.

## Economical, easy

The new Nextec CNC series from Holz-Her revolutionises the way in which joinery works and makes it fit for the challenges of the future. The machine is a unique all-in-one solution for presenting contemporary furniture, producing it efficiently and selling it profitably.

The Nextec makes furniture production more economical and easier. Its machining centres

have an extremely stable machine and gantry design. Precision components for the drive and control technology guarantee maximum dynamics and perfect work pieces.

The Nextec is also available with automation components for even higher production output. There are 300 ready-to-fit cabinet furniture in the CabinetControl 3D library, which is fully customisable.

The unique Nextec-Clamex package introduces the P-system pockets in the area and the edge. DirectCut is for a laser-assisted quick cut that even makes valuable pieces from residual pieces.

A complete wall unit can be produced in less than 30 minutes! Nextec includes the following functions:

CabinetSelect is the process module that offers various variants of CAD processing. In addition to the entry-level variant CabinetSelect, the professional variant, CabinetControl Pro, is also available. The advantages CabinetSelect:

- Selection of pre-fabricated cupboards
- Variance in dimensions, numbers, materials and fittings
- Compatibility with CabinetControl Pro
- Body constructions

1 The Nextec7707 Classic was introduced by Holz-Her at Ligna 2017

- Materials and fittings.

With 'Warehouse' from Holz-Her it is possible with the Nextec to actively control the complete parts stock, which is to be transferred to production. For example, you can import and then import parts through pre-defined interfaces such as CabinetSelect or CabinetControl.

'Warehouse' is an important building block for modern furniture manufacturing. The prerequisites for the production arise in the next step of automatic part generation. CNC programs are automatically generated in the background, integrated into the parts list and nested in optimised production plans using BetterNest.

### Intelligent system

With Direct-Cut as part of the Nextec system developed by Holz-Her, it is possible to use the Nextec as a format saw, but with the comfort of a Holz-Her CNC machining centre.

An intelligent workshop must give both craftsmen and industry the highest degree of flexibility for the future. Smaller batch sizes, changing trends and novel materials require maximum adaptability.

Therefore, communication and information flow are among the most important core competences for a successful business:

- from human to human
- From human to machine & vice-versa
- From machine to machine.

Intuitive software and meaningful icons, as well as programmed operating aids, serve as support. This means that the doors in digitalisation are also open to smaller businesses.

In line with the "think Weinig" strategy, Holz-Her GmbH presented itself for the first time at Ligna 2017 together with the Weinig Group.

2 *The manufacturer can choose from a variety of connector systems for furniture.*





## Wood-Mizer introduces twin-rail sawmill

The Wood-Mizer LX450 twin-rail sawmill made its European debut at Ligna this year. It is completely redesigned and makes the company the only sawmill manufacturer to give buyers the option between a monorail or twin-rail sawmill in order to accommodate various sawing applications and preferences.

It has many of the features of the world renowned Wood-Mizer LT sawmill series and this new sawmill also expands the cutting width capacity to 80 cm, and the cutting depth to 41 cm.

A key innovation of the Wood-Mizer LX450 sawmill is the rigid LX frame saw head tower that holds the control panel, engine and the sawmill head. Designed to accommodate a larger width and depth of cut, the LX frame travels on parallel hardened steel bars on the bed and allows the operator to have better

visibility during the cutting process.

Standard features for the LX450 sawmill include power feed, power up/down, hydraulic log handling with a bi-directional chain log turner, a walk along operator control console with simple networks, six heavy-duty, fine-adjustment, outriggers, drag-back board return, powered blade guide arm, hydraulic blade tensioning system, blade lubrication, roller blade guides, and an auto-clutch.

The optional features include a fixed operator command control station located at the end of the sawmill.

Other features/specifications include 11, 15 and 18.5 kW electric motors power options, a 92-cm diameter and 6.4-metre length with a 80 cm width cut and 41 cm depth cut.



Horizontal Mill



HTZ-800



Sliding Table Panel Saw

Spindle Moulder

Alfa NC Milling

Automatic N.C. Operated  
• Hinge recessing,  
• Lock face plate  
recessing doors  
slots etc.



Louvers



**SANDING MAX**



Wide Belt Sander



Profile Sander



Brushes Disc Combi Roller Head

Segmented Pad

Frame Saw



Straight Line Rip Saw



Multiple Rip Saw



Three Head Multi Boring Machine



Automatic Through Feed Edge Banding



Vertical Band Re-saw



Rectangular Tenoner DAD-115



Oscillation Mortiser MOM-130

Auto Panel Saw



Hydraulic Hot Press 1/3/5 Day Light



High Frequency Edge Glue Press



Clamp Carrier



High Speed Router



Spindle Moulder



Automatic Finger Joint System



Four Side Moulder



Double Side Planner



Heavy Duty Automatic Copy Shaper



We Work Together



Jagadhri Road, Yamuna Nagar - 135 001 (Haryana) INDIA  
Tel.: +91 - (1732)-223694, 260682, Fax : + 91-(1732) 260203  
E-mail: info@kalyanindustries.com, kalyan1ind@yahoo.com,  
Website: www.kalyanindustries.in, www.plywoodmachines.in

# New system aims at big reforms

It subsumes more than a dozen Central and state taxes to make India one common market, attract FDI



The Goods and Services Tax (GST) is an indirect tax regime for the whole nation, which makes India one unified common market. It is a single tax on the supply of goods and services, right from the manufacturer to the consumer.

However, all small businesses having a turnover of less than Rs. 20 lakh annually are exempt from GST.

The Central and all state governments jointly constituted the GST Council to examine issues relating to GST and will continue to make recommendations to the Union government and states on parameters such as rates, taxes, cesses and surcharges to be subsumed, exemption list and threshold limits, GST laws, etc.

Credits of input taxes paid at each stage will be available in the subsequent stage of value addition, which makes GST essentially a tax only on value addition at each stage. The final consumer thus bears only the GST charged by the last dealer in the supply chain, with set-off benefits at all the previous stages.

Keeping in mind the federal structure of India, there are two components of GST: Central (CGST) and State (SGST). Both Centre and states will simultaneously levy GST across the value chain. Tax will be levied on every supply of goods and services.

There will, however, be no GST on the sale and purchase of securities. That will continue to be governed by the Securities Transaction Tax.

The Centre will levy and collect CGST, and states will levy and collect the SGST on all transactions within a state. The input tax credit of CGST will be available for discharging the CGST liability on the output at each stage.

Similarly, the credit of SGST paid on inputs

will be allowed for paying the SGST on output. However, no cross-utilisation of credit is permitted.

## Benefits to business

A robust and comprehensive IT system is the foundation of the GST regime in India. All taxpayer services such as registrations, returns, payments, etc. are available to the taxpayers online, which will make compliance easy and transparent.

There will be no manual filing of returns; all taxes have to be paid online; all matched returns will be auto-generated; and most returns will be self-assessed. Payment of taxes can be made through online banking, credit/debit cards, NEFT/RTGS and through cheque/cash at banks.

GST will ensure that indirect tax rates and structures are common across the country, thereby increasing certainty and ease of doing business. It makes doing business in the country tax-neutral, irrespective of the choice of place of doing business.

The new system of seamless tax credits throughout the value chain, and across boundaries of states, aims to ensure that there is minimal cascading of taxes, thereby reducing hidden costs of doing business.

This reduction in transaction costs is expected to eventually lead to improved competitiveness for trade and industry.

The reduction in cost of locally manufactured goods and services will increase the competitiveness of Indian goods and services

## What does GST replace?

- Central Excise Duty
- Additional Excise Duty
- Service Tax
- Countervailing Duty
- Special Additional Duty of Customs
- State Value Added Tax/ Sales Tax
- Entertainment Tax
- Central Sales Tax
- Octroi / Entry Tax
- Purchase Tax
- Luxury Tax
- Taxes on lottery / betting / gambling

in the international market and is expected to give a boost to Indian exports.

### Simple logistics

In many ways, the GST regime is more of a business reform, redefining and monitoring how business is conducted in a fair and transparent manner. Because of efficiency gains and prevention of leakages, the overall tax burden on most commodities is expected to come down, which will benefit consumers. GST is also expected to allow tremendous flexibility in the supply chain, in which manufacturers of furniture and accessories can look at the following benefits:

- Optimised supply chain based on logistics availability, rather than tax structure
- Consolidated inventory holding in the supply chain
- Avoiding penalty for selling outside the state: input credits for raw materials and consumables can be set off against tax liability for inter-state sales
- Flexibility in supply to end-customers (institutional, government or servicing the order yourself)

### Sharing tax

GST is a consumption-based tax. Therefore, taxes are paid to the state in which the goods or services are consumed, not to the state in which they are produced. IGST simplifies tax collection for state governments by enabling them to collect the tax owed to them directly from the Central government.

CGST and SGST would be levied simultaneously on every transaction of supply of goods and services –except on exempted goods and services, goods which are outside the purview of GST (liquor and automotive fuels, for now) and for transactions that are below the prescribed threshold limits.

The Centre will now levy and collect Integrated GST (IGST) on all inter-state supplies of goods and services. It is roughly equal to CGST plus SGST. The IGST mechanism has been designed to ensure seamless flow of input tax credit from one state to another.

The inter-state seller will have to pay IGST on the sale of his goods to the Central government after adjusting credit of IGST, CGST and SGST on his purchases (in that order). The exporting state will transfer to the Centre the credit of SGST used in payment of IGST.

The importing dealer will claim credit of IGST while discharging his output tax liability (both CGST and SGST) in his own state. The Centre

### Benefits to trade & industry

- Reduction in multiplicity of taxes
- Mitigation of cascading/double taxation
- Efficient neutralisation of taxes, especially exports
- Development of common national market
- Simpler tax regime, fewer rates and exemptions
- Non-intrusive electronic tax compliance system
- Reduction in logistics delays and costs

### Benefits to citizens

- Simpler tax system
- Reduction in prices of goods & services
- Uniform prices throughout the country
- Transparency in taxation system
- Increase in employment opportunities

### Benefits to govts.

- Common national market to boost FDI
- Help in supporting 'Make in India'
- Boost to manufacturing activity & exports
- Improving investment climate
- Uniform SGST and IGST rates reduce tax evasion
- Broader Tax Base and decrease in "black" transactions
- Reduction in compliance costs: no multiple record-keeping

will transfer to the importing state the credit of IGST used in payment of SGST. All SGST on the final product will ordinarily accrue to the consuming state.

Cross-utilisation of credit of CGST between goods and services will be allowed. The facility of cross-utilisation of credit is available in case of SGST. However, cross-utilisation of CGST and SGST is not allowed except in the case of inter-state supply of goods and services under the IGST model.

### Exports & imports

The additional duty of excise or CVD and the special additional duty that was being levied on imports have been subsumed under GST. IGST will be levied on all imports into the territory of India. Unlike previous practice, the states where imported goods are consumed will now gain their share from this IGST paid on imported goods.

Exports are considered as zero-rated supply; and imports will be levied the same taxes as domestic goods and services, adhering to the destination principle.

Although GST will not be charged on the export of goods or services, the credit on inputs used for making export supplies is available to the exporter. Exporters have two options: export goods under bond and claim refund of input credit; or export goods under rebate claim and claim the refund of output tax.

### Teething troubles

Challenges for taxpayers – especially those who have never been a part of the organised sector – begin with understanding transitional provisions and extends to re-designing their supply chain and distribution strategy. They also need to study the impact on cash-flow and profitability, re-work business policies and address sector-specific issues.

Apart from such functional challenges, taxpayers are faced with technology challenges for the first time. The GST system necessitates a high level of synchronisation between tax payer's application (accounting or invoicing software) and the GST system.

Item-level detail in invoices, maintenance of trails of all amended entries, reconciliation of sales and purchase register with vendors and buyers, on a minimum three returns each month, auto reversals, etc. demand a high level of automation of the tax process.

If anything goes amiss, business's compliance rating will take a hit and act as an indicator of whether or not to deal with that business entity. Therefore a robust solution is required to manage GST compliance.

Taxpayers can use solutions provided by either the government or private entities called GST Suvidha Providers (GSPs) and Application Service Providers (ASPs) for GST compliance. It is also not possible to automate the filing process using the government portal.

Functionalities available through GST application programming interfaces (APIs) include registration of tax payer and tax consultants, return filing, payments, ledger maintenance, etc. As failure to comply can directly impact business, a taxpayer should consider selecting the right technology vendor.

Data security, storage and privacy policies, business continuity and disaster recovery plans, among other things, should also be considered.

### For late-comers

GST entails significant amount of compliance. Businesses will have to hire the right kind of skill set and be ready with the IT infrastructure.

Small businesses need not fret. The GST system will have a government-to-business portal for taxpayers to access the GST system.

But the tax payer is free to choose third-party applications that provide all user interfaces and convenience via desktop, mobile, etc. to interact with the GST system. All such applications are being developed by third-party service providers, who have been given the generic name, GSPs.

In order to migrate to GST, you need to have a provisional ID and password. These details can be obtained by logging into the Automated Central Excise & Service Tax portal ([www.aces.gov.in](http://www.aces.gov.in)). You are required to use the provisional ID and password to log into GSTN portal ([www.gst.gov.in](http://www.gst.gov.in)) to fill up the required details and upload the supporting documents.

After you provide the requisite details, an application reference number (ARN) would be communicated to you by GSTN. Once you have the ARN, you will migrate to GST with issue of a provisional certificate.

The registration number will be based on the PAN number issued by the Income Tax department and will serve the purpose for Centre and states. In case your Central Excise or Service Tax registration does not have a valid PAN number, you need to obtain it and update your registration details on to the ACES portal before you can migrate to GST.

### Help At Hand

The Central Board of Excise & Customs has created a "war room" as a single window for the implementation and resolution of GST-related issues.

**Helpline:** +91-124-4688999.

**Email:** [helpdesk@gst.gov.in](mailto:helpdesk@gst.gov.in).

34 government and private GST Suvidha Providers (GSPs) and Application Service Providers (ASPs) for GST compliance. Besides, assistance can be sought from:

- Central Board of Excise and Customs' CBEC Mitra helpdesk: [cbecmitra\\_helpdesk@icegate.gov.in](mailto:cbecmitra_helpdesk@icegate.gov.in), or call (toll-free) 1800-1200-232.
- Confederation of All India Traders' (New Delhi) BizGuru. Tel: Mr. Praveen Khandelwal on +91-9891015165.
- [contact@tradedesk.in](mailto:contact@tradedesk.in) (New Delhi): Tel: +91-9910336695, +91-9903979297.
- [www.margcompusoft.com](http://www.margcompusoft.com) (New Delhi): Tel: +91-999-9999-364
- [www.gstsamadhan.in](http://www.gstsamadhan.in) / [www.cleartax.in](http://www.cleartax.in)



**BETTER VACUUM CUPS INC.**

## High Holding Capacity Vacuum Cups for CNC machines to improve Productivity



Patented Design. Made from Special Material after extensive R & D.

No need to replace Top Skin even if it gets damaged – **Big Saving in Operating Cost.**

30% more holding power enabling use of higher feed speed – **Higher Productivity**

Variety of Sizes available to suit holding of all sizes/shapes of workpieces – **Flexibility**

Modular design – **Very Easy Maintenance**

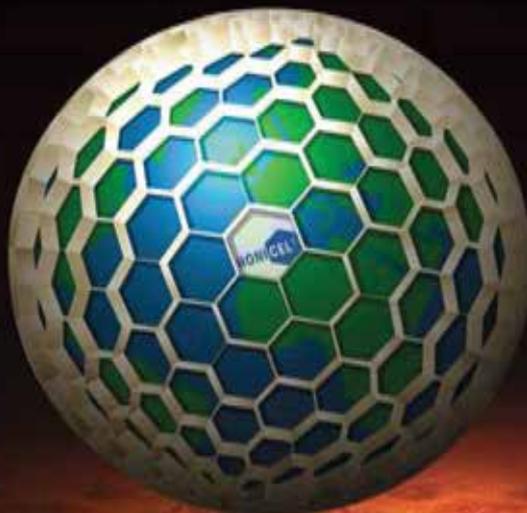
Practically Unbreakable – **10 times more life than normal cups**

**Suitable for all CNC make & models (Homag, Biesse, Felder, SCM etc.)**



**Contact: Shreepal Trade Impex, 29/32, Om Shanti Commercial Premises, Near Parsik Janata Bank, Sector – 1, Airoli (W), Navi Mumbai – 400078 Tel: +91 22 27790114/15 E mail: info@shreepal.in**  
**Bangalore: +91 80 23468088/55 | Coimbatore: +91 422 2522114**

## A Revolutionary Paper Technology for Panel Boards, Partitions & Packaging



### Honigel India Pvt. Ltd.

Reg. Office & factory  
No. 58/86, Munusamy Street,  
Athipet Industrial Estate, Athipet,  
Ambattur, Chennai - 600 058  
Tel: (91) 7845097977, 9840707577  
Email: info@honigel.in

[www.honigel.com](http://www.honigel.com)

# Increasing opportunities for US hardwoods in India



Educational seminars in Jodhpur and Jaipur throw spotlight on their availability, working properties and environmental credentials



Two educational seminars in India in May this year revealed that the Indian market for American hardwoods is turning a corner. With this in mind, the American Hardwood Export Council (AHEC) hosted two technical seminars for furniture manufacturers and importers, in cooperation with two of Rajasthan's key industry associations.

Indian furniture and handicraft manufacturers, primarily located in Jodhpur and Jaipur, two of the country's major wood product manufacturing centres, are exploring the potential to work with different hardwoods, and this provides an opportunity for certain American hardwood species.

1 *Mr. Dana Spessert, NHLA Chief Inspector, answers questions with a hands-on approach.*

"The scale of furniture and handicraft manufacturing in Rajasthan is massive and at least three quarters of what is produced is destined for export markets in the United States, Europe and elsewhere," noted Mr. Roderick Wiles, AHEC Director for Africa, West & South Asia and Oceania.

2 *Mr. Roderick Wiles, AHEC Director for Africa, West & South Asia and Oceania.*

"AHEC believes that American tulipwood, as well as American cherry, soft maple, hard maple and sap gum, could all work well in the products being produced in Rajasthan. However, it is crucial that the key industry players are made fully conversant with what is available from the US and also the NHLA lumber grading rules," Roderick added.

The first seminar was held in Jodhpur with the assistance of the Jodhpur Handicrafts Exporters' Association (JHEA) and the second was held in Jaipur with the assistance of the Federation of Rajasthan Handicrafts Exporters (Forhex).

With around 200 manufacturers in attendance across the two events, AHEC was able to give them an overview of the US hardwood resource, legality, sustainability and the wide range of species.

Mr. Dana Spessert, NHLA Chief Inspector, gave an introduction to hardwood lumber grading with a practical demonstration.

"While there is a lot of anecdotal evidence to suggest that US hardwood species are becoming better known and that there is a need for greater volumes and a greater variety of imported kiln-dried hardwoods for the furniture and interiors sector, the volumes imported remain at a very low level," Roderick noted.

Market developments, however, have already had an impact on the furniture sector and factories are investigating alternative hardwood species, he concluded.

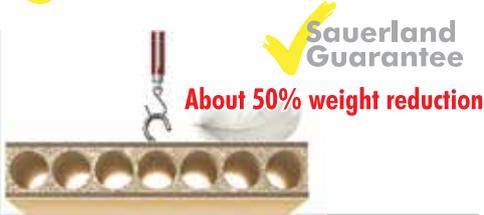
# Looking for the better door ?



**Sauerland Spanplatte**

*7 Reasons  
to use  
Sauerland  
Boards*

**1 Doors with ideal weight**



**2 Doors resisting daily stress**



**3 Doors production with high efficiency**



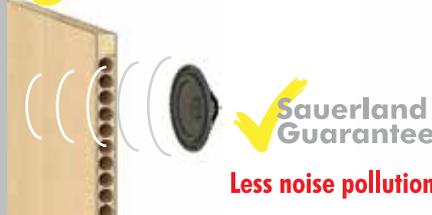
**4 Doors that close properly**



**5 Doors with a perfect surface**



**6 Doors reducing sound transmission**



**7 Doors protection from fire**



Solution for the better door!



WE OFFER :

**Support in Door Construction**  
... following your specific requirement.

**Testing in the Sauerland Lab**  
... regarding all technical demands.

## Sauerland Door Concept



### Sauerland Service

Please compare your actual door construction with the option to apply the **Sauerland Door Concept**.

You will improve quality and performance. Please do not hesitate to contact us.

Door manufacturers interested in new technology Contact :

## Sleek Boards Marketing Services LLP

20, "Landmark" 4th Floor, Paud Road, Kothrud, Pune 411038. INDIA

TEL: 020 - 25463471/25421021

Fax: 020 - 25442559

sleekboardsmarketingservices@gmail.com

[www.sauerland-spanplatte.de](http://www.sauerland-spanplatte.de)



# Trends for tomorrow's living spaces

This year Interzum addressed some very exciting themes and ideas for trade visitors. It demonstrated that outstanding innovations in furniture production and interior construction are constantly being developed.

New materials, technologies and design approaches were just some of the key areas that the trade fair in Cologne (16-19 May, 2017) focused on. The products on display ranged from fittings, surfaces and decors to textiles, glass and lighting all the way through to innovative materials.

**fi** Many more innovative products at the Hettich stall.

The wide-ranging special events at the trade fair examined global trends such as sustainability, digitalisation and mobility. The special Mobile Spaces event area explored how a new understanding of mobility will influence vehicle interiors. Many of the innovations presented in Cologne can be used in both stationary and mobile spaces.

## Interzum growth

- 19% increase in visitors
- 13% increase in exhibitors
- 15% increase in exhibition space.

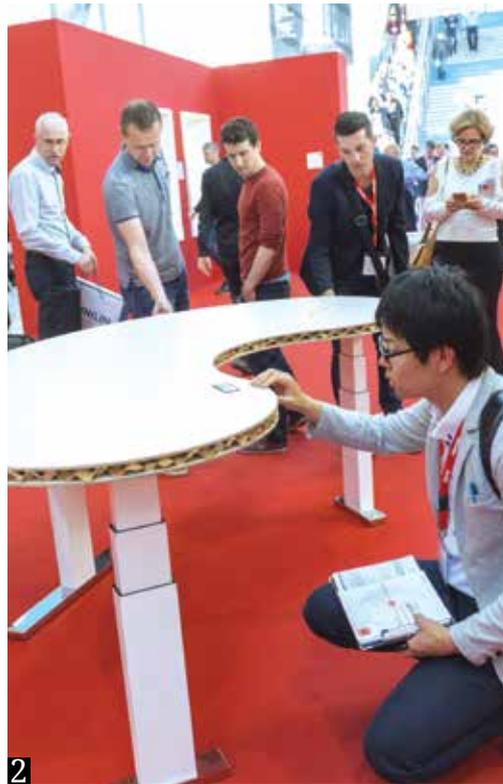


Interzum also ended with some new records: a total of approximately 69,000 visitors from 152 countries attended the world's largest trade fair for furniture production and interior construction. More than 51,000 visitors came from outside Germany. Within Europe, increases in visitor figures were recorded in particular from the Netherlands (up 26%), Spain (up 25%), and Eastern Europe (up 46%).

Considerable increases were seen in visitors from Asia (up 53%), West Asia (up 25%), Africa (up 17%), North America (up 26%) and India (up 41%).

"It was the best Interzum ever yet," said Ms. Katharina C. Hamma, Chief Operating Officer of Koelnmesse GmbH, who was delighted with the results. Some 1,700 exhibitors from 60 countries presented their innovations at Interzum 2017. Foreign exhibitors accounted for 79% of the total.

The next Interzum will take place from 21-24 May, 2019, in Cologne, Germany.



2



3

2 There was stiff competition for the 'Best-of-Best' product awards.

3 As in previous years at Interzum, the stall of India's Greenlam Industries Ltd. was abuzz with interested visitors.



4

4 The year 2017 saw a record number of new products and applications, as seen in the Interzum awards ceremony.

India's Highest Selling Panel Process machinery



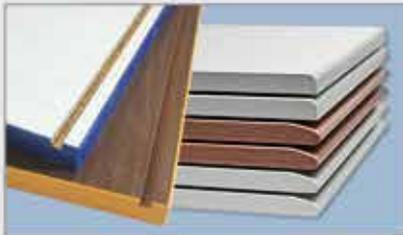
**Modula**

**Advanced Technology, Highest features @ Unbeatable Price!**



**new**

**Euro precision, Upgraded & Expanded  
Auto Edge Bander Range**



Constant growth and R&D consolidated JAI's position as the 'First Choice of the Nation.' Now from basic entry level to ultimate all features m/c; Modula has an Edge-bander Just for you!

- M/cs with feeding speed of 14 m/min gives more production.
- Innovative pre-melting sensor operated glue tank having glue drop system which consumes less than 50% glue, compared to other Edge Banders, which results in increased profits
- No setting required to change thin to thick PVC edge band.
- Low maintenance m/c., easily available cost effective spares, best service support.



J-5500PRc.in

J-5100PRc.in®

Smart Engineering **MADE IN INDIA** Affordable Solutions

J-5500PRc.in



**Widest Range** of m/cs & models to suit your project & budget

**Precision Machines** for perfect finish, more production & better profits

**Value for Money** best engineering, high finish, more features, better deal

**Top-notch Sales & Service** Team of 50 service Engrs., Panwood Exclusives in major cities

**Huge Customer-base** 450,000 machines satisfactorily installed



**JAI industries** [www.JAIindustries.com](http://www.JAIindustries.com)

Corpo. Office : Nr. Ajit Mill Cross Rd., B/s Rakhial - Odhav Flyover, Rakhial - Odhav Main Road, Rakhial, Ahmedabad-380 023, Gujarat, India.  
Ph : +91 79 2291 1400 \ 1900 • E-mail : modula@JAIindustries.com

**Jai Pan'wood Grand**

Asia's biggest m/c-mall at Ahmedabad. A 365 day's m/c expo! 25,000 sq.ft. of well-designed display & demo center.



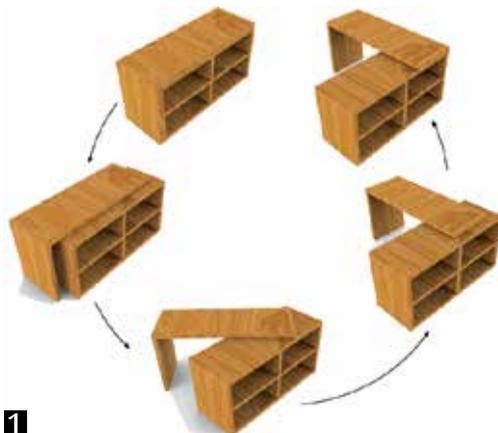
# Innovation in home, office furniture

1 Smooth rotations transform home and office furniture.

2 The CM4070 can be applied to all sorts of indoor furniture applications where the necessity to hide a bench top is required.

The Casetur Mechanism is a space saving concept engineered for home and office furniture. A work desk transforms neatly into a compact shelf using a smooth 2-step rotation.

The mechanism's unique movement enables the work desk to rotate even when placed against a corner; a rotation which normally would be obstructed by the adjacent walls. This advanced mechanism can be applied to a variety of home office furniture, ranging from 48 to 70 cm in width.



1

2



The CM4070, when applied horizontally, makes it possible for surfaces or furniture parts to be rotated horizontally, where the moved part remains in the horizontal layer. A moveable bench top can be rotated outwards from the top of a shelf or side drawer.

The CM4070 can be applied to all sorts of indoor furniture applications where the necessity to hide a bench top is required.

The application of CM4070 will make any work desk incredibly useful. With its functionality the work desk can be stowed away when not in use. This multi-purpose furniture will reduce then to just a regular shelf or drawer, bringing space saving to a new level.

More amazingly, this multi-purpose furniture works when placed in a corner. For horizontal application this comes in handy when a rotation is required although a corner or walls would restrict this movement.

The left two corners of the upper surface are moved and rotated in a smart way, to avoid touching any obstructing walls on the side.

The Munich-based German company is looking for representatives and distributors across India. Check out [www.casetur.com](http://www.casetur.com).

# Complete set of products for making Economical & Functional Modular Kitchen Launching 12.8mm side wall thickness CallistoBOX-Minima



**CallistoBOX-Classic, Size-M,**  
Silver Grey Standard Drawer, 500mm,  
Drawer Height 81mm, Required Min.  
Height 105mm, MRP - **Rs. 3316/-**



**CallistoBOX-Classic, Size-B,**  
Silver Grey High Fronted Drawer,  
500mm, Drawer Ht 81mm, Required  
Minimum Ht 105mm, MRP - **Rs. 4078/-**



**CallistoBOX-Classic, Size-D,**  
Silver Grey Extra High Fronted Drawer,  
500mm, Drawer Ht. 81mm, Required  
Minimum Ht. 105mm, MRP - **Rs. 4260/-**



**CallistoBOX-SP, Size-M,**  
Silky White Standard Drawer, 500mm,  
Drawer Height 81mm, Required  
Min. Height 105mm, MRP - **Rs. 3482/-**  
Graphite Grey MRP - **Rs. 3547/-**



**CallistoBOX-SP, Size-B,**  
Silky White High Fronted Drawer,  
500mm, Drawer Height 155mm,  
Req.Min.Ht. 185mm, MRP - **Rs. 4686/-**  
Graphite Grey MRP - **Rs. 4920/-**



**CallistoBOX-SP, Size-D,**  
Silky White Extra High Fronted Drawer,  
500mm, Drawer Height 185mm,  
Req.Min.Ht. 225mm, MRP - **Rs. 4920/-**  
Graphite Grey MRP - **Rs. 5003/-**



**CallistoBOX-SP, Size-D,**  
Silky White Extra High Fronted Drawer  
with 8mm Glass, 500mm, Dr.Ht. 180mm,  
Req.Min.Ht. 225mm, MRP - **Rs. 5071/-**  
Graphite Grey MRP - **Rs. 5165/-**



**CallistoBOX-MINIMA, Size-M,**  
SilkyWhite Ultra Thin Drawer, 500mm,  
Drawer Height 84mm,  
Req.Min.Ht. 115mm, MRP-Rs. **4005/-**  
**Side Thickness ONLY 12.80mm**



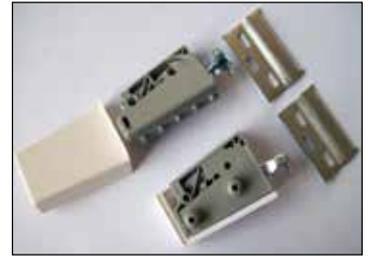
**CallistoBOX-MINIMA, Size-K,**  
Silky White Ultra Thin Drawer, 500mm,  
Drawer Height 116mm,  
Req.Min.Ht 147mm, MRP-Rs. **4445/-**  
**Side Thickness ONLY 12.80mm**



**CallistoBOX-MINIMA, Size-B,**  
Silky White Ultra Thin Drawer, 500mm,  
Drawer Height 167mm,  
Req.Min.Ht 198mm, MRP-Rs. **5154/-**  
**Side Thickness ONLY 12.80mm**



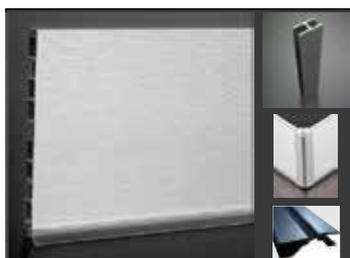
**CallistoBOX-MINIMA, Size-D,**  
SilkyWhite Ultra Thin Drawer, 500mm,  
Drawer Height 199mm,  
Req.Min.Ht 230mm, MRP-Rs. **5670/-**  
**Side Thickness ONLY 12.80mm**



**Callisto Wall Hanging Bracket**  
MRP-Rs.179/-



**Callisto Plastic Shelf Support**  
MRP - **Rs. 6.00/-**



**Callisto Plastic Skirting with Real Alum.**  
Foil, 3m, 100mm MRP - **Rs. 1350/-**  
150mm MRP - **Rs. 2111/-**  
Parallel Conn. MRP - **Rs. 90**(100mm),  
180(150mm), Flexi Conn.  
MRP - **Rs. 120**(100mm), 180(150mm)  
(150mm)90 Deg.Conn.MRP-Rs. **5154/-**



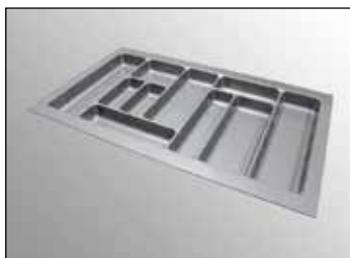
**Callisto Plastic Leg, 100mm**  
MRP-Rs. **32/-**, 150mm MRP-Rs. **51/-**  
Skirting Clip MRP - **Rs. 8/-**



**Callisto Flap Fitting, Flap**  
Width: 600mm ~ 900mm Flap  
Height: 350mm, MRP - **Rs. 1950/-**



**Callisto Cutlery Insert for 600mm with**  
Drawer, Depth 480mm,  
MRP - **Rs. 1230/-**



**Callisto Cutlery Insert for 900mm with**  
Drawer, Depth 480mm,  
MRP - **Rs. 2175/-**



**CallistoBOX-MINIMA**  
Side Thickness  
ONLY 12.80mm



**Innovative Furniture Fittings**

**Lifestyle Accessories (India) Pvt. Ltd.**

B - Wing, Ground Floor, Abhinav Apartment, Shraddhanand Road,  
Vile Parle (East), Mumbai - 400 057, Maharashtra, India  
Tel. No.: 2618 0007 / 98332 71046  
E-mail : info.lapl@gmail.com | Web : www.furniturefittings.in



## Decora's Ornare range makes an impression

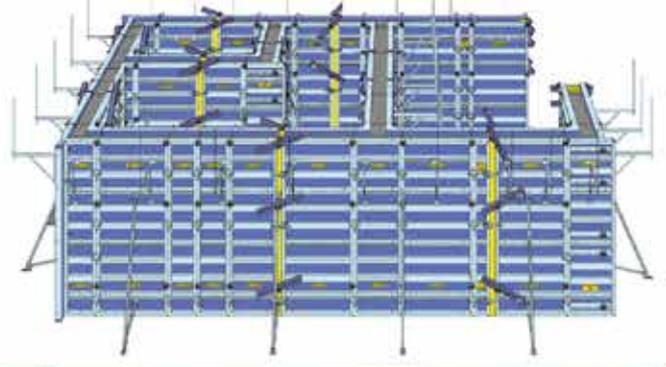
Decora Group, manufacturers of Ornare high-gloss acrylic panels, participated in Interzum 2017 for the first time. With the aim of exporting Ornare and other decorative panels and components, the Gurugram-based company is eyeing markets in South Asia, the Persian Gulf region and African countries.

"Interzum Germany is a platform where we get buyers and trade visitors from all over globe. So we felt it wise to exhibit at a big

show," said Mr. Saurabh Jain, Partner of Decora Group. "Since many visitors are also from India, we get better brand value and recognition in the domestic market."

Apart from the Ornare range of high-gloss panels, Decora also had on offer its Polimero structured and super matt panels. "We got very good response to our new textures. We have quite a few serious enquiries for exports," Saurabh added.

# Sharp Ply<sup>®</sup> presents Construction Formwork & Scaffolding...



Densified Shuttering Plywood



Laminated Veneer Lumber



Pinewood Lengths

## Pre-Hung Doors



Calibrated Densified Seating Sheet



Pallets



Formwork Beams



Birch Plywood

## Sharp Ply (India) Private Limited

Corporate Office  
'Suhani Villa', # 33, Middle School Road  
V. V. Puram, Bangalore 560 004  
Tel: 080-2660 0117 Telefax: 080- 2660 0118  
Website: [www.sharpply.com](http://www.sharpply.com) Email: [info@sharpply.com](mailto:info@sharpply.com)

# Sharp Ply<sup>®</sup>

FORMWORK TO FINISH



Variant Factory Ltd

Offices also at: Chennai, Hyderabad, Kochi, Kolkata, New Delhi, Vijayawada, Surat (Gujarat), Raipur (C.G), Colombo (Sri Lanka)

# Full house at Hafele in Cologne



1



2

At Hafele's stand, 'Micro Living' was presented in two scalable apartments, where visitors were able to experience live and intelligent furniture.

With a successful appearance at the Interzum in Cologne, Hafele convinced the specialist world and received an incredibly positive response to the forward-looking topics and new products that were exhibited. The team on the booth enjoyed a full house with international flair right from the start.

Hafele rode the wave generated by the record number of exhibitors and visitors, harmonised visions and innovations, and gave people a great deal to think about. The hardware technology specialist thought ahead in its motto of 'More life per square metre', and turned furniture technology into something that could be experienced in its entirety on the trade fair booth.

Specialist visitors also focussed on the contributions for smart and digital networking for furniture and rooms regarding the megatrends of 'Micro Living' and 'Smart Home'.

The one-piece Ixconnect spreading bolt was adjudged the 'Best of the Best'.

As a motivating starting shot a jury gave the nod to two new furniture connectors from Hafele. The one-piece Ixconnect spreading bolt 8/25 won the highest distinction with the 'Best of the Best' designation. Another prize was awarded for the new EasyStorage connector, a universal, tool-less connector for furniture pieces.

## Hafele Connect

Hafele Connect is the name of the key to smart,

networked furniture and rooms. The internationally successful Loox LED lighting system for light and sound in furniture is the starting point. Thanks to a plug-and-play system and universal connectivity, furniture of all kinds can easily be electrified.

Hafele demonstrated to industry and craftsmen what is already possible today, using real examples. Intelligent software opens up the way into the furniture via an app. The next step of comprehensive room control with the Hafele Hub is still a dream of the future.

'Micro Living', or comfortable living in a small space, was presented on the example of two scalable apartments. Here the visitor was able to experience live intelligent furniture with expanded functions can influence and modify rooms. This presentation impressed with its inspiring functionality.

However, it also clarified the new market opportunities that exist with furniture ideas which are suitable for the world of generally increasing scarcity and cost of living space and the fusion of living areas into new, often smaller units. Hafele calls this concept 'Hafele Concept', which has led to numerous, in-depth technical discussions about industrial furniture construction.



## Vacuum Pumps & Blowers for the Wood working Machinery



HV 650



2 GH 810



HV 1000



HV 3000

### FALCON VACUUM PUMPS & SYSTEMS

98, Ram Saroop Industrial Complex, Mujessar, Faridabad - 121 005, Haryana (INDIA)

Phone : +91-129-4022837, 4026023; Fax : 4022837 | E-mail : tkbind@hotmail.com; falcon\_pumps@yahoo.co.in

[www.falconpumps.com](http://www.falconpumps.com)

Jowat | Your partner in bonding

Visually zero  
joint in  
PUR quality



For highest demands:

## Jowatherm-Reaktant® 608.00/.01

- Also available as PUR granulate
- Universally applicable
- Transparent – for colorless gluelines
- High initial strength
- Exact, stringfree processing
- Excellent thermal stability
- Reduced amount of adhesive

Jowat – First class bonding.

**Jowat**   
Klebstoffe

[www.jowat.com](http://www.jowat.com)



Color fast,  
Long Lasting,  
Dries in Seconds.

## Furniture TOUCH-UP Markers

Hides scratches

Chips and worn edges

These Furniture Touch-Up Markers,  
comes in 6 Different Colours & is used  
to restore the colour of the wood



Oak



Maple



Walnut

Designed for  
light, medium  
and dark brown  
finishes

Furniture, Floors, Wood work,  
Cabinets, Doors, Frames and more...

Mfg. by : SONI POLYMERS PVT. LTD.  
42, Bajaj Nagar, Nagpur - 440 010 (INDIA)  
e-mail : [domestic@soniofficemate.com](mailto:domestic@soniofficemate.com)  
Consumer Care Cell Tel. No. +91-712-222-1746  
Website : [www.soniofficemate.com](http://www.soniofficemate.com)



For use on  
Wood &  
Wood  
Laminates

# Hettich's VR raises the bar



*Optimum use of space, even under stairs, with folding door and handle-less fittings.*

Hettich, one of the major participants at Interzum, created a buzz with its virtual house that displayed the existing range of fittings, as well as a new product that was being launched.

At the entrance was an abstract representation of digitally structured concept called the Hettich Cube. It is a device to familiarise visitors to the four indispensable domains: Space Savers through simplification in design and production; Mould Breakers that offer the best product based on budgets; and Comfort Shapers that are driven by making the user feel comfortable in various ways.

The Cube preceded a virtual show house that had been created to display the numerous fittings used in different rooms. The visual journey began with a hallway displaying a narrow shoe cupboard that created space even in small apartments, behind coat hooks, and the mirror and could be found hidden in storage space that opened up easily and without handles.

This was achieved by Easys opening system, Actro 5D runners and Sensys push-to-open, combined with handle-less design and opening convenience.

Before moving within the virtual house, Hettich displayed the optimum usage of available space under stairs with WingLine L, the new folding door fitting where the door set is automatically slows down as it opens all the way in response to a push or a minimal pull on the handle.

*Hettich's Comfort Swing was honored with the title of 'Best of the Best' at Interzum for being the first lifting system to raise the dishwasher's bottom rack to the level of the top rack. It ensures transfer of clean dishes from the dishwasher effortlessly.*



The technical sensitivity displayed in the combination of Big Org@Tower with Easys opening system requires no magnetic closure. Finally, with the Quadro push-to-open, the entire drawer was transformed into a touch panel for open drawers with handle-less fronts.

Also displayed was a space saving, storage-enhancing shoe rack for shoe polishes, sprays and shoe trees. It used fittings like the Quadro Drawer runner that enhanced the drawer opening distance three times for resting feet on, Rastronet adjustable fitting and Quadro V6 runner.

This was followed by the utility room for practical storage space with clever ways of storing. The sliding shelf made dual use of space with a space behind the shelf to keep the ironing board, vacuum cleaner, etc.

The corner shelf could be lowered and raised with Lega Drive, the ergonomically driven electrical adjustable lifting column system that takes the required surface to the chosen height. Also on display was the CargoTech wire basket pull-outs.

The living room showcased a moveable display cabinet in a combination of glass, matt black and metallic look. Use of SlideLine M, the sliding mechanism for large surface doors with flush fittings with a weight capacity up to 30 kg, along with Sensys gave a suave look.



# Streamline your production

**FELDER**

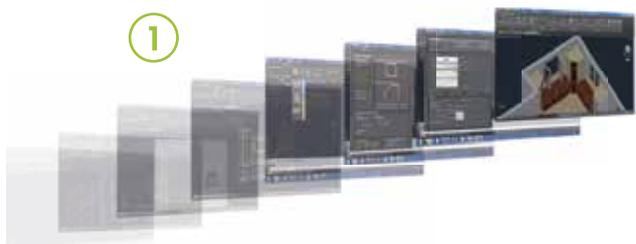
**FORMAT**

**Hammer**

**NI** MACHINE MARKET

**F**  
**SOLUTIONS**

1



2



5



3



4



1. **F4 Solutions** CNC-Software > 2. **kappa automatic classic** Beam saw > 3. **tempora 60.08** Edgebander > 4. **c-express 920 classic** CNC drilling > 5. **High-end quality finished product**

We are your woodworking machine specialists for industry, business and hobby use

## FELDER GROUP INDIA

**Mumbai (Headquarters):** 302, Western Edge 1, Above Metro, Western Express Highway, Borivali (East), Mumbai - 400066

**Bangalore:** 371 & 372, 10th Cross Road, 4th Phase, Peenya Industrial Estate, Bangalore 560058

**Delhi:** F-441, Sector 63, Noida 201301

**Pune:** Plot No. 596, S. No. 78, NDA Road, Shivane, Pune 411023



**Request your free  
catalogue now!**

Mumbai: 022 3373 4300-98

Bangalore. 080 4157 3661

Delhi: 012 0455 4344

Pune: 090 2250 7004

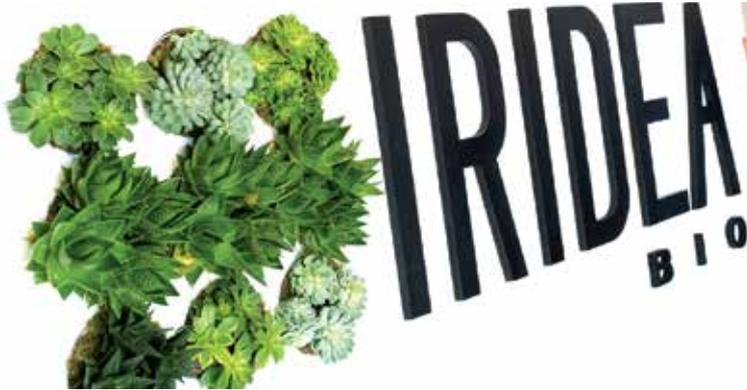


**Machines + Tools  
for woodworking**

[www.felder-group-india.com](http://www.felder-group-india.com)

[info@felder-india.com](mailto:info@felder-india.com)

# Now, 'veggie' coatings for wood



ICA showcased Iridea Bio, a newly designed formulation for water-based coatings. This achievement stands out as it has been done in the chemical sector that is dominated by oil derivatives.

It is made with renewable materials derived from innovative processes for refining waste vegetable matter that cannot be transformed into food. The innovative coatings range received the Interzum Award 2017 for its outstanding quality in the 'Materials & Surfaces' category.

A revolution in environmental sustainability, with 40% raw materials derived from waste vegetable matter, the ICA Group's vegetable-based coatings are available in both transparent and pigmented versions, and have an unlimited potential for chromatic variation.

They are hard, resistant to chemical and UV aggression, and can also be used in industrial applications like petroleum-based products.

Bio water-based coatings have several advantages over commercially available coatings made with alkyd resins from renewable sources that include faster drying, longer resistance to yellowing, harder resistance to subsequent coats and ideal for high throughput industrial processes.

The renewable content oscillates between 30% and 40% and the water-based coatings also have a very low VOC content. The C14 dating technique demonstrated that the renewable content in the "bio-genetic" materials used in Iridea Bio varied between 30% and 40%.

# Rushil Decor introduces laminates for outdoors



Rushil Decor, a global leader in panel products, introduced its 'Vir Ext-Lam', a superior quality laminate used for exterior applications. This range of laminates is technically superior and developed in a way that makes it worthy for applications under extreme weather conditions.

Rushil Decor has been one of pioneers at

Interzum, marking its presence 20 years ago. The company has been focusing on overseas markets by presenting high-end quality products and vivid selection of laminates.

At Interzum2017, the company presented the 'art gallery' experience to its visitors, aimed at giving a feel of designs and products inspired by art masterpieces. Additionally, the Indian company focussed on post forming laminates, which offer smooth curves and bends.

The company's latest development also focuses on 'Anti-Mar UniColor' range of colour core laminates that offer micro-scratch resistance on the laminate surface. In comparison to conventional laminates, 'Vir UniColor' laminates are durable and resistant to scratches and scuffing.

Vir MDF, Vir Prelam and Vir Laminates are all fruits of the brand tree of Rushil Decor Limited. A step forward was taken by the Rushil Group to promote its brand beyond geographical boundaries.

The moment of truth!

Take the lead with **JOWAY**

" The builder that goes beyond your expectation  
for top quality machine with fair prices."

JOWAY, See You @LIGNA  
HANNOVER- GERMANY  
May 22-26, 2017  
**LIGNA**  
Hall 11  
Stand F43

**Local Distributor & Tech Support:**

Sanjay Woodtech E-mail: sanjaywoodtech@gmail.com  
Tel: +91 941 4039 793 / 98 2921 2261  
www.sanjaywoodtech.com



**JOWAY MACHINERY CO., LTD.**

E-mail: joway@jo-way.com www.jo-way.com



**P-32**  
SLIDING TABLE SAW



**FirmMax 4-2**  
AUTOMATIC EDGE BANDER



**JR-18**  
STRAIGHT LINE RIP SAW



**JRS-12TK**  
STRAIGHT LINE RIP SAW

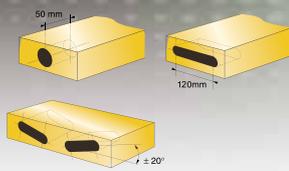


**YOW CHERNG MACHINERY CO., LTD.**

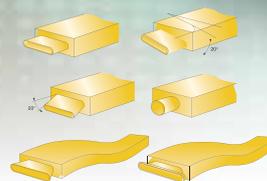
No. 41, Ln. 168, Fuzhuang St., Shen Kang Dist., Taichung City 429, Taiwan  
Tel: +886-4-2563-3967 / 2563-3863 Fax: +886-4-2563-3770  
E-mail: yowcheng@ms15.hinet.net http://www.yowcheng.com.tw



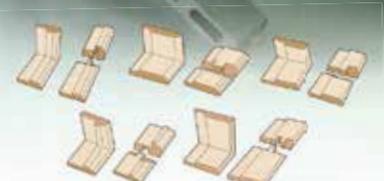
**YC-480 / YC-480A**  
Continuous Dovetailer



**YOM-120**  
Oscillation Mortiser



**YRT-115**  
Rectangular Tenoner



**YC-TF7**  
CNC Automatic Milling  
Tenoning Machine

Taiwan-made Products !

**WOODTECH**

**WOODTECH CONSULTANTS PVT. LTD.**

# 31/2, Nadakerappa Industrial Estate, Andrahalli Main Road,  
Near Peenya II Stage, Vishwaneddam Post, Bangalore, 560 091.  
Tel.: +91-80-2836-4584/5 Fax: +91-80-2836-1166  
Email: info@woodtech.in Website: www.woodtech.in



# 28 new decors from Lamigraf



Lamigraf launched a wide range of new furniture and flooring decors in addition to the existing 15 new decors and 5 new unicolors, at Interzum. The new collections, which define new lifestyles consist of three new trends: Natural Soul, Cross Coolture and Embracing the Past.

Natural Soul is composed of rustic and natural decors that express harmony, naturalness and authenticity. Cross Coolture is a reflection of diverse cultural influences on interior design and one can find the most exotic and dynamic décors in the collection.

The last trend, called Embracing the Past is born from the idea of using old materials like cement, metal or worn woods, to bring a retro and vintage air.

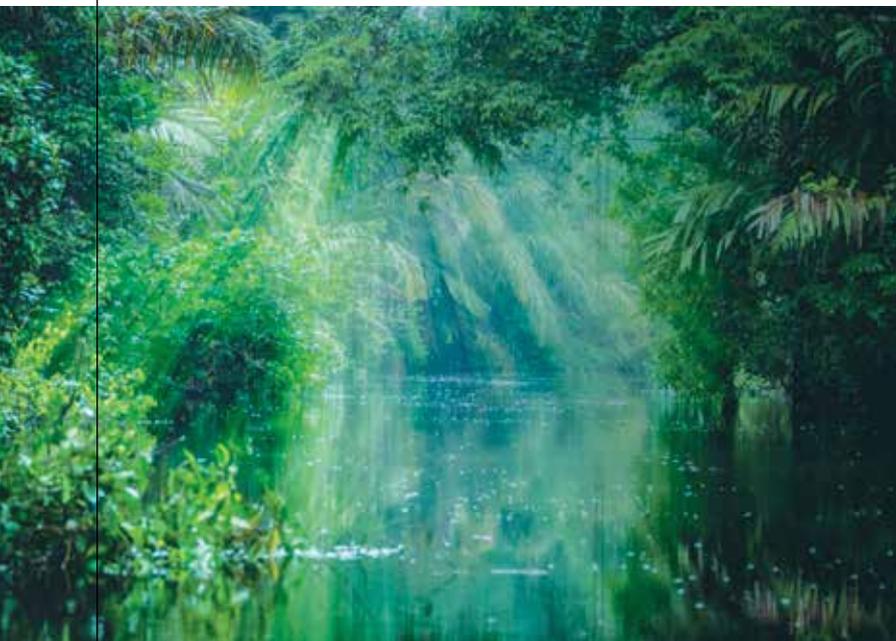
The designs that have generated more interest are Tibet, Amalfi and Woodland Oak along with the fantasies called Crossroad, Oxid Cement and Midtown. Oak is still the undisputed number one trend in timber.

Whether linear or plank, elegant or rustic, no other type of wood offers so many possibilities with such exceptional colour interaction. Other prominent designs are the sublime stones called Woodstone and Dulux and the Speyside Ash.

The company also launched a special collection called Allin, composed of six new decors with a wide range of colours that are made of different materials that include melamine, finish foil, synchro, PVC and edge band.

The main focus of this collection is to harmonise processes from décor development to furniture production, guaranteeing an excellent surface-quality finish and a value-added product.

To provide edge band tape to match the surface, perfectly harmonized in design and refinement, Lamigraf has tied up with Rehau, who will provide a wide range of special edge banding with these decors.



**Jayaraj**  
Leaders in Timber

**Jayaraj International (P) Ltd.,**

(an ISO Certified Company 9001:2008)

Teak wood Logs | Teak Sizes | Door & Window Frames  
Hard wood Logs & Sizes | Teak Planks | Doors

*Leaders in Teak Wood*

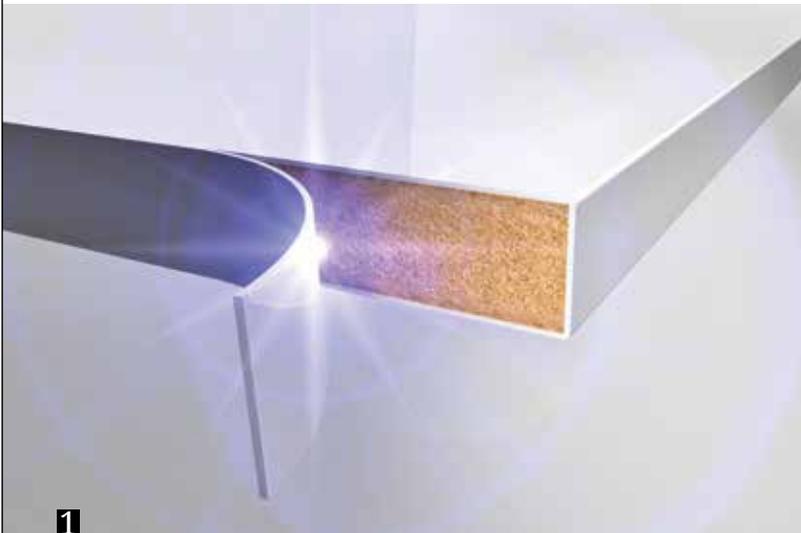


**T. Raja Sekhar**  
Managing Director

**Timber Yard :** No.19, Jaya Street, Puzhal Union Road, Vadaperumbakkam, Chennai 600 060  
**Corporate Office :** 12/1, First Floor, United India Colony, 4th Main Road, Kodambakkam, Chennai 600 024  
**Contact :** 098400 70992, 098408 15812, 093846 66606 , 093815 15555  
**Projects :** 098400 70992, 093815 15555  
**Email ID :** [jayarajenquiry@gmail.com](mailto:jayarajenquiry@gmail.com)      **Website :** [www.jayarajtimber.com](http://www.jayarajtimber.com)



# Rehau shows design competence and innovation



1



2

Another innovation is the award-winning polymer Rauvisio that won the 2017 Interzum 'high product quality' award for intelligent material and design with its crystal mirror, which largely compensates for the disadvantages of real glass mirrors and is 50 % lighter and 10 times more resistant to breaking than glass. Like all Rauvisio products it can be processed with common woodworking tools.

High-gloss laminate Rauvisio brilliant is UV and scratch-resistant and has outstanding colour quality, while structure laminate Rauvisio wave stands out with its surface wave look.

Polymer stone Rauvisio Karat has the hardness and stability of real stone while being light and easy to transport. It is used in bathrooms, kitchens and interior design.

With its Raukantex edge band range, Rehau covers all requirements in terms of design and application techniques. It offers over 20,000 edge band designs for perfectly coordinated surface edges that meet all requirements in terms of design, function and processing. The highlight of the portfolio is the Raukantex pro zero-joint edge band that has a special polymer functional layer, with an exact colour match of the visible side.

Rehau also launched various system solutions, which a kitchen furniture manufacturer can use individually, such as the Tambour door solution from the Rauvolet range, or the elegantly shaped Rauwalon perfect-line wall seal systems.

With Rehau acoustic solutions, the company offers various products that are efficient and attractive solutions for individualised design of office environments.

The polymer specialist, Rehau presented a range of new solutions that included the latest edge band solutions from the Raukantex portfolio, the Rauvisio surface range and the Rauvolet tambour door systems, all with an extended range of applications.

The crystal glass laminate offers several advantages compared with real glass: the surface is resistant to breaking, scratch-resistant, significantly lighter and extremely flexible in processing. The different crystal variants can also be milled, bent and refined with inlay work.

Rauvisio crystal magnetic produces many additional design possibilities that include magnetic splash-backs in the kitchen to presentation surfaces in the conference room.

1 Rehau's Raukantex offers over 20,000 edge band designs for various applications.

2 The Rauvisio crystal mirror won the 2017 Interzum 'high product quality' award.



# Solid Wood Bonding

Perfect solutions for windows, doors, furniture ...



Competence **PUR**

**AHMEDABAD:** M/S. M. P ASSOCIATES: Mr. Pankaj Patel / Mr. Rakesh Patel M. +91 9725208021 E. pankaj@mpassociates.co.in  
**BANGALORE:** M/S. VICTORY COMFORTS: Mr. Arun Kumar \ Mr. Guruprasad M. +91 94482 92444 E. victorycomforts@gmail.com  
 M/S. MEGA PANELS PVT. LTD.: Mr. Manoj Dugar \ Mr. Manish M. +91 97313 01667 E. megapanelsales@gmail.com  
**CHENNAI:** M/S. MEGHA TRADING COMPANY: Mr. Kavin M. +91 94426 20726 E. meghatradingcom@gmail.com  
**COCHIN:** M/S. VIJAYA TRADERS: Mr. Shammi Menon M. +91 93879 49121 E. vijayatraderskm@gmail.com  
**COIMBATORE:** M/S. MEGHA TRADING COMPANY: Mr. Kavin M. +91 94426 20726 E. meghatradingcom@gmail.com  
**HYDERABAD:** M/S. PYRAMID IMPEX INTERNATIONAL: Mr. Hussain Kagalwala M. +91 99894 75152 E. pyramidimpex@gmail.com  
**INDORE:** M/S. D&S ENTERPRISES: Mr. Ajay Kumar Latha \ Mr. Alok Latha M. +91 94253 11239 E. shreejeeh@gmail.com  
**JAIIPUR:** M/S. M P ASSOCIATES: Mr. Minesh Patel \ Mr. Rakesh Patel M. +91 97252 08023 E. minesh@mpassociates.co.in  
**JODHPUR:** M/S. MAHAVEER INTERNATIONAL: Mr. Raju Bothra M. +91 99296 70939 E. mahaveerinternational@rediffmail.com  
**LUDHIANA:** M/S. AWAL TOOLING: Mr. Mandeep Singh M. +91 95010 12365 E. awaltooling@gmail.com  
**MADURAI:** M/S. MRI POWER TOOLS: Mr. B. Padmanabhan M. +91 99447 94931 E. mrpowertools@gmail.com  
**MUMBAI:** M/S. KLB MARKETING: Mr. Sunil Biyani M. +91 81499 67968 E. sunil.biyani@klbmarketing.com  
 M/S. PARALLAX INDUSTRIES LLP.: Mr. Mehul Bhatia M. +91 93225 10842 E. mehul@parallaxdecor.com  
 M/S. ARYAMMAN INTERIOR SOLUTIONS PVT. LTD., : Mr. Dhanesh Bhatia M + 91 98200 64060 E. dhaneshbhatia@aryamman.in  
**NAGPUR:** M/S. PRANJAL ENTERPRISES: Mr. Rajkumar Dharpure M. +91 93731 00887 E. rkdharpure@yahoo.com  
**NORTH KARNATAKA:** VIBAGINI AGENCIES: Mr. SOMASHEKAR B. MENSINKAI M +91 94481 12255 E. vibaginiagencies@gmail.com  
**NEW DELHI:** M/S. DYNAMIC POWER TOOLS: Mr. Dinesh Kumar M. +91 96508 07166 E. dynamicpowertools@gmail.com  
 M/S. MAJOR TOOLS: Mr. Saurabh Gupta M. +91 93506 20853 E. saurabh\_majortools@yahoo.in  
**PUNE:** M/S. SHRI KRISHNA ENTERPRISES: Mr. Shankar Prasad M. +91 81499 67968 E. shrikishnanenterprises.pune@gmail.com  
**RAIPUR:** M/S. SHREE JEES HARDWARE: Mr. Ajay Kumar Latha \ Mr. Alok Latha M. +91 94253 11239 E. shreejeeh@gmail.com  
**WEST BENGAL & BHUTAN:** UMA ENTERPRISES: Mr. Ashok Mittal M. +91 90023 62500 E. umajoin09@yahoo.com



For further information please contact us:

## **KLEIBERIT Adhesives India Pvt. Ltd.**

3 I, 3rd Floor, No. 6, Rediffice Signature, Hospital Road,  
Shivajinagar, Bangalore - 560 001, Karnataka, India

Phone: +91 80 2559 6667, +91 80 2559 6669

Email: info@kleiberit.com

[www.kleiberit.com](http://www.kleiberit.com)

# Stylam impresses on debut



Stylam Industries Ltd., a premier Indian manufacturer of high-pressure laminates, displayed a wide array of its eco-friendly products. The focus was on the newly launched “solid surfaces” under the brand name Granex, being manufactured in India with German knowhow.

Flawlessly shaping the contours of the laminate industry across globe since 1991, Stylam is one of the largest manufacturer and exporter of decorative laminates, enjoying a formidable market presence in more than 60 countries.

Based in Chandigarh, it has manufacturing facilities in neighbouring Panchkula district of Haryana. It has business representatives in Italy, the UK, the Netherlands, Spain, Portugal, Thailand and Australia.

Also on display were Stylam’s premium quality interior and exterior laminate products that have become benchmark in the

industry. The company has more than 2,500 designs and 600 textures.

It manufactures laminates from 0.6mm to 25mm (thickness) in sheet sizes of 8x4, 10x4.25 and 14x6 . Stylam also manufactures exterior cladding and exterior floor boards, which have thickness of 6 mm & 14 mm respectively.

Stylam maintains highest standards in manufacturing process, for which it has received numerous accolades and certificates. It is a ISI, ISO, CE, FSC, GreenGuard, and Singapore Green Label certified company.

Stylam is on the cusp of introducing two new verticals in its current business: restroom cubicles and lockers under the brand name Cuboid, which will be available in the market soon.

Stylam Industries is setting up Asia’s biggest laminate plant in India, with state-of-the-art manufacturing facilities as per global standards.



# alphacam

## THE WORLD'S #1 WOODWORKING CAM SOFTWARE

Alphacam is a completely integrated CAD/CAM software solution designed to offer your business enhanced productivity, exceptional reliability and additional flexibility. Alphacam is the industry standard and system of choice for programming CNC routers, providing significant material and time savings.



[www.alphacam.com](http://www.alphacam.com)

**vero**  
Software



### PUR Bag Melter from Germany

- Stand Alone machine. Does NOT require Gas or Dry Air
- Can be connected to ALL Types of Edge Banding Machines
- Changeover to PUR glue from EVA and Vice Versa in few Minutes
- No Flushing or Cleaning Required. Just switch ON/OFF PUR when required.
- Easy touch screen control. Auto/Manual Mode.
- Use only as much Glue as required for the job – No More, No Less
- Maximum Utilization/Minimum Wastage of PUR Glue



**Contact: Shreepal Trade Impex, 29/32, Om Shanti Commercial Premises, Near Parsik Janata Bank, Sector – 1, Airoli (W), Navi Mumbai – 400078 Tel: +91 22 27790114/15 E mail: info@shreepal.in Bangalore: +91 80 23468088/55 | Coimbatore: +91 422 2522114**

# Jowat presents innovative adhesives

Jowat, one of the leading suppliers of industrial adhesives for the manufacture of upholstery, furniture and mattresses, primers for edge bands and foils, as well as edge banding adhesives for the furniture industry, presented its powerful PUR hot-melts at Interzum.

The reactive hot-melts are characterised by higher yield compared to other systems, and better adhesion on the different substrates used in the assembly of foam mattresses with an increasing number of layers.

In addition, these adhesives have improved wetting/penetration of the materials and are ideal for applications with high requirements, for instance regarding sterilisation. Due to the quicker build-up of strength of the adhesive, the PUR technology facilitates a faster packaging of the mattresses and therefore more efficient manufacturing processes.

Innovative primers for edge bands and foils developed by the company ensure an optimum adhesion of adhesives on materials that are difficult to bond and require a surface treatment. These adhesion promoters are crucial for high bonding strength as well as for the aging resistance and consequently for the durability of the bond.



The modern primer portfolio ranges from new toluene, THF, NMP and NEP free solvent-based primers to non hazardous water-based primers.

A new unfilled PUR hot-melt adhesive meets highest requirements for quality and appearance in edge banding. Jowatherm Reaktant 608.00 meets the highest standards with regard to a superior appearance of the bond line due to substantially reduced application amounts and the transparent adhesive film.

In addition, the adhesive is also characterised by a wide range of adhesion, excellent thermal stability, and high green strength. An unfilled granulate version of this PUR hot-melt, which has been introduced, is easy to process and makes this adhesive particularly attractive to processors who are new to PUR technology.

**SUBSCRIBE TO**

**WOODNEWS**

FOR OFFERS

Contact: Mr. Chandrababu | Mob: +91 99866 00036

E-mail: [subscribe@woodnews.in](mailto:subscribe@woodnews.in) | [www.woodnews.in](http://www.woodnews.in)



AMAZING REFLECTION > 92 GU



SCRATCH RESISTANT 5N



BOARD DENSITY : 750 - 780 KG/M3



DURAPLY  
OUTDOOR APPLICATION

Introducing World's most finely crafted Plywood.  
It's not just a Product, It's a Solution.

- 100% Calibrated and Bending Free
- Easy to Machine & CNC Routing
- No Sanding Required



PLYWOOD CATALOGUE



REINFORCED  
BIRCH PLYWOOD



EFFICIENCY  
HDF PLYWOOD



POLYGLOSS CATALOGUE



## Jaijinenadra Decors LLP

Add : 7-8, Building B1, Rajlaxmi Complex, Kalher Village, Bhiwandi, Thane - 421302 Maharashtra

✉ admin@cedarwoods.in

🌐 www.cedarwoods.in

☎ +91 98988 76526

: WE NEED PARTNERS WHO COMPREHENDS QUALITY :

WEST : +91 9898876526 | SOUTH : +91 99676 60995 | NORTH : +91 99789 78888

# Furniture, Lighting, Upholstery: all yours for the picking!

From March 8-12, 2018, leading trade fair in Bengaluru expands exhibitor & visitor profiles to help give impetus to a burgeoning industry

IndiaWood, being held every alternate year for nearly two decades, has transformed the woodworking industry in India. It is now one of the world's leading trade fairs for furniture manufacturing technologies and the woodworking trade and industry.

The 10th edition of IndiaWood takes place in Bengaluru from March 8-12, 2018, at the Bangalore International Exhibition Centre (BIEC). And it is all set to expand exponentially, from 38,000 square metres of exhibition space in its previous edition to 50,000 square metres.

As the leading platform for this sector, IndiaWood gives buyers a complete overview of the market in all its dimensions. It is seen as a driving force behind innovation and success in the solid wood and panel-based furniture production industry in the country. IndiaWood has consistently set the pace for the next two years.

Through proactive engagement with stakeholders and a genuine commitment to excellence, IndiaWood has evolved in line with industry demand, and is globally recognised for doing so. Exhibitors continue to value the strength of IndiaWood 2018 as a strategic platform, and will be showcasing the latest technology and innovations that are currently shaping modern furniture production.

More than 65,000 craftsmen, woodworkers and furniture manufacturers; distributors, dealers and manufacturers of hardware and accessories; plywood and particle board manufacturers and traders; manufacturers of wood-based products; architects, interior designers and builders; and the entire woodworking ecosystem from all over India and South-East Asian and South Asian countries is once again looking forward to IndiaWood 2018.

Germany, China, Italy, France, Turkey, Taiwan, Canada, Malaysia, Russia, Sweden, Brazil and the USA will participate under their country pavilions. There will be representations also from Nepal, Sri Lanka, Bangladesh, Myanmar,

Bhutan, Thailand, Indonesia and the Philippines.

Besides, there will be product and technique demonstrations of over 500 woodworking machines; the popular 'Sourcing Forum' to help manufacturer-supplier interaction to exploit potential business opportunities; and activities to attract architects, interior designers and builders to help them understand the complete supply chain.

## IndiaWood 2018 Highlights

50,000 square metres exhibition space

More than 850 exhibitors

12 country pavilions

65,000-plus industry visitors

Over 200 media representatives

## IndiaWood2016 Records

- 703 exhibitors from 30 countries
- 38,000 square metres of display space
- 50,000+ visitors from India, 53 nations

## Venue expansion

Going by the pre-bookings and enquiries received over the past months PDA Trade Fairs, the organiser of IndiaWood, has increased the show area by another 25%. The layout will now have four halls, an exclusive area for outdoor display, and three huge registration areas for visitors to ease the registration process.

With over 50,000 square metres on hand, the organiser expects to cover every facet of woodworking and furniture production, making IndiaWood a must-go-to trade show, with all great business opportunities under one roof. This time around, there will be additional profiles of exhibitors:





## 40% jump in visitor interest

Organiser offers social media and marketing support to all exhibitors, for free!

Bringing together the best and most influential decision makers within the woodworking and furniture industry from across India, the 2017 edition of MumbaiWood is expected to be an “unmissable” trade and technology platform for manufacturers and carpenters, as well as architects and real estate developers.

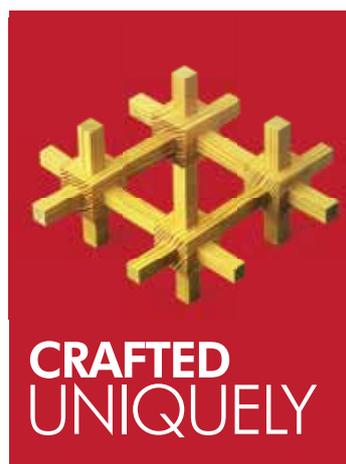
MumbaiWood is scheduled to be held from 12-14 October at the Bombay Exhibition Centre. Now in its 3rd edition, the event is the ideal platform for exhibitors and buyers looking to gain an edge in a highly competitive market and meet face-to-face with decision makers.

According to Mr. SivaKumar V, Vice-President, PDA Trade Fairs, “Massive investments in hospitality, real estate, tourism, retail and hospital sectors across India have helped the furniture manufacturing industry enjoy a period of steady growth.”

“This growth has been reflected in our

**Mumbai**  
WOOD

12–14 October 2017  
Bombay Exhibition Centre, Mumbai



woodworking shows and attracted a diverse selection of exhibitors from India and abroad, all focussed on creating new business opportunities. We believe MumbaiWood will witness participation from more than 10,000 participants and business visitors, and the event will succeed in generating a large number of business deals during its three days,” he added.

**Visitor interest**

At the end of June 2017, pre-registration of visitors reflected a 40% increase compared to the previous editions of the B2B industry show.

MumbaiWood is committed to delivering a targeted audience for its growing number of high profile international and regional exhibitors, guaranteeing a great return on their time and investment.

The trade show offers a platform to put technology and material providers in direct contact with manufacturers looking for innovative products, expertise, solutions, distribution networks or industry insights.

“Going by the growth of our woodworking shows (IndiaWood 2016 and DelhiWood 2017) in terms of participation and visitor turnout, we strongly believe that MumbaiWood is well on the way to transforming into a “must participate” exhibition for the industry, especially for the panel processing, fittings & components and kitchen and cabinetry segments,” SivaKumar said.

This year, MumbaiWood is marked by the participation of more than 250 exhibitors coming to display and share their latest machines, products, services, materials and expertise.

There is a mix of around 60 new exhibitors, as well as returning high-profile brands such as Homag, Biesse, Felder, Jai Industries, Umiya, Woodtech, Altendorf, Canadian Wood, Caple Industries, Aryaman Interiors, American Softwood, Woodver Coating, Dynasty Modular, Kangaroo, Neowood, amongst others.

**Social media**

Social media marketing is already having a profound effect on business in general, as well as in the exhibition industry. Going forward it will be one of the continuing underpinning technologies that will drive marketing and business.

“The growth if such social media platforms as Google, Facebook, Twitter and LinkedIn illustrate the acceptance of this type of

targeted communication and, more importantly, community building,” notes SivaKumar. “Each of these platforms embodies its own community with its own social structure.”

All of PDA Trade Fairs’ woodworking shows – IndiaWood, DelhiWood and MumbaiWood– are now being actively promoted on social media with a post reach on Facebook of more than 98,500 at the end of June 2017. Exhibitors can follow PDA Trade Fairs social media and post on its wall, telling buyers what they are exhibiting at MumbaiWood:

Social Media	Username
Facebook	@mumbaiwood2017
Twitter	@mumbaiwood2017
LinkedIn	Indiawood

**Marketing support**

About 83% of the most successful companies at events are the ones that spend time communicating with their prospects and customers before the show. As an exhibitor at MumbaiWood, you are offered a range of the most effective marketing options that will drive visitors to your stand, generate sales leads and maximise your returns on objective. Some of the most popular options include:

- Customised email signature: Spread the word with your personalised signature along with the MumbaiWood banner
- Visitor invitation: Invitations can be sent directly to your clients
- Email invitation: A customised invite with your company name and stand number
- Web banner: Customised web banner with your stand number on your website
- Social media: Post images of your products at MumbaiWood, or just inform your clients of your stand number.

To find out more, connect with Pradeep Kumar at [g.pradeep@pdatradeairs.com](mailto:g.pradeep@pdatradeairs.com)





1

# Upgrading the only road ahead!

*By Roy Thomas*

India has traditionally been known as a storehouse for skilled artisans, carpenters and masons. However, in the modern world of high-tech machinery and mass production, the country lags. What is obvious is that woodworking in India continues to be more of a family-run business or, at best, a cottage industry.

The Prime Minister's 'Make in India' mission is intended to bridge this gap and the Skill India undertaking is an initiative launched to empower the youth of the country with skill sets that make them more employable and productive in their work environment.

This heightened attention has raised the focus on the importance of building a vocational and technical training framework and skill up-gradation. It has brought awareness that there is a huge disconnect between the growing demand and the actual supply of skilled manpower.

Everyone is aware of the exponential growth in the demand for furniture; and there is apprehension that there will soon be an ever-widening mismatch between supply and demand.

From the woodworking industry, several

companies have jumped on the training bandwagon and have started initiatives for skills enhancement. Festool, a German company that manufactures high quality electrical and pneumatic tools, for instance, has both internal and external training modules that are directly linked to the Furniture & Fittings Skill Council (FFSC) programmes.

## **Bengaluru workshop**

The Bengaluru-based association of Women Entrepreneurs' Chambers and Association Network (WeCan) recently arranged, through the Indo-German Chamber of Commerce, a four-week visit by a senior Master Carpenter, Mr. Harald Sandner. His services were seconded to them by the Bonn-based SES, an organisation of senior experts in various sectors of business and crafts.

Harald has many years of experience and comprehensive knowledge of training, workshop organisation and production processes. He has successfully carried out numerous SES projects in different countries.

It was more of a fact-finding mission to assess and understand where India stands *vis-a-vis* its training requirements and to also hold short, demo-cum-workshops in basic carpentry.

**1** German Master Carpenter, Mr. Harald Sandner (left), demonstrating elementary joinery during the Bengaluru workshop in May.

Ripped Co-op, a LMF (labour managed firm) started by Bengaluru-based architect, Mr. Alok DSouza, seeks to bridge the gap between architects and builders by initiating a design and build workers co-operative. Here, architects and masons work together, building a team that will create a vibrant workplace as well as a highly productive and cohesive unit.

Starting with a 6-member team (1 architect and 5 masons/builders) as the core group, it has 10 apprentices (unskilled workers) who will be trained by the core group during the process of construction. They, then, could be inducted into the firm as members upon completion of the project.

The first such workshop was held in the last week of May, with the assistance of a for-profit organisation, Ripped Co-op, whose primary aim is to assist carpenters and masons to upgrade skills and work in a collaborative manner.

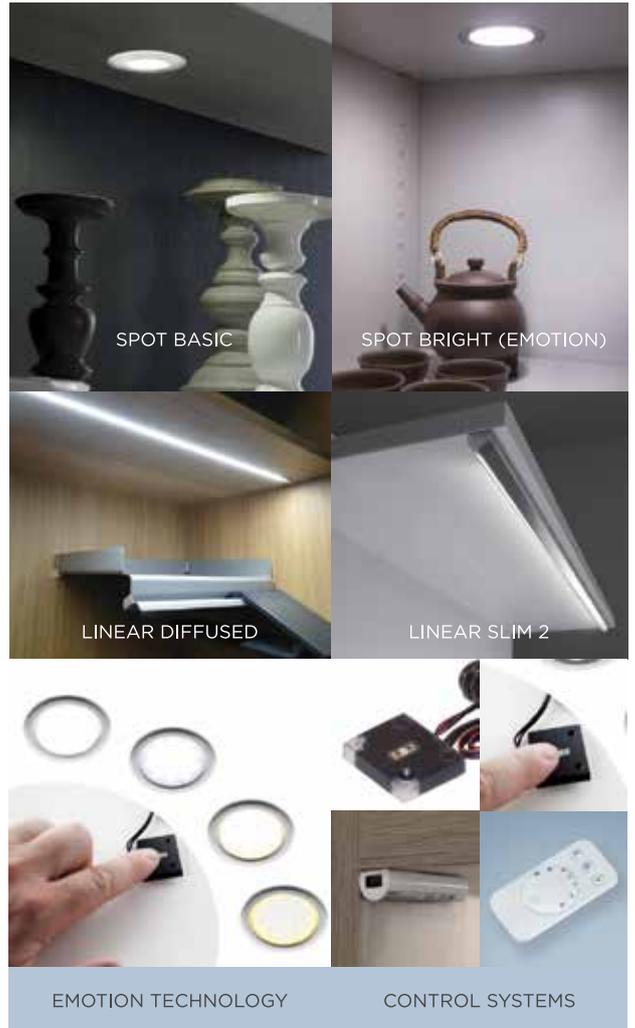
WeCan facilitated Harald's visits to the government-run Industrial Training Institute, the Institute of Wood Science and Technology run by the forest department, Fab Labs and outlets run by companies like Hettich and Haeefe, to understand ground reality.

"There are many pockets of excellence that carry out very good work but, by and large, the training standards and equipment in most of these centres are basic and need to be reworked and upgraded," noted Harald after three weeks of his visits to many educational facilities.

"The task is not impossible, but funds need to be pumped in to bring in the latest machinery and equipment. Instructors and staff need to be re-trained and oriented to ensure a change of mindset, and students need to be better motivated. They must realise that acquiring world-class skills will bring them well-paying jobs," he said.

This is only of many such visits and training workshops that are planned for the coming years that WeCan and Ripped Co-op hope will turn into a movement. One thing that everyone agrees on is that only planned, concerted and sustained efforts over time will produce the desired results.

## WITNESS YOUR FURNITURE IN AN ALL NEW LIGHT.



- Latest Emotion Technology enables smooth transition from cool to warm light.
- Low power consumption with up to 90% power saving.
- Virtually no heat emission and sustainable.
- Cycle tested for over 40,000 hours of working.
- Wide range to suit any furniture design.

+91 22 67837777

Toll Free: 18001201122

info@ebco.in

Now buy online at [shop.ebco.in](http://shop.ebco.in)



Pic courtesy: Centre for International Forestry Research.

# ISRO predicts huge forest cover loss by 2025

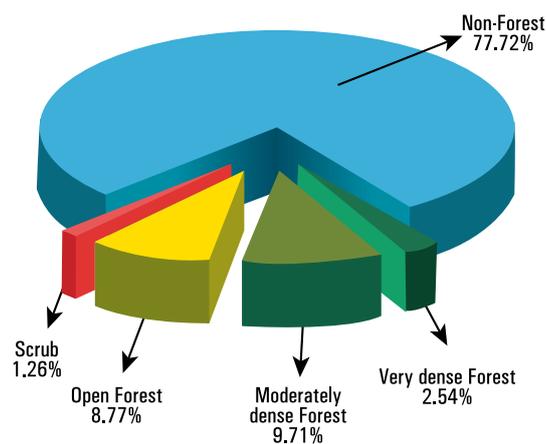
A staggering 2,305 square km of forest cover in North-East India and the Andaman & Nicobar Islands – slightly more than the size of Mauritius – could disappear by the year 2025, a simulation study by scientists at the Indian Space Research Organisation (ISRO) has predicted.

The overall predicted loss of forest cover by 2025 is estimated to be 2,305 km square km in the North-East and Andaman & Nicobar Islands. The modelling results predicted widespread deforestation in these areas and hence is likely to affect the remaining forests significantly before 2025, said the study carried out to simulate the forest cover changes in India using Land Change Modeller software.

Published in the *Journal of Earth System Science*, the study investigated the distribution of forest cover in India by reconstructing the previous forest cover and predicted the ever-continuing deforestation in selected parts of India with high deforestation rates.

The predicted forest cover in the year 1880 indicates an area of 10,42,008 square km, which represents 31.7% of the geographical

Forest Cover of India in 2007



area of India. It points out about 40% of the forest cover in India was lost during 1880-2013 (in around 133 years).

The ownership of majority of forest lands by non-governmental agencies and large-scale shifting cultivation are responsible for higher deforestation rates in the north-eastern states, the study noted.

“Previously, the six states of the North-East (Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura) and Union territory of Andaman & Nicobar Islands had shown rate of deforestation of more than 0.3% per year from 2005 to 2013, and has been considered in the present study for the prediction of future forest cover in 2025,” the authors reported.

The simulation scenario for the year 1880 showed a significant increase in forest area, whereas as a declining trend in the area was observed for 2025. – IANS



**Skill India**  
कौशल भारत - कुशल भारत



Panel Saws



Classical Machines



Tools for the toughest demands



Tools and Jigs



OneTIME Tool

Finance Available



प्रमाणपत्री कौशल विकास योजना

Apply for a Certificate & Skill Card!



Panel Processing Machines



Multi Boring Machines



Hot Press & Thermoforming



Simply better.

Woodworking Clamps



Software Solutions

# Self-adjusting toggle clamps from Bessey



The new toggle clamp adapter, STC-SET-T20, can be used together with the larger versions of the toggle clamps that have horizontal base plates and a bore hole in the centre of the base. These include the horizontal toggle clamps, STC-HH50 and STC-HH70, the vertical toggle clamp STC-VH50 and the push/pull clamp STC-IHH25.

With this, accessory manufacturers are able to take advantage of the numerous benefits of the toggle clamps on multifunction tables. They now can clamp work pieces of different thicknesses without adjusting the clamping screw manually and with practically the same clamping force.

The time saving is made possible by the infinitely variable clamping width of up to 35 mm on horizontal and vertical clamps, and up to 13 mm on a push/pull clamp.

The clamping force of the toggle clamps can be adjusted to a maximum force of 2500 N without the use of tools. When the clamp is used in conjunction with a flexible pressure plate with a removable protective cap, fragile materials, such as veneered or lacquered surfaces, can be clamped in a gentle manner.

All Bessey toggle clamps that are suitable for use on multifunction tables can be purchased together with an adapter, as a set.

1

Bessey's self-adjusting toggle clamps are known to be flexible and up to five times faster compared to conventional models. Now, the German clamping and cutting technology specialist has found a way to bring these benefits to the multifunction table.

1 *Bessey now offers a range of toggle clamps for multifunction tables.*

Thanks to a special adapter, it is now possible to use these toggle clamps on multifunction tables with 20-mm hole diameters such as the Festool MFT and the Sortimo WorkMo.

2 *The connector-adapter with the toggle clamp.*





# Ways to Extend Happiness



Visit Us : [www.maxondoors.com](http://www.maxondoors.com)

Write Us : [info@maxondoors.com](mailto:info@maxondoors.com)

Call Us : +91 98860 35208 / +91 88844 33280

**Distributor Enquiry Solicited** : Send your request to [enquiry@maxondoors.com](mailto:enquiry@maxondoors.com)

# 'Smart' wood-chip dryers from Instalmec

When it comes to efficiency of drying technologies for the wood-based panel industry, Instalmec of Italy has developed excellent solutions over the years, thanks to the fact that the company has been investing in innovation since 1979.

Focusing on designing better products, Instalmec has studied and manufactured an innovative combustion chamber, solving the problem of vitrification. The design of the combustion chamber allows the settling of higher quantities of silica at the bottom of the chamber, while an automatic system removes the silica, ensuring a continuous and optimum performance of the system.



**1** Instalmec recently supplied Kronospan a 60 tonnes per hour dryer in record time.

The automatic system for the removal of the silica is installed also in the separation chamber.

Instalmec recently supplied Kronospan, the world's leading manufacturer of wood-based panels, a 60 tonnes per hour dryer for particleboards, in a record eight months. In order to speed up manufacturing and assembly, the dryer was designed to be assembled on site, and many portions of the dryer were welded directly at the client's site.

The main rotating drum has a diameter of 7.4 metres and a length of 32 metres. The capacity of the burner is 45 MW. The main ventilator of the dryer has a capacity of 1,200 kW.

For such a big dryer normally a much powerful ventilator would be required, but Instalmec managed to install a less powerful ventilator which absorbs only 940 kW, resulting in considerable saving on energy.

**2** The heart of the dryer is its combustion chamber that solves the problem of vitrification.

After the dryer a battery of 6 LPD cyclones, patented by Instalmec, was installed. It is characterised by very high resistance to wear due to an innovative working concept developed by Instalmec, a low pressure drop, together with low energy consumption.

The main technological innovation of Instalmec's dryer is its revolutionary combustion chamber that solves the problem of vitrification, ensuring a longer life-span of

the plant. An automatic fresh air control system ensures that the temperature in the chamber is high enough for a good combustion, but not sufficiently high for melting the silica.



The entire system is monitored by temperature sensors which prevent the vitrification of silica, thanks to the fact that silica never reaches its melting temperature.

## Special design

The special design of the combustion chamber allows the settling of higher quantities of silica at the bottom of the chamber, while an automatic, continuous system for the extraction of the silica and unburnt particles in the combustion and in the separation chambers guarantees the continuous functioning of the plant. Therefore, it is no longer necessary to stop the plant for maintenance and cleaning operations.

Instalmec's combustion chamber is able to meet the emission standards set by environmental offices. Instalmec aims to keep the gas moisture close to saturation point in order to avoid the risk of fire. In addition, an ideal mixture of air-dust (with a specially designed injector) favours better combustion, with significant reduction of emissions into the atmosphere.

This "smart" system dries fine wood particles less than coarse particles; hence coarse particles will have a lower humidity with respect to fines. This innovation is particularly important during pressing of the panels, because it prevents the bursting of the panels due to different levels of humidity of wood particles during pressing.

*Instalmec Srl is a 40-year-old Italian giant in wood recycling and designing plants for particle board production, MDF and OSB panels. It is looking for representatives in India. Those interested may contact Ms. Sabrina Gitto (sgitto@instalmec.it), who heads International Sales for the company.*

# CenturyPly launches revolutionary VenLam



CenturyPly has been the front-runner in applying innovation at work. The largest seller of multi-use plywood and decorative veneers in India has entered into a new category by launching a one-of-its-kind product in the industry.

VenLam, is an innovative product that provides both, the aesthetic beauty of real wood and the comfort of working with high pressure laminates. As its name suggests, it is a combination of veneers and laminates.

VenLam is made by a technologically advanced process where decorative face veneer layers and layers of impregnated Kraft paper are fused together. There are 17 varieties of designs available with size of 8 feet x 4 feet in the thickness of 1mm.

A better surface finish because of calibrated surface (uniform thickness) results in superior finish after application of polish. VenLam allows applications in those areas where traditional veneers cannot be used. Laminates, along with VenLam, can be used side by side (which was not possible in case of traditional veneers as the thickness was 3.5mm/4mm as compared to 1-mm laminates).

Because of light weight it is easier to use in doors of kitchens, modular furniture and also while refurbishing antique furniture.

Traditionally on cupboards/ modular kitchens one side of the ply is 3.5-mm veneer and other

side is of 1mm laminates (mostly inside) which causes problem in balancing. With VenLam this issue gets resolved.

According to Mr. Keshav Bhajanka, Executive Director, CenturyPly: "We have been working on this product for close to two years. Now, after vigorous testing and countless trials, we are now completely confident of giving our customers a flawless product."

Century Plyboards has its manufacturing units in Kolkata, Chennai, Guwahati, Karnal, Kandla, Myanmar and Laos. It manufactures the entire range of commercial, marine, shuttering and decorative plywood, laminates, veneers, doors, MDF, pre-laminated boards and PVC sheets.

## Special Features

- It is a boiling-water-resistant product
- Conventional tools suitable for fabrication
- Normal adhesive for laminate suitable for application
- No nailing is required
- Confirms to E1 formaldehyde emission standard
- Termite and borer-resistant
- Less space required for storage
- Can be delivered/ shifted in roll form.

# World-class panel saws, edge banders from Jai

Jai Industries produce high-tech, heavy-duty machines specifically designed to suit Indian working conditions. Its panel saws can cut chip-free laminated chipboard and MDF, HDF panels, while the edge banders are mainly used for producing straight panels that give precise application of linear or straight edge banding and round cornering for materials like veneer, melamine, PVC or ABS.



## Manual panel saw J-3200.in Plus

The machine is used to cut panel boards of sizes 8x4ft or 9x6 ft sheet to the required measurement. The saw is built for maximum strength and rigidity with certain value-added features.

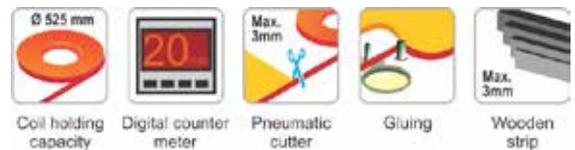
It has a heavy duty precision sliding table with linear bearing developed with advanced technology with multi-chamber system for maximum rigidity of the double roller carriage. The sliding table comes with a 5 year warranty.

### Salient Features

- Sturdily built heavy duty machine made to suit Indian working conditions. It provides a precise, burr free cutting
- Hand wheels at the front for more convenient lifting and tilting of the saw unit
- Scoring saw precision lever mechanism for manual adjustment controls of the scoring saw, with memory reference stop
- Electronic digital readout of saw unit tilt
- Anodized aluminum rip fence with sliding system on heavy round bar for parallel cutting of up to 1250mm. Fine setting mechanism allows for precise measurements for parallel cuts
- Allows for easy and fast changing of the saw scoring blades. The entire saw unit is on a heavy duty cast-iron trunnion
- Vertical movement of the saw unit on precise, round guides ensures smooth operation. Its closed structure guarantees

high rigidity and makes it a vibration free unit

- Scoring pin with memory reference stop for rapid re-position of the saw to a previous setting
- Extra second support for large sheets
- Rip fence with fine setting for precise positioning
- Indigenously made with best service support and economical spares



## Semi-auto curvilinear edge bander J-2000.in

This is the most efficient entry-level edge-bander that the panel industry can get in this category. It is designed to carry out all basic edge-banding work and has all Euro standard features like optimal and consistent glue-spreading, heat bonding and pneumatic edge-cutting.

### Salient Features

- Pneumatic cutting device for pre-defined length, with foot switch
- Electronic digital millimeter counter to adjust the length
- Double glue rollers in gluing device
- Easy regulation for two speed
- Revolving edge coil holder plate 525 mm, electronic digital temperature controller with safety circuit, which allows to start the motor only when the hot glue has reached the set temperature
- Working M.S. table with specially designed hylum strips for heat insulation & frictionless movement of workpiece



### Semi-auto curvilinear edge bander J-3000.in

This is an extremely flexible machine for application of PVC/ABS or veneer on straight or shaped panels. The thickness of banding material can be from 0.5mm to 3mm and the machine is designed to accommodate a panel of 10-60 mm in thickness.

The is a semi-automatic machine, wherein the pre-defined length of PVC/ABS to be glued to the laminate can be set for repetitive work piece, while the digital temperature controller and the speed regulator maintains the gluing temperature and feed rate of tap, respectively, to ensure an effective banding to the workpiece.

The machine has a specially designed hylum surface working table for heat insulation and side roller support at both ends, which helps in easy movement and feeding of workpiece on the table. The machine guarantees perfect gluing at all times and is versatile and suitable for use by small and large manufacturers.

The pneumatic cutting device can be set to actuate the pneumatic cutter to cut the band for a pre-defined length using an electronic counter. The glue in the glue pot, glue leveler, wiper, the extrusion screw and the heating element all make a bonding system.

A specially designed hylum surface working table can be tilted from 0 to 45° and has a unique "swivel bar roller system" for guiding and supporting the work piece.

#### Salient Features

- Electronic digital millimeter counter to adjust the length
- Electronic digital temperature controller with safety circuit, which allows starting the drive motor only when the hot glue has reached the set temperature

- Revolving edge coil holder plate 525 mm
- Double glue rollers in gluing device
- Easy regulation of variable speed



### Auto edge bander (radius trim) J-4300R.in

#### Salient Features

- Technological easy edge banding solution for entry level work
- Work piece infeed by special belt for smooth feeding. Belt made of special material, which guarantees sturdiness and stability. A synchronous tooth of the belt and pinion gives high traction and vibration free movement with optimal panel holding
- Automatic edge loading system for rolled edges with pneumatic shear for the coil cut
- Pneumatically operated, end-cutting unit has solid cutter to guarantee a clean, precision cut on the front and rear edges of the panel
- Compact and powerful high frequency motors guarantees best finish on top and bottom edges. Unit has copiers that are bearing-mounted to ensure smooth panel feed. Easy precision adjustment of trimming cutters by position indicators
- Easily accessible control panel positioned at machine infeed, for easy and quick operations
- Front telescopic support with roller conveyor for bigger work piece
- Easy adjustment of trimming and buffing unit
- Radius trim for chamfering of the panel corner done manually
- Low maintenance machine, easily available, cost effective spares along with best service support



**Auto edge bander J-4500.in**

**Salient Features**

- Sturdy built heavy-duty machine for entry level mass production work
- Robust feed chain and conveyor system with German gearbox (with long life synthetics lubricant) for effective pressure on panels
- High performance machine with feeding speed of 14 m/min that gives higher production
- No setting required to change thin to thick PVC edge band
- High frequency compact motors sliding on prismatic guide ways for perfect finishing with trouble-free performance
- Easy accessible, user friendly control panel positioned at machine in-feed for quick operations
- All electronic and pneumatic parts are from well known international brands
- Very easy to operate and nominal setting required during operation
- Low maintenance machine, easily available, cost effective spares, along with best service support

Innovative, pre-melting sensor operated glue tank having glue drop system to automatically maintain required glue levels. The glue spreading roller provides precise and consistent glue application without glue overheating and resultant wastage. This results in less than half the consumption of glue, compared to other edge banders.

Perfect adhesion to the applied edge with two pressure rollers actuated by pneumatic cylinders and gas spring. Heavy duty knife with pneumatic pressure cuts the edge banding materials of up to 50mm height & 3mm thickness.

Two independent, compact and powerful high frequency motors sliding on two prismatic guide ways with recirculation ball bearings guarantees best finish on the edge.

Trimmer 2R cutter for PVC/ABS gives perfect rounding on edge of straight panel.



**Auto Rebato'Mould J-1510 (A)**

Rebato'Mould (Auto) is a special design machine for rebating and moulding a door frame in a single operation. The machine comes with in-feed and out-feed side supports.

**Salient Features**

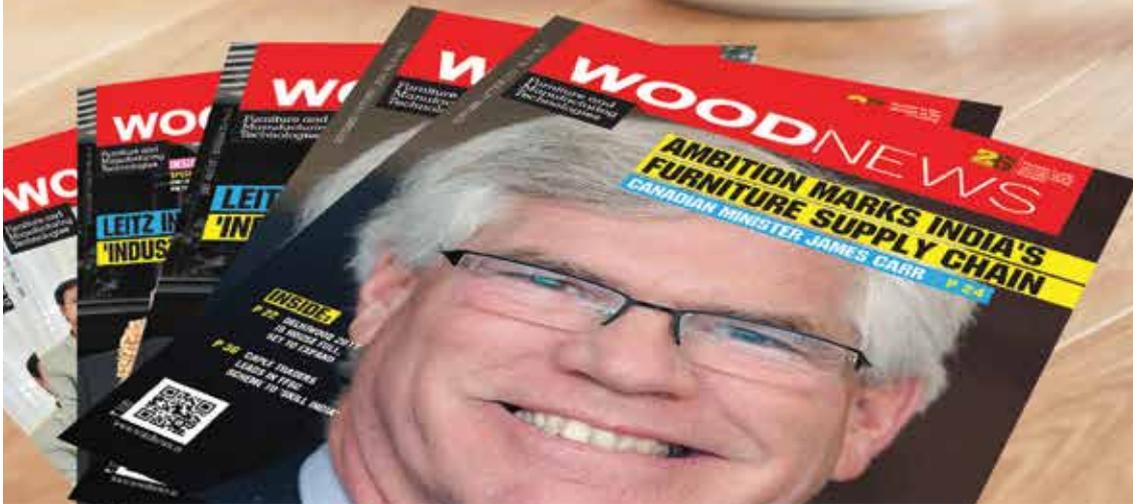
- Auto feeding for mass production with better accuracy and safety
- Reuse of wood increases profitability.



**HDHQ spindle moulder with sliding table**

This is a heavy-duty, high-quality, specially designed machine for mass production of solid wood doors and windows frames. Up to 10 HP, 3-phase capacity motor can be fitted (optional) for heavy work.

The widest read  
woodworking  
magazine in India!



Reach the  
**'Who's Who'**  
of the  
Woodworking Industry

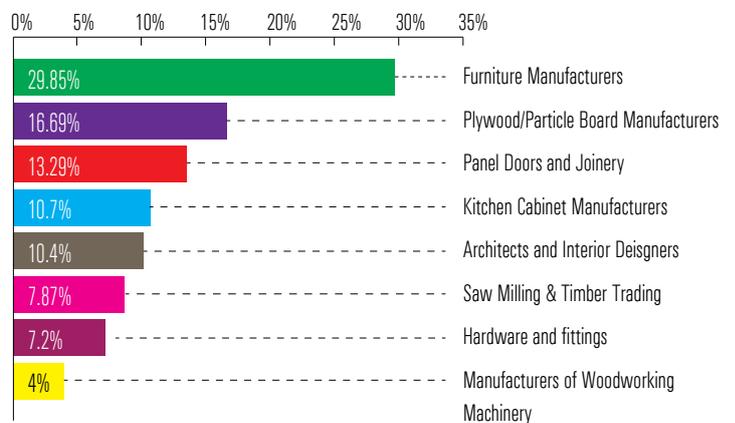
Read about the latest in Technology,  
Manufacturing, Processes, Best Business  
Practices & more.

Practical, Insightful and Trendsetting.

Be a part of the Woodnews community  
as reader or Advertiser.

Log on to: [www.woodnews.in](http://www.woodnews.in)

WoodNews Circulation  
Break Up 2017



Official Publication of:



# Cabineo for maximum functionality



Technical specifications	
Size	33.8 x 16.5 x 10.8 mm
Cutter	Ø 12 mm (1/2") or smaller
Drill	Ø 5 mm and Ø 15 mm
Material of connector	fibreglass reinforced plastic
Installation tolerance	longitudinal ± 0.1 mm
Tensile strength	~900 N ~90 kg

Lamello AG, the company that is synonymous with high-quality joining solutions, has introduced the Cabineo, a one-piece cabinet unit fitting touted as the connector of the future.

In comparison with the standard cam and dowel fitting, it offers greater production efficiency, faster installation and a higher clamping force. In addition, there is no need for wooden dowels.

Cabineo can be used with all kinds of CNC machines, including very simple 3- axes and nesting machines. The fitting is designed to use minimal resources for maximum functionality.

The Cabineo is installed into a drilled or routed shape. No edge drilling is necessary; the machining happens solely in the surface. This allows it to be used with all kinds of CNC machines, including the simple 3-axes and nesting machines.

The concept of the fitting was designed to use a minimal amount of resources for a maximum of functionality. The Cabineo offers considerable advantages including production, transport and installation. Installing the fitting into the work pieces and stacking them during the production process is possible without any protruding parts that could damage finished surfaces.

As the elements are already factory-installed, no handling of the loose fittings is required during installation. This speeds up the assembly and, additionally, helps in reducing possible mistakes.

The fitting is inserted into the routed shape on the surface. This can take place in production prior to transport or following transport at the final destination. The preinstalled screw inside the fitting is then screwed into the 5mm drill hole in the corresponding work piece.

Cabineo can be used for applications such as furniture, interiors, exhibitions, store fixtures and caravans.

*Cabineo is a one-piece cabinet unit fitting touted as the connector of the future.*

# Lessons in Lifestyle

Lifestyle Accessories India, the company that launched the very first double wall drawer for kitchens in 1996, is now launching CallistoBox Minima, a minimalistic, ultra-thin, 12.8-mm side thickness double-wall drawer.

It is ideal for kitchen as well as wardrobe, living room and bathroom applications.

The drawers have an elegant appearance and are easy to assemble as the bottom does not

require any extra machining with expensive special purpose machines.

They are available in four side heights, namely M-84-mm, K-116-mm, B-167-mm and D-199-mm.

CallistoBox Minima will be available in two finishes, silky white and graphite grey, and is equipped with a modern runner system. The weight capacity of the drawers is 40 kg and 65 kg.



1



2



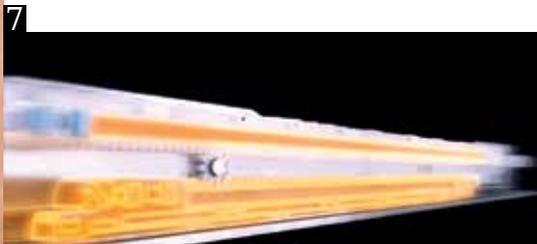
3



4



6



7

**1** CallistoBox Minima: size-M, silky white ultra-thin drawer, 500 mm, drawer height 84 mm, required minimum height 115 mm, side thickness only 12.8 mm.

**2** CallistoBox Minima: size-M, silky white ultra-thin drawer, 500 mm, drawer height 84 mm, required minimum height 115 mm, side thickness only 12.80 mm.

**3** CallistoBox Minima: size-B, silky white ultra-thin drawer, 500 mm, drawer height 167 mm, required minimum height 198 mm, side thickness only 12.80 mm.

**4** CallistoBox Minima: silky white ultra-thin drawer, 500 mm, drawer height 84 mm, required minimum height 115 mm, side thickness only 12.80 mm.

**6 7** Reliable runner with synchronized movement dedicated to the drawer system. Does not utilise runner designed for wooden drawers.



## Sauerland extrusion boards impress ASEAN market

Sauerland Spanplatte manufactures wood-based materials for use in modern interior doors. The extruded tubular or solid particle Sauerland boards meet the requirements for doors in residential and commercial buildings.

Approximately 1,00,000 doors are manufactured daily and exported to 78 countries using Sauerland material.

The company commenced the supply of infill and tubular filler boards to the ASEAN door industry in 2007 and, subsequently, the demand for its internal and main doors has grown exponentially.

Features of tubular infill and solid boards include:

- sound insulation for light weight as well as high-end construction
- When exposed to fire they provide a low rate of burning

- Density in solid areas is a minimum of 500 kg per cubic metre
- The “arch principle” gives it high impact resistance
- Thickness tolerance of +/-0.1mm removes telegraphing
- Beautiful surface finish and good bond between the skin and the board
- Lightweight, comfortable to handle and ensures high technical performance
- All products meets E1 norm for formaldehyde emission
- Tubular structure prevents warp under climatic variations
- All products are certified by PEFC and FSC
- Zero expansion compared to flat-pressed board or timber infill.

Recently, a 14-member door industry team from India, Indonesia and the Philippines visited the Sauerland plants in Germany to see, first hand, how these advanced doors are manufactured. They were guided by Mr. Nitin Vaze, CEO of Sleek Boards. They also visited Ligna as part of the tour.

*The international team of Sauerland Spanplatte along with visiting door manufacturers from the ASEAN region at Ligna 2017, in Hanover, Germany.*



## WOODNEWS

WoodNews thanks the various companies that have submitted information. For any editorial submissions, please contact Mr. Dhananjay Sardeshpande, Chief Editor, at dhananjay@pdatradingmedia.com. The information published in this, Notes and News, Indiawood Products section is as per the details furnished by the respective manufacturer / distributor. It does not reflect the views of WoodNews or of the management of PDA Trade Media.

# Wood filter removes toxic dye from water

Engineers at the University of Maryland have developed a new use for wood: to filter water. Mr. Liangbing Hu, a professor of materials science and a member of the University of Maryland's Energy Research Centre, and his colleagues added nanoparticles to wood, and then used it to filter toxic dyes from water.

The team started with a block of linden wood, which they then soaked in palladium, a metal used in cars' catalytic converters to remove pollutants from the exhaust. In this new filter, the palladium bonds to particles of dye.

The wood's natural channels, that once moved water and nutrients between the leaves and roots, now allow the water to flow past the nanoparticles for efficient removal of the toxic dye particles. The water, tinted with methylene blue, slowly drips through the wood and comes out clear.

The purpose of the study was to analyse wood via an engineering lens. The researchers did not compare the filter to other types of filters; rather, they wanted to prove that wood can be used to remove impurities.

"We are currently working on using a wood filter to remove heavy metals, such as lead and copper, from water," said Liangbing, "We are also interested in scaling up the technology for real industry applications."

"We found that the wood's channels are actually slightly bent, and they are connected by pores, which slightly increase the time that the water is in contact with the wood," noted Mr. Siddhartha Das, professor of mechanical engineering whose team helped study the flow of water through the wood.

The research, which was published in March 2017, in the journal *ACS Nano*, is the latest innovative use of wood by the UMD team. They previously made a battery and a super capacitor out of wood; a battery from a leaf; and made wood transparent and then used it for windows (See *WoodNews of Sept-Oct, 2016*).



## KEEPS YOUR FURNITURE FIT!

HIGH PRECISION FASTENERS FOR EVERY APPLICATION.



Pozi Recess CSK Head Chipboard Screw

Pozi Recess CSK Head Screw with Saw-Thread

SS304 Pozi Recess Head Chipboard Screw



Pozi Recess PAN Head Chipboard Screw

Phil Recess CSK Head Drill Screw

Phil Recess PAN Head Drill Screw



M6 Allen Socket Screw

M4 Handle Screw

- Ideal furniture fastener providing high pull-out resistance.
- Manufacture to international specifications and standards.
- Choice of diameters & lengths ensure proper selection for each application.
- Material: C-1022 steel heat treated case hardened or SS304 grade stainless steel.

+91 22 67837777

Toll Free: 18001201122

info@ebco.in

Now buy online at [shop.ebco.in](http://shop.ebco.in)



Simplifying lives.

# Jai's J-50T Cold Press Machine



Adequate maintenance is a crucial factor for longer life of the machine, and to obtain optimal working condition of the machine itself. All the maintenance operations must be done with the machine turned off and wear protective gloves.

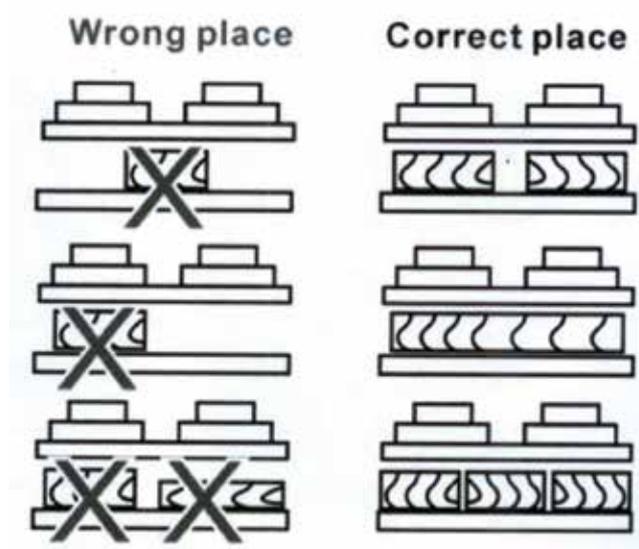
## Machine cleaning and maintenance

- The machine and working area must be kept clean from working scraps and anything that could hamper the working cycle or access to the machine itself.
- Make sure that no material not needed by the machine can gather on it preventing safe operation and causing danger to the operator during the normal working cycle.
- Regular cleaning of the machine and, in particular, the table and guides is an important safety factor, which can be an obstacle to correct machine movements and damage machine efficiency. Do not use detergents or lubricants.
- Make sure the machine is lubricated regularly.
- Check the electric system safety with the condition of the electric cables. Make sure there are no signs of wear, scrapes etc.
- Do not press work pieces that are too large or too small for the machine to handle.
- Check the clamping of the various mechanical components.
- Check the oil level in the tank weekly, and more top-up, if necessary.

Problems	Causes	Remedies
Machine switches off by itself during operation	-Power short circuit or tripping operation	-Remedy cause of phase failure.
	- Too hot to shut down the circuits	-Adjust the circuits and put the hot relays reset
Upper table is unbalanced	-Misplace between balance tooth of rack and lifting gear wheel	-Adjust its mesh.
	-The screw of oil pump is loose	-Tighten it.
Oil leak on any joint	-Loose	-Tight it with using PTFE tape
No effect on pressure	-Pressure valve or electromagnetic ball is damaged	-Change a fitting value
	-Oil circuit have leakage	-Check it.
Motor switch ON but press is not ON or loud noise from the oil pump.	- Oil pump	-Replace with a new pump.
Pressure Gauge goes into pressure too fast	-Hydraulic Control one way valve or Electromagnetic ball is damaged	-replace it.
Oil raw foam	-Inlet link leakage	-Tighten it or change it.
	-Liquid level too low	-Feed oil up to level.
	-Oil quality wrong	-Change oil.
Platen swings while lifting	-Trolley of the lifting position eccentric shaft bending	-Change the eccentric shaft.
No lifting of platen while pressing the button.	-The power is shut down	-Switch on.
	-Problem in power phase	-Check & correct it
	-Breaker not connected	-Connect it.
	-Thermal relay or contactor problem	-Check & replace it
	-Electromagnetic valve is damaged	- Check & replace it
	-Pressure gauge problem	-Check & replace it
	-Intermediate relay is damaged	- Check & replace it

**Placing the work piece**

The work piece should be evenly placed in the middle of two cylinders of similar thickness as shown in the diagram. Strictly avoid placing or pressing workpiece on surfaces with uneven thickness to avoid serious machine damage.



# 3<sup>rd</sup>

International Trade Fair  
for Furniture Production  
Technologies, Woodworking  
Machinery, Tools, Fittings,  
Accessories, Raw Materials  
and Products

# Mumbai WOOD

12–14 October 2017  
Bombay Exhibition Centre, Mumbai

## 2017 Preview

Over **250** exhibitors  
from 15 countries

Over **10,000**  
woodworking  
professionals

Over **8,000** sqmtrs  
of exhibition space

Over **50** media  
representatives

Seminars and  
Sourcing Forums



CRAFTED  
UNIQUELY

**50%** Exhibitor  
Space  
Sold Out

[www.mumbai-wood.com](http://www.mumbai-wood.com)



Supported & Endorsed by:



Media Partners:



E-media Partners:



FOR EXHIBITION ENQUIRIES, PLEASE CONTACT:

Pradeep Kumar G M: +91-99860 66910 E: [g.pradeep@pdatradeairs.com](mailto:g.pradeep@pdatradeairs.com) | Sindhu A S M: +91-88844 60153 E: [sindhu@pdatradeairs.com](mailto:sindhu@pdatradeairs.com)

Organised by:

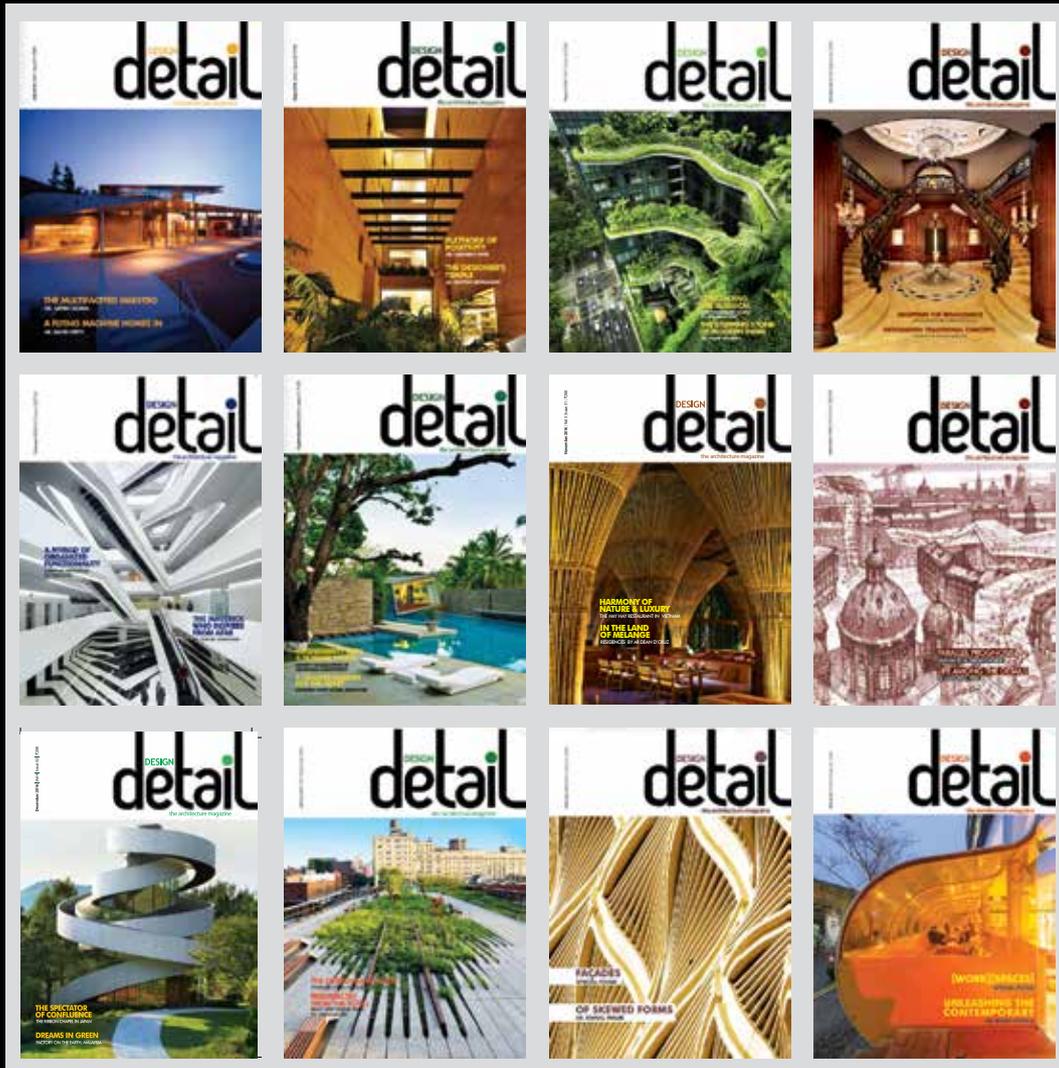


Principal Official Publication:

**WOODNEWS**

Official Publication:

**MODERN  
WOODWORK**



# CONNECTING ARCHITECTS

DESIGN  
**detail**  
 the architecture magazine

[www.design-detail.designerpublications.com](http://www.design-detail.designerpublications.com)

Vinayachandran KT : +91 9995686308  
 Rajesh V S : +91 8943359224

[vinayachandran@designerpublications.com](mailto:vinayachandran@designerpublications.com)  
[rajeshvs@designerpublications.com](mailto:rajeshvs@designerpublications.com)

## PAINT CONSULTANT

**Expert in UV Cure Coating Technology**

Set up Green-field Wood Finishing Plant  
Upgradation of existing plants / systems  
Simple Automations, Tailor made solutions  
Manpower Trainings, Spray-Booth systems guidance  
All types of Wood finishing - Doors/Furniture/Kitchens  
Hi Gloss Melamine Boards, Veneer Boards  
UV Cure & PU Combo Finish  
Spraybooth, Spray Gun systems guidance

**Deepak Chaudhari**  
Surface Coatings Technologist (1986)  
**Wood Finishing Consultant**

925, NeelKamal, Behind Deendyal Hospital,  
F. C Road, Pune 411004, India.  
Cell +91 9371025979, +91 9225539045  
[www.woodfinishingconsultants.com](http://www.woodfinishingconsultants.com)  
[woodfinishingconsultant@gmail.com](mailto:woodfinishingconsultant@gmail.com)

Simple Automation Ideas

## WOOD PUTTY

**Rich Fill**  
WOOD PUTTY

**India's Best, High Strength & Eco-Friendly Wood Putty**  
The Only Solution For Your Wood Filling

Crack Filler | Edge Filler | Grain Filler | Hole Filler | Knot Filler  
USEFUL FOR - Wood, Plywood, Block Board, Sculpture, Stonework, etc.

Manufactured by **Richwood**

Flat No. 9, Navodaya Regency, Hotgi Road, Solapur - 413003 Maharashtra, India.  
T: +91 217 2745586 • M: +91 94223 80160 • E: rich\_wood@rediffmail.com  
Website: [www.richfill.in](http://www.richfill.in) • [www.richwood.co.in](http://www.richwood.co.in)

## TOOLS

**MMT PLUS**  
**PEELING KNIVES & TCT SAW**

**MUKUND MACHINE TOOLS**  
Expert in Cutting Tools

147, Stadium Complex, Kannur-670 001, KERALA, T: 0497 2700966  
2760645, M: 9447283789 / E:kannurmukund@gmail.com

**BASCO TOOL PVT LTD**

P R Tiwari  
+91 9350 2910 88

Mfg & Service of Carbide Tools, TCT  
Saw blade for Wood, Plastic, UPVC,  
Aluminium, Steel, Ferrous & Non  
Ferrous Industries

Reg. Off A-66 HSIIDC SHED SECTOR 31, FARIDABAD, 121003 HARYANA  
Ph. +91 9910 27 6666, +91 129 4004 066, [bascotool@gmail.com](mailto:bascotool@gmail.com), [bascotool.in](http://bascotool.in)

Advertise here contact:  
Mr. Fabian  
Mob: +91 99160 92927  
E-mail: [marketing@pdatradedmedia.com](mailto:marketing@pdatradedmedia.com)  
[www.woodnews.in](http://www.woodnews.in)

## AWFS FAIR

19-22 July, 2017

Venue: Las Vegas Convention Centre, Las Vegas, USA

North America's largest woodworking show brings the industry together for a review of the developments and advances that are driving the market. Participants benefit from expanded show floor that features top suppliers and a variety of opportunities to network, learn and acquire relevant information.

[www.awfsfair.org](http://www.awfsfair.org)

## WOOD 2017

6-8 September, 2017

Venue: Jyvaskyla Pavilion, Jyvaskyla, Finland

Wood 2017 is the premier, woodworking three-day event in Finland. It showcases products like bio-energy raw materials and their manufacturing methods and equipment, fuel producers, etc.

[www.puumessut.fi](http://www.puumessut.fi)

## REPROLIGNUM

6-8 September, 2017

Venue: Arena Zagreb, Croatia

The event offers an opportunity to see demonstrations of leading machines manufacturers. It is also a place for consulting about latest technology, dialogue with experts, to get advice in the fields of tools application and better production efficiency, as well as processing of wood and panel materials.

[www.reproignum.drvo.hr](http://www.reproignum.drvo.hr)

## DREMA

12-15 September, 2017

Venue: MTP, Posen, Poland

Drema is the biggest business meeting of the wood and furniture industry in Central-Eastern Europe with over 21,000 professional visitors and 525 exhibitors. It has more than 23,000 square metres of exhibition area over seven halls. A comprehensive range of machinery and equipment for wood and furniture sector will be on display.

[www.drema.pl](http://www.drema.pl)

## CIFF 2017

11-14 September, 2017

Venue: National Exhibition & Convention Center, Shanghai, China

The 40th edition of the world's largest furniture exhibition and the most important business platform in Asia, will be held in Shanghai and will showcase leading brands of home furniture, home decor, home textiles, outdoor furniture, office furniture, furniture machinery and raw materials.

## FMC-China

12-15 September, 2017

Venue: Shanghai World Expo Exhibition & Convention Centre, China

The four-day exhibition attracts buyers and visitors from more than 158 countries. Upholstery machinery, hardware & fittings, fabric & leather, wood & panel, surface décor, coating, adhesive & chemicals, upholstery components and materials, furniture inspection & design, etc, will be showcased.

[www.furniture-china.cn](http://www.furniture-china.cn)

## FURNICA

12-15 September, 2017

Venue: Poznan International Fair Grounds, Poland

The four-day event will be attended by leading manufacturers, suppliers and distributors of components, materials and accessories that allow creating the most ambitious furniture collections. The trade fair is a place for establishing new contacts with industry professionals who are actively looking for the best technological solutions.

[www.furnica.pl](http://www.furnica.pl)

## BIFE-SIM

13-17 September, 2017

Venue: Romexpo Exhibition Centre, Bucharest, Romania

The exhibition presents the latest trends in the furniture, decoration, equipment and wood accessories industry. Furniture styles in the domestic and international market, from sturdy wood to combinations of wood, glass and leather will be on display. Furniture producers, importers and distributors will offer ingenious and practical solutions and new ways of organizing furniture.

[www.bife-sim.ro](http://www.bife-sim.ro)

## LISDEREVMASH

26-29 September, 2017

Venue: International Exhibition Centre, Kiev, Ukraine

The 16th international exhibition is the main event of the Ukraine woodworking industry. The latest equipment and materials for wood processing, furniture production, waste utilization, and production of wood bio-fuel and heat generators will be on display.

[www.lisderevmash.ua](http://www.lisderevmash.ua)

## IFMAC

27-30 September, 2017

Venue: Jakarta International Expo, Jakarta, Indonesia

IFMAC is positioned as Indonesia's premium trade exhibition that presents high-technology machinery, unique products and creative manufacturing methods for the furniture production market.

[www.ifmac.net](http://www.ifmac.net)

## WOODMAC

28-30 September, 2017

Venue: Jakarta International Expo, Jakarta, Indonesia

Woodmac stands as Indonesia's prime exhibition that introduces modern technology and equipment as well as top-grade tooling needs with focus on higher automation in woodworking processes

[www.ifmac.net](http://www.ifmac.net)

## “ GST and its pain points

The long anticipated roll-out of the Goods and Services Tax (GST) has turned the middle-class citizens' hope of making their houses into liveable homes a distant dream. While the government has liberally encouraged the housing sector with subsidies, tax breaks and concessional interest rates under the 'Housing for All 2022 Mission', it falls short when it comes to furniture by not recognising it as an essential part of housing.

This is the dilemma facing the common man and the furniture industry alike. Both the prospective home buyer and the industry are upset with the fact that beds, seating and cupboards are being classified as luxury goods under the GST and being placed in the highest tax bracket of 28%.

The Association of Furniture Manufacturer and Traders India (AFMT) is upset by the government's failure to view the housing and living sector holistically. While one sector falls in the negative taxes category the other invites the highest rate of taxation!

The furniture market in India is valued at approximately Rs. 90,000 crore, which is about 0.5% of the GDP. Given the buoyant economy and the focus on the housing sector, the AFMT has projected industry growth that is double the rate of growth of the Indian economy.

However, this vibrant growth cannot be sustained given the current state of the industry. Unorganised furniture manufacturing and trade constitutes an overwhelming 85% of the entire industry. The industry urgently needs a boost of capital and skills. But the proposed GST rate would further discourage the consumers and producers and dampen investor sentiment.

It is also feared that the GST rate, which appears to be on par with customs duty, will result in the market being flooded with imported goods. This will impede development and will deprive the furniture manufacturing work force of skills and opportunity.

Currently, China and ASEAN countries are seeing large investments by the world furniture manufacturing sector, and India is considered by them as the next biggest market. The skewed GST rates will, unwittingly, also result in the country becoming a large dumping ground.

AFMT is the national not-for-profit trade body formed with the sole objective of helping the organised trade fraternity. It welcomes the rollout of a 'One Nation, One Tax' concept and has supported the idea of a more accountable industry. But this must happen with fair and just level of taxation. Fairness and justice will also encourage compliance and ensure healthy growth of the industry.

– AFMT Secretariat, Mumbai ([info@afmt.in](mailto:info@afmt.in)).

”

# 10<sup>th</sup>

International Trade Fair  
for Furniture Production  
Technologies,  
Woodworking  
Machinery, Tools,  
Fittings, Accessories, Raw  
Materials and Products

## 8-12 MARCH 2018

Bangalore International  
Exhibition Centre  
Bangalore, India

# INDIA & WOOD

[www.indiawood.com](http://www.indiawood.com)

## BOOKINGS OPEN!

## Express Access to Business Opportunities

Supported &  
Endorsed by:



Media Partners:

99 BUILDERS' CHOICE

design  
detail  
the architecture magazine

Lakshya Udyog Darshan



Pioneer

PLY  
WORLD

E-media Partners:



woodZON

Organised by:



Member of:



Supported by:



**For exhibition enquiries, please contact:**

**Sivakumar V**

Mobile: +91-90369 00075 | E-mail: [shiva@pdatradeairs.com](mailto:shiva@pdatradeairs.com)

**Pradeep Kumar G**

Mobile: +91-99860 66910 | E-mail: [g.pradeep@pdatradeairs.com](mailto:g.pradeep@pdatradeairs.com)

Principal Official Publication:

**WOODNEWS**

Official Publication:

**MODERN  
WOODWORK**

PDA Trade Fairs, A division of Pradeep Deviah & Associates Pvt. Ltd.  
'PDA House', No. 32/2, Spencer Road, Frazer Town,  
Bangalore - 560 005, India. Tel.: +91-80-4250 5000,  
Fax: +91-80-2554 2258, E-mail: [indiawood@pdatradeairs.com](mailto:indiawood@pdatradeairs.com)

# COMPANIES IN THIS ISSUE

Company Name	Page Nos.	Page Nos.	Company Name	Page Nos.	Page Nos.	Company Name	Page Nos.	Page Nos.
<b>Machines &amp; Tools</b>			Woodmaster		51	Pidilite		14-15
Altendorf	26		Wood-Mizer	54		Rehau	78	
Leitz	46		Woodtech		IBC	Richwood		108
Barberan	30	37	Yow Chem		75	Rushil Decor	74	5
Basco Tools		108	<b>Materials &amp; Products</b>			Sauerland Spanplatte	102	61
Biesse	34	28 - 29	Alphacam		81	Sharp Ply		69
Caple Industrial Solutions		91	Bessey	92		Soni Polymers	80	71
Ceratzit	38		Cabinet Vision		47	Stylam Industries		
Combilit	40		Casetur	66		Surfacant		25
Falcon Pumps		71	Cedar Woods		83	Wood Finishing		108
Felder	42	9,73	Cefla	36		<b>Industry Services</b>		
Holytek		3	Centuryply	95		AHEC	60	
Holz-Her GmbH	52		Digital Design		107	FII-India		IFC
Homag India	10,44	13	Ebco		2,89,103	Gabon SEZ		31
JAI Industries	96, 104	32-33, 64-65	EVI Coatings		112	IndiaWood 2018	84	110
Joway		75	Hafele	70	23	Interzum 2017	62	
Kalyan Industries		55	Hettich	72	OBC	ISRO	90	
Mukund Machine Tools		108	Honicel		59	Ligna 2017	20	
Schelling Anlagenbau GmbH		111	ICA	74		Malaysian Timber Council		41
Shree Umriya		49	Jayaraj International		77	MumbaiWood 2017	86	95,106
Shreepal (AKE)	24	35	Jowat	82		University of Maryland	103	
Shreepal (BVC)		59	Kleiberit		79	WeCan	88	
Shreepal (FEMA)		81	Lamello AG	100				
Shreepal (JOWAT)		71	Lamigraf	76				
Shreepal (RIEPE)		47	Lifestyle Accessories India	101	67			
Siemplekamp		27	Maxon Doors		93			
Venjakob	50	39	Narsi Associates		1			
Weinig	52		Nivesa		45			
Wemhoner		19	Ormare	68	7			

Editorial Advertisement

Printed by V. Krishnamoorthy, published by Pradeep Devaiah on behalf of PDA Trade Media, printed at Repromen Offset Printers Pvt. Ltd., Plot 125A, Bommasandra Industrial Area, Anekal Taluk, Bangalore - 560 099 and published at 32/2 Spencer Road, Frazer Town, Bangalore, 560 005 Editor: Dhnanjay Sardeshpande.



The Schelling vs Board Storage System meets all of your needs.

Operator-free material storing with in-time commissioning and automatic feeding of cut-to-size saws and/or CNC-Nesting Machines. Smooth and efficient Rest-Part Handling. All that ensures highest cost savings and a fast return-of-investment.

Your contact in India: Bhat Dayanand  
Cell No. +91 990 051 52 10, email: dayanand.bhat@schelling.in

 **SCHELLING**  
SCHELLING.COM

# EVVI<sup>®</sup>

VERNICI  
PAINTS & COATING SOLUTIONS

## Italian WOOD FINISHES & GLASS PAINTS

### Product Range:

- UV by Roller / UV Dual Cure by Spray
- Acrylic
- Polyurethane (Solvent base / Water base)
- Polyester (Horizontal / Vertical)
- Polyacrylic
- Water Borne for Interior / Exterior
- Wood Preservatives
- Fire Retardant Polyurethane
- Polyacrylic / Polyurethane for Parquet
- Special Effects for Wood (Crackle, Marble, Hammer, Sparkle Pearl & etc.)
- LEED Certified Low VOC Polyurethane
- Wood Stains
- Wood Fillers
- Nitrocellulose
- Solvents / Thinners
- Water base Liquid Masking Film
- Glass Paints (Solvent Base / Water Base)



we make the *difference*



Sole Distributor in India:  
Indocem India Pvt. Ltd  
Indocem House, #327/5, Mysore Road,  
Next to BHEL, Bangalore:560039  
Karnataka State, India  
Tel: +91 962 020 9020  
Email: ketan@indocem.com

Distributor for Delhi, Kolkata  
& North India enquiries are Solicited

Branches:  
Mumbai: +91 9620209020  
Ahmedabad: +91 9377512208  
Goa: +91 9158187575  
Coimbatore: +91 9620209002  
Hyderabad: +91 08498057108  
Surat: +91 7698000888

Visit  
Our Demo Centre  
in Bengaluru  
and Pune

# WOODTECH

GIVING NEW DIMENSIONS TO WOOD

Visit Our  
Largest Demo Centre  
more than 34 machines on  
live demo @ Bangalore.



Newly launched  
Automatic Panel Saw



PANEL PROCESSING  
MACHINERY: VALUE  
FOR MONEY PRODUCTS  
FOR ASSURED PROFITS

WIDE CHOICE  
ON THE RIGHT  
MACHINERY

BEST PRODUCT  
WITH OPTIMUM  
QUALITY AND  
COMPETITIVE PRICE

OVER 8000 INSTALLATIONS  
OF MACHINERY IN BOTH  
SOLID WOOD AND PANEL  
PROCESSING SECTORS

OUR SERVICE CENTERS  
IN CHENNAI, INDORE,  
MUMBAI, NEW DELHI  
AND JAIPUR, JODHPUR,  
HYDERABAD, KERALA

Product Range:

Machinery for Solid and Panel Processing / Design / Maintenance /  
Projects / Consultancy / Finishing Lines / KILNS / Spares / Service

**HOLYTEK**  
INDIA

**COSTA**  
SISTEMATIC

**YOW CHERNG**  
Machinery Co., Ltd.

**MANDI**  
ANDRESEN GROUP

**GRIGGIO**  
WOODWORKING MACHINERY

**INTOREX**

**Balestrini**

**POWERMAX**  
MACHINERY CO.

**freud**

**INNOVATOR**  
INNOVATOR MACHINERY CO., LTD.

**CHAMP  
FOND**

**Excellent**  
WOODWORKING MACHINERY

**LMG**  
LEADERMAC

**ARTIGLIO**

**RIBEX**  
VACUUM TECHNOLOGY

**BARBERAN**

**ALTENDORF**

**WOODTECH CONSULTANTS PVT. LTD.**

#31/2, Nadakerappa Industrial Estate, Andrahalli Main Road, Near Peenya II Stage, Vishwaneedam Post,  
Bangalore - 560 091. Tel: +91-80-2836 4584/85, Fax: +91-80-2836-1166, Email: info@woodtech.in

Send your valued enquiries to: [info@woodtech.in](mailto:info@woodtech.in) Also visit us on [www.woodtech.in](http://www.woodtech.in)



**MRP**  
**₹ 449\***  
\*500 mm,  
45 kg KA 5632

# German Quality, Indian Price.

## Best Telescopic Runners for your drawers

- Weight carrying capacity: True 45 kg
- Widest Choice – including colour (Black/ Zinc), push-to-open/ silent variants, and higher weight capacity range (60/ 90/ 136 kgs)

[www.hettich.com](http://www.hettich.com)

Toll Free No. – 1800 209 2096 (office hours)



Master Catalogue



Installation



Buy Products Online



Technik für Möbel

