



journal **furniture**

may 2013

**Kronospan: to touch it
is to believe it**

**ZOW Bad Salzuflen
Review**

**Interzum & Ligna
Previews**

**Interview: Duncan
Such on edging shapes**

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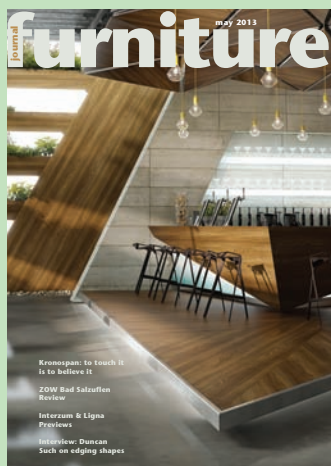
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cover photo

From Kronospan: "The first embossed-in-register board, where the grain precisely matches the surface finish." The authentic look and feel of real timber is now accessible on almost any project.

More information on p15.

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A new boiler from Wood Waste Technology makes its debut.

IBC MACHINE SHOP

Machines and installations.

FIRA has welcomed a new Standards and Regulatory Manager to their team. Tristine Hargreaves has joined FIRA's team of experts in technical standards for the furniture industry, representing FIRA at BSI technical committee level. Tristine worked in the manufacturing sector for 11 years and, more recently, 7 years in retail, giving her a wealth of experience of the furniture industry. She will represent the industry at Standards Committees in the UK and throughout Europe.

For more details about FIRA, the UK's leading furniture technology centre, or their consultants visit www.fira.co.uk



SCHATTDECOR + PALIS = INDUSTRIAL DIGITAL PRINTER

Schattdecor, the décor paper printer, has teamed up with Palis (Padaluma Inkjet-Solutions GmbH), a digital print specialist, in an exclusive development partnership. For the next 2 years, the companies are putting a new type of high-performance single-pass digital printer with a 225cm print width into operation. Printing from roll to roll, the unit will have a working speed of 75-150m/min and be capable of efficient and economic short run work. Décor base paper will be used with pigments identical to those used in rotogravure printing.

The Palis 750 unit has already shown that single-pass inkjet printers are ideal for the industrial scale use in the décor industry and the product series is to be expanded with the new Palis 2250.

Schattdecor has had a strong commitment to digital print décors since 2009 and provided each of its worldwide plants with 160cm-wide digital press in 2011. Last year it took a 2m-wide multi-pass digital printer into operation and the exclusive partnership with Palis shows Schattdecor is keen to push the progress of inkjet technology.

business news

'PAT ON THE BACK' FOR THE TIMBER INDUSTRY

The government has won the applause of the British Woodworking Federation (BWF) after it was announced that a ban on wood waste to landfill was not to be introduced. After a Defra's Call for Evidence last year revealed that the volume of material ending up in landfill was smaller than initially thought, has been declining steadily since 2009 and looks to continue, the decision was made that at the present time a ban would create an additional burden for businesses. BWF and the Timber Trade Federation (TTF) highlighted the work of the Timber Resource Efficiency Partnership towards the goal of reducing the total amount of waste produced by the timber sector. On the whole, BWF members are generally supportive of a landfill ban, with most indicating that they found a sustainable use for much of their wood waste. Defra will continue to monitor the situation.



PINK POWER

Barry Smart, Makita's National Sales Manager, expressed his thanks to everyone in the construction and woodworking industry for their support with the company's fund-raising efforts for the Breast Cancer Care charity. Introduced as part of the celebrations to mark Makita's 40th year in the UK power tool market, the promotion officially concluded at the end of March. The fundraising campaign has raised over £65,000 for the charity through sales of the Pink Drill and other activities and Makita is proud to have been involved.

Fundraising activities included:

- The Pink Drill: £5 per unit sold was donated to Breast Cancer Care.
- Reader competitions used the Pink Drill as Makita-donated prizes.
- Tommy Walsh stepped in front of the cameras to boost recognition.
- Makita dealers have run Pink Days in their outlets - complete with pink hair.
- One Makita employee cycled all the way to Paris.



The Pink Drill is a special version of the "blue" 10.8V drill driver with 18 settings and 2-speed operation. It comes complete with hard carry case, charger, battery cell, holster and 7-piece drill set. For more information and news, visit www.makitauk.com

BASF ON SHOW

BASF presented its broad portfolio of state-of-the-art products for furniture and flooring coatings at the European Coatings Show 2013 in Germany.

BASF is tackling the technical requirements of modern wood coatings as demand is shifting from solvent to water-based coatings without compromising product properties. In the furniture and flooring industry, coatings are used to protect and provide visual effects for wood-based furniture around the house as well as many different types of flooring.

For instance, the Laromer UA 9095, BASF's latest addition to water-based UV-curable dispersions, is ideal as a primer or topcoat on furniture and flooring. It has high transparency and good grain enhancement and can increase the vibrancy of the natural wood colours. With good abrasion resistance, high chemical resistance Laromer UA 9095 is compatible with many dyes and is a perfect binder for UV curable stains.

www.basf.com



looking forward to ligna 2013

Deutsche Messe is expecting up to 90,000 visitors to attend this year's Ligna, scheduled for the slightly earlier than usual date of the second week of May. As usual, it promises to be an extensive event covering all branches of the forestry and wood industries.

The organisers advise that, due to the vast area covered by the fairground in Hannover and the huge number of halls, displays and demonstrations to visit, anyone wanting to get a first-hand impression of all the key trends and developments in their field of expertise should start planning their Ligna visit now. A comprehensive offering of useful tips and information has been published on the web and is

available on www.ligna.de

Should you prefer, you can also use the smartphone app LIGNA2go, a mobile trade fair guide complete with an interactive map of the exhibition halls. With LIGNA2go, the organisers claim you can use your mobile phone to locate exhibitors, products and events - and to create your own personal meeting schedules. The app can be downloaded free of charge at www.ligna2go.de or the Apple App Store.

With so many of the world's woodworking and panel processing machinery manufacturers present, along with many materials suppliers, Ligna 2013 promises to be an unmissable event. It's good advice to plan early if you don't want to miss anything!







Traditional castors and handles (right) are combined in the Armac-Martin collection with elegant new models such as Snowdrift, a solid brass collection of three pull handles from 107mm to 280mm and a unique 45mm x 26mm knob, above right.



top brass

Traditional meets modern face to face in a heady mix of state-of-the-art technology and time-honoured skills at decorative hardware specialists, Armac Martin. Nestling in the very heart of Birmingham, once the epicentre of Britain's burgeoning brass industry, Armac Martin has quite literally forged a reputation for designing and making supreme quality brass handles, hinges, locks, escutcheons, castors, cabinet stays, engraved name plates and more. From start to finish, raw metal to polished work of art, every aspect is manufactured in Britain by its 50-strong workforce. And so authentic are some of Armac Martin's designs that many have provenance.

The forges may have been sold decades ago but brass-working skills that have been handed down through generations are still employed in the

crafting of Armac Martin products which grace the furniture of some of Britain's finest makers of copy antiques.

But Armac Martin's story is about much more than traditional design. Managing Director, Mark McGrail explains: "A major rebranding two years ago enabled us to pull together the strengths of Armac Manufacturing in antique and reproduction fittings with the more contemporary interior fittings of Martin & Co. We have a vast library of patterns. Factor in all the different sizes and finishes and we have thousands of parts. We have a catalogue - a new catalogue is due out later this year - but Armac Martin is a manufacturing company. We can work from drawings, photographs or sketches to manufacture bespoke designs for customers. Because we

Supreme quality and excellent service are the hallmarks of Armac Martin, a company that's forged a name for itself in brass hardware for the discerning.



Traditional skills, such as brazing, casting, plating and pressing, are complemented by the latest CNC milling and turning equipment as well as CAD-CAM design and prototyping in 3D.



manufacture, we have the flexibility to do small runs of a dozen up to full production runs."

In addition to hot stamping, pressure diecasting, gravity and sand casting, lost wax and fine casting, chrome and nickel electro plating, brazing, pressing and polishing - all the traditional skills of brass forging - Armac Martin's factory is equipped with CNC engineering for turning and milling as well as laser engraving equipment to personalise plaques with brand names and logos for total exclusivity. The company's designers work with up-to-the-minute Solidworks CAD systems that enable 3D models to be created, often within a few days of receiving a sketch. "We can take a design from concept to model in a couple of days," confirms Richard, whose family has owned Armac since his Great Grandfather established the company back in 1929. "Stamping might take three to four months but if it's a CNC piece that's required, we can usually make it within a couple of days."

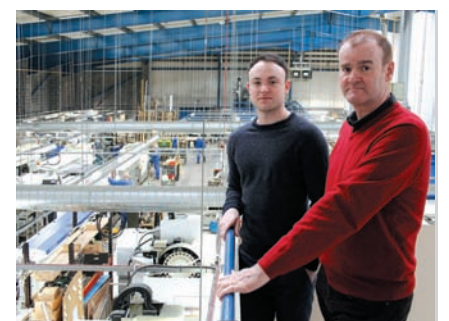
One-off replacement parts in tens or twenties are as much a part of Armac Martin's success story as the one hundred to one thousand batches the company produces most of. But, if your requirement is for ten thousand, it's not a number that will phase the

engineers, or challenge the company's production capability.

In recent times, Armac Martin has developed many exclusive items for kitchen furniture manufacturers both in the UK and in the USA. It has partnered high end lighting companies. It has worked with specialist boat builders, provided components for cooker and range manufacturers. And it has assisted English Heritage on restoration projects. Visiting furniture designers delight at the opportunity to browse the countless boxes of handles, plates, rings, drops and escutcheons on their way to realising a unique design for prototyping. And, uniquely, it's all part of the Armac Martin service.

To find out more call 0121 359 2111 or visit www.armacmartin.co.uk

Below: Keeping Armac Martin a family business - MD, Mark McGrail, with nephew, Richard.



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manufacture and design



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shrewd launches

It was never going to be as big as in the years without an Interzum but several exhibitors had turned that to their advantage at ZOW 2013.

2013 was never destined to find a place among the truly great ZOW years. Despite the immeasurably better timing of ZOW at the beginning of the year, the sheer size of Interzum dominates the odd years, persuading the décor and printing giants (and most of the big names in hardware) to hold off showing new designs until May. But not all followed the trend. The Hornschuch stand - which was awash with visitors poring over the latest designs - proved beyond a shadow of doubt that buyers still want new product early in the year. Launching all its new product at ZOW with few competitors to steal its thunder rather than waiting until May could prove to be a very shrewd move for Hornschuch. The impending turmoil that some are predicting from the lack of an overlap between this year's Interzum and Ligna may yet see a drop in visitors to the May shows, as many of those who traditionally visit both could find the prospect of two dead days between the events difficult to justify.

Hornschuch was not alone in its thinking. Senoplast also used the occasion to launch new product and many of the edgebanding specialists saw ZOW as the ideal opportunity to announce new products and team-ups with major laminate and board producers. On the Ostermann stand, big news was its alignment to Pfeleiderer with absolute matches proudly on show at the entrance to its stand. MKT announced more new designs than I can ever recall seeing in one show from an edgebanding manufacturer - and its Alphatape Flexible could be the answer to the prayers of handleless door manufacturers who want a product that works inside routed profile handles.

The trend towards handleless doors must have had many a handle manufacturer quaking in his boots. Not Furnipart. Take a look at Maui, a graceful handle from Furnipart that captures the very essence of the handleless trend but adds a stylish twist to put beautiful hardware centre stage in the most stylish of modern designs.



Hornschuch used ZOW as its launch pad for countless new designs - and the stand buzzed with visitors.

Right: Ja-De is a name you probably don't know. A manufacturer of custom-made wood components to suit your needs, Ja-De makes solid wood chair parts, beds, curved or bespoke kitchen doors and show wood elements for upholstered furniture to your designs on a 2-3 week turnaround. The company is well equipped with 5-axis CNC and veneer pressing equipment. "We work mostly for smaller, specialised companies," says owner, Claudia Volker. "We would be happy to work for UK clients." For details call Claudia on +49 5250 8686.

Below: The global adhesives specialist, Jowat, used ZOW 2013 as a platform to highlight the performance of its Jowacoll® dispersions, Jowat-Toptherm® and Jowatherm-Reaktant® hotmelt adhesives. Jowat claims these products add extra functionality, such as reduced flammability, a better gloss, improved surface hardness and sustainability. Adhesives from the Jowacoll® range are ideal for the manufacture of flame-resisting doors while Jowatherm-Reaktant® hot melt (the colourless, transparent, crosslinking version) is designed to enhance the gloss level of gloss finished products. Jowat-Toptherm® is ideally suited to applications which require enhanced impact resistance. For more information call Jowat UK on 01782 565265.



Maui from Furnipart captures the very essence of the handleless trend. Call LDL on 0845 123 2288.



at zow 2013

Full marks also to Union Knopf for their rugged "Raw" collection. As a major supplier to the fashionistas of the apparel industry - an industry from which trends tend to filter down - Union Knopf usually has a pretty good insight into what's coming up next in fashionable circles and roughly-crafted designs are certainly enjoying a renaissance at the moment.

I have to say, I do enjoy heavy-weight texture - which is why I cannot resist a chance to grab some dramatic photography on the VD Werkstätten stand. Texture does not get much more heavyweight than on VDW's mighty pressed décor panels and there were several new designs making their debuts at ZOW. Take a look at Blocks, Brickwood and Blockwood. They are just fabulous for architectural use, or for dramatic effect in hotel reception areas.

ZOW 2013 seemed to be a statement year for the glass industry. As far as I can recall, never have there been quite so many producers of decorative glass and mirrors showing laser etched,

printed, painted - and otherwise decorated glass and mirror products. The message from Polish glass specialist Fischmet was send us a picture and we'll send you glass panels for wardrobe doors, kitchen doors, bathroom cabinets - whatever you need. I'm not wild about the idea of having giant carrots emblazoned on my kitchen cabinet doors and the two-metre orchids on the stand seemed overkill but, with a little more subtlety in the interpretation, imaginative manufacturers might well find a way to add value and profit to products for the UK market by using printed or etched glass.

In all, ZOW 2013 presented 402 exhibitors from 27 countries, including 60 first-time exhibitors from 15 different countries. At around 24,000m² and without Hall 19, it was a smaller than usual show but provisional figures show that around 11,800 visitors came over the four days - a third from outside Germany. Most exhibitors we talked to were content with results - and that in itself made for a good start to 2013.



Above and right: The company, Fischmet, was one of several to show decorated glass - and size seemed to be no object! For details visit www.fischmet-design.de





Left: Among many new products making their debuts on the Ostermann stand, news of a 'best match' partnership with Pfeleiderer came top of the list. Ostermann says if you buy Pfeleiderer, they have the perfect edgeband. Call 01905 793550.



This picture and right: MKT, the German edgebanding specialist, launched a plethora of new products on the stand. Alphatape Flexible (right) could be the answer to handleless doors and was new for the show. However, despite the launch of many brand new metallics, shiny décors, duo-edges and linen look edging tapes, one of our favourites is this matt-gloss effect from the Excellent range. The photo doesn't do it justice! Find out more from MKT on 0049 3624 3692 40.



Furniture Journal
Star Product

Take a close look at Senoplast's Hardcoat - the crowning glory of the scratch resistant high gloss market. Made by co-extruding 2mm acrylic sheet with a coloured ABS on the rear, it represents a massive investment for Senoplast. More information, call Richard Cooper on 01952 243999.

Right: The Schwinn stand was awash with new handle designs, some rustic, some much more contemporary.

This was one of our favourites. For details call 0049 6154 63450.





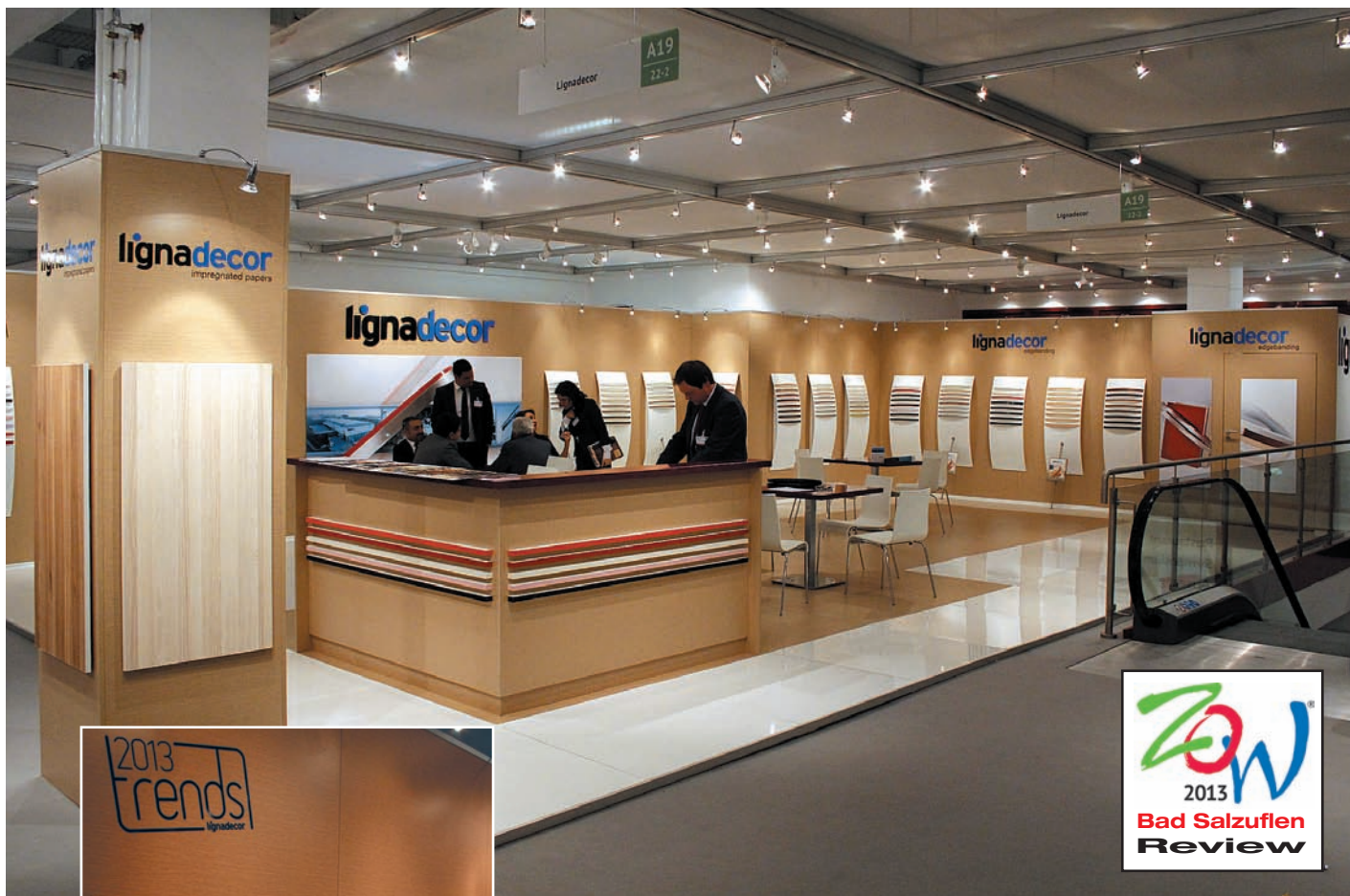
**Furniture Journal
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Right and below:
Textureholics will love these
beautifully made rustic
handles from Union
Knopf's Raw Level
collection. But for
something completely
different, how about a
splash of colour (above)?
Call 0049 5205 12175.



Left and above: The ultimate texture - VD Werkstätten's amazing new "Rocks" (left) is available as a high gloss veneer panel, 21mm thick, 3010 x 1300mm. For something more geometric, "Brickwood" (above) was also making its debut on the stand. Although still a prototype, it's planned to produce 3010 x 1300mm panels and, for those who want more high tech, there's a black and a grey option. Call James Latham on 01442 849000.





lignadecor enters UK

The smiles on the Lignadecor stand said it all really: Lignadecor's Export Area Manager, Alber Atat, had just signed a deal with Steve Willis, who will take the reins as the Turkish edgebanding manufacturer's new agent in the UK.

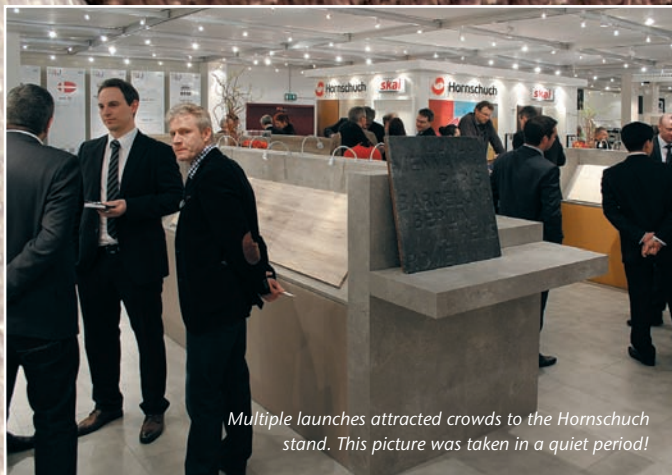
Based in Istanbul, with around 350 employees, Lignadecor offers a range of melamine, PP, ABS and PVC edgebands as well as impregnated papers. "We are exporting to more than 40 countries and exports account for 55% of our total sales," confirms Alber. "We are a volume edgebanding supplier," he continues. "We have a large range of products but most of our work is developing the décors our customers need. We are able to offer 3-4 week lead times on all specially-developed products. We have 160 colour matches in stock at the mo-

ment from around 270 décors, including specials."

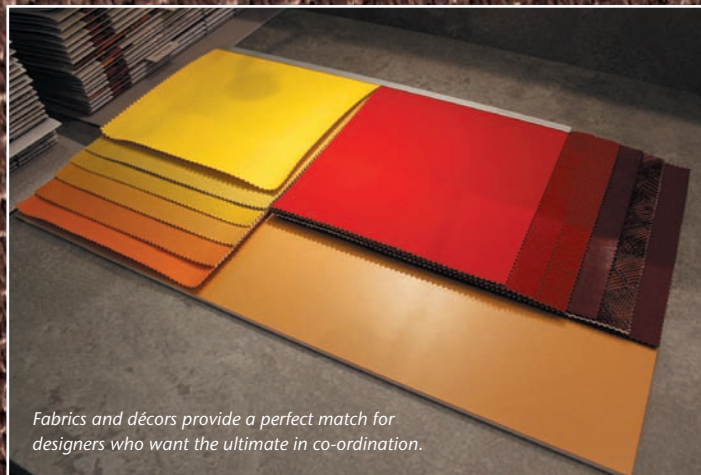
New on the stand were on-trend twin colour duo edges (below left) and PP edgebands along with exceptional gloss décors. "Our DOI level is the best in the industry," says Alber. To check it out, call Steve Willis on 07803 875 527 or visit the website www.lignadecor.com

Alber Atat, left, with Steve Willis on the ZOW stand.





Multiple launches attracted crowds to the Hornschuch stand. This picture was taken in a quiet period!



Fabrics and décors provide a perfect match for designers who want the ultimate in co-ordination.



Hornschuch shrewdly chose ZOW in preference to Interzum as its launchpad for new designs - and found itself in the spotlight with few competitors.



The new Tosca Collection - on-trend fantasy designs with co-ordinated options.



Sanremo: rustic, deep-grained and in seven colours.

major launches at hornschuch

Visitors to the Hornschuch stand were treated to a collection which includes both award-winning special purpose fabrics and perfectly matching décors - the very latest designs shown at an advantageously early timepoint in the year. With few competitors to steal its thunder, Hornschuch delighted visitors with new metallic colours in its skai® Sorisma EN fabric (background) and matching films.

Rustic lovers will enjoy the new Sanremo Oak with natural Legno embossing, which enhances the ruggedness of this décor. But if rustic is your thing, don't miss Barrique Oak with its glazed effect reminiscent of limed finishes. The white pore structure provides an alternative to other white décor options.

Contrasting with Sanremo, Yukon is a simple, timeless woodgrain with finer structure which is accentuated by slight discolourations. Yukon is more a collection of the best elements of several timbers, themed to

the current trends, than a specific timber. It's very effective, nonetheless.

New in fantasy designs was the unashamedly retro Tosca, available in Sahara, Mocca and Stone Grey.

For something completely different, take a look at skai® Colore Magic. This plain film, with subtle iridescent metallic effects is a high-tech offer with an exciting planished look which provides metallic options in bronze, copper and steel. It's not difficult to imagine it combined with skai® Sorisma EN to fabulous effect.

Also new were ten colours to the skai® Colore Classico embossed uni-colours collection. Ecu, Truffle Grey, Cashmere, Coral Red and Curry are especially on trend.

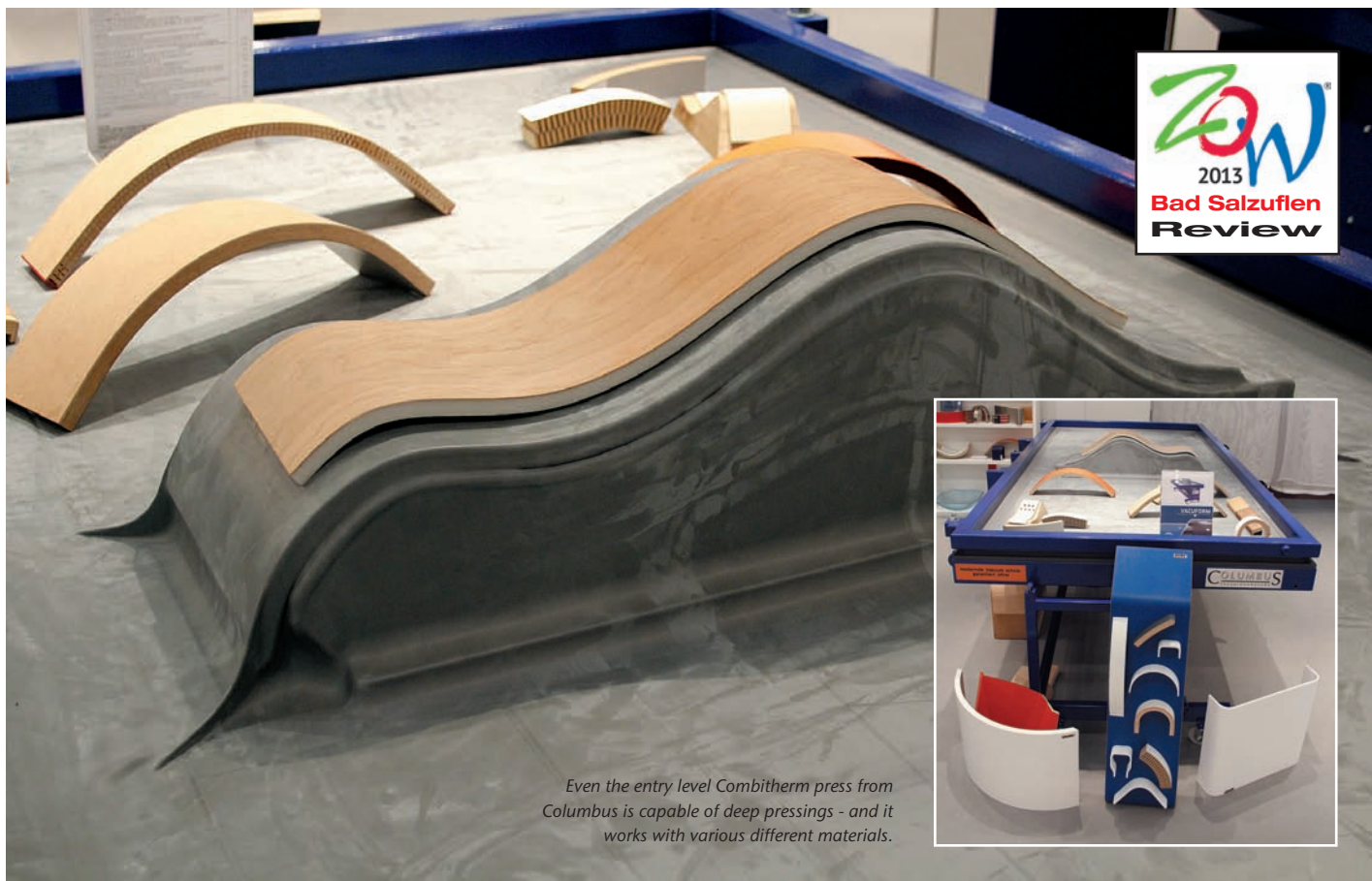
Details from Marlborough Furniture Surfaces, 01327 877464, or visit Hall 6.1, Stand E40 at Interzum.



Sanremo



Yukon: "The best of every décor rolled into one."



curvy components



Columbus presses are not just for working timber products.



Manfred Müller.

Big surprise at ZOW 2013: Columbus presses from Ney Ltd.

One of the biggest surprises at ZOW 2013 was the presence of Columbus. Available through Coventry-based Ney Ltd, Columbus has been making membrane presses for the last 30 years and its range of equipment encompasses mass production membrane presses, foil lamination machines and machines for forming plastics and solid surfacing materials.

On show at ZOW 2013 were a couple of the company's smaller machines, designed for the small to mid-size workshop. Although the machines on the stand had made some pretty complex, deep pressings, the Head of Technical Support & Development, Manfred Müller, who is in charge of customer support in the UK, confirmed the Combitherm on show was the standard machine: "But it is really two machines in one: a heating unit and a forming unit," he says. "With this machine it is possible to bend laminate. We also make bigger heating ovens of up to four metres and we make bigger presses with vertical or swivel movement."

The entry level Columbus

Combitherm at ZOW had a 2880 x 1280mm bed and was capable of pressing components of up to 500mm in height. "We use a silicon membrane," explains Manfred. "It is heat resisting up to 220°C, which means it is capable of bending timber components quite easily, as well as doors and other components."

The top level machines made by Columbus are typically anything up to eight metres in length with a bed width of two metres, "But we are currently making a machine which is fifteen metres long which offers cycle times of between two and twenty minutes, depending on the glue."

Columbus also makes vacuum bags of up to 3800 x 1200mm capable of forming almost 360° around components. "With a silicone vacuum bag and one of our 80m³ pumps, it's possible to make 600 items a day. We have another solution which is a seamless volume membrane which is ideal for a 3880 x 1540 table with a height of 600mm."

For further information, or to find out more about Columbus, call 024 76 308100 or visit www.ney.co.uk



Left: Oakly, making its debut at ZOW on the Furnipart stand, is one of the new curvy trends in handle design. Details from LDL: 0845 123 2288.



Below and right: Josef Cech underlines the new motto from Hranipex: All you need. In celebration of its 20th year, the edgebanding specialist has a new logo and announced a partnership with edges to match Senoplast from January 2013. For details call 0121 782 6248.

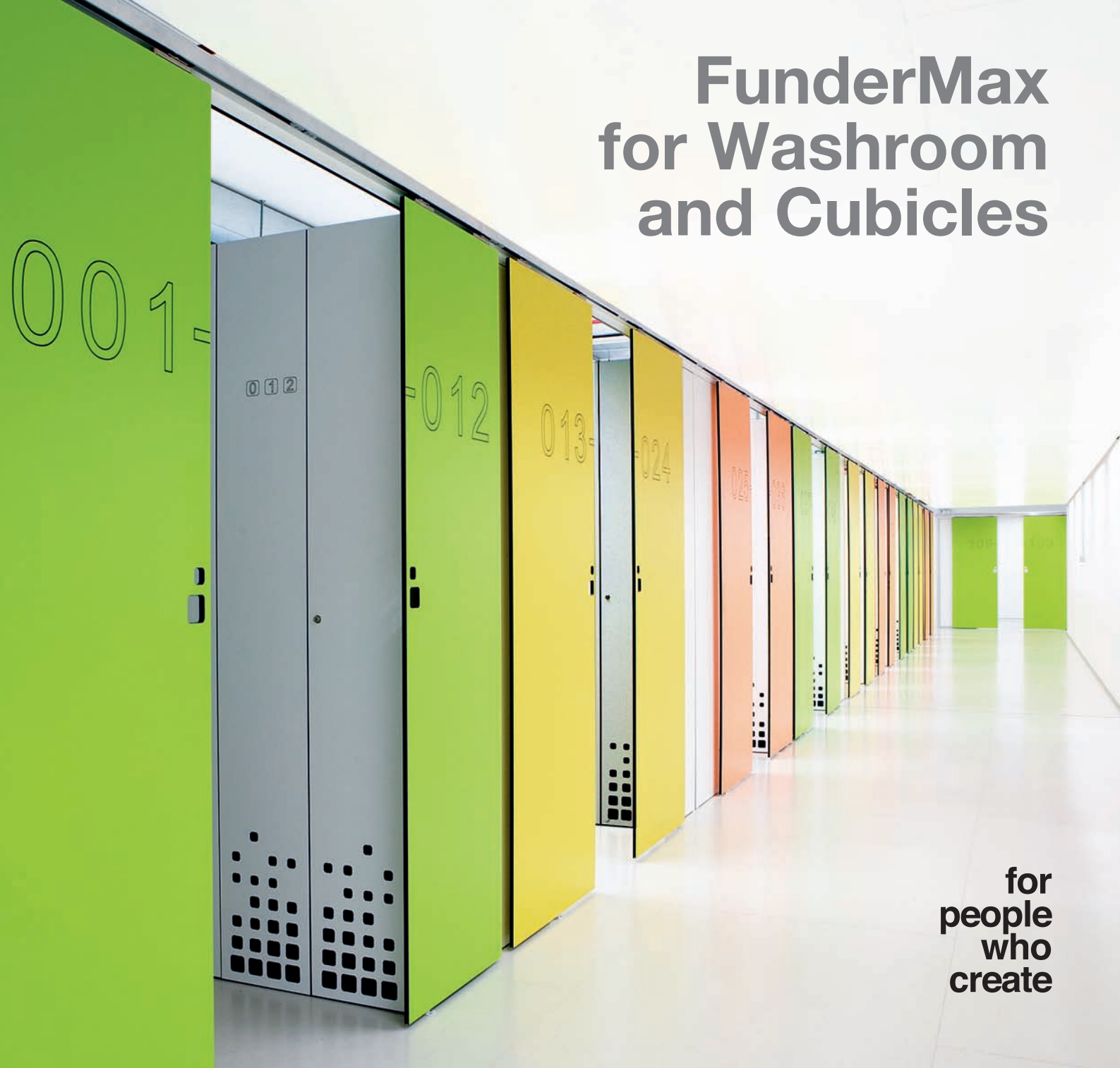


Above and below: Ebbe Lykkeskov shows one of several handle ranges from Danish hardware supplier HT Bendix. The company has a brand new and quite substantial brochure of fittings - everything from handles and knobs to slides and more. For your copy call 0045 9626 3367.



Left: Natural Touch from Kronospan. Claimed to be the first embossed-in-register board, where the grain precisely matches the surface finish, it makes the authentic look and feel of real timber accessible on almost any project. Use it where you would have used timber or veneers, or specify it for cladding, furniture or fixtures. Gone is the need to pay a premium for chestnut, cherry, walnut or oak. Save on maintenance and installation costs, with no worries about shrinkage, warping or other long-term timber troubles. And be reassured about sustainability. All Kronospan boards are FSC-certified. To feel and see for yourself, contact Kronospan: marketing@kronospan.co.uk

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who
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max inside

The Austrian décor specialist, Fundermax, showed a range of surfacing products at Ecobuild, including interior panels.

Fundermax were on show at Ecobuild in March for the 3rd year this year - and on the stand were a number of solutions for both furniture and wall panels.

FunderMax Compact Interior panels are high-pressure laminate panels (HPL) manufactured to standard EN 438. Produced in laminate presses under high pressure at high temperature, they are particularly suitable for demanding applications, such as office furniture, wall cladding, cubicles and sanitary facilities and a range of decorative applications.

There are three variants: Max Compact Interior panels, Max Alucompact and Max Compact with White Core. Max Compact Interior panels come with décors on both sides. The core is black and the surfaces are available in different structures.

The design of Max Alucompact (42, 06) is the same as the Max Compact Interior panel but Alucompact, as the name implies, has aluminium bands on both sides under the decorative layers or in the core. This ensures that even perforated panels are extremely stable. Furthermore, this panel type can be used as wall cladding without rear ventilation. In furniture applications, the edges stand out as modern design elements.

Though similar in form and function, Max Compact with White Core is stylistically different: the panel core remains a pure white. Colour variations are possible, such as a black core. Fundermax advises clients to compare the samples when using more than one panel type. The décor is always the same on both sides.

Details, Decormax: 01924 267979.



Butt Cut - a razor thin veneer cut from end grain.



50 years in veneers

Innovation has always been part of Schorn & Groh's offer. Interzum will see even more for veneer and timber users.



Above: Dining table made with Satin Walnut lumber.

Background: Fire Roots, a Vavona burr flitch from the exclusive One-of-a-Kind collection.

More than eight million square metres of veneers, four hundred cubic metres of popular wood species and one hundred and forty species of timber make Karlsruhe-based Schorn & Groh one of the leading lights in the veneer industry. But, even though the company's Ehrenkirchen branch dries its own lumber and adds a further thousand cubic metres of sixty or more species to the Schorn & Groh offer, there's much more to Schorn & Groh than wide range and huge stock. The company is well-known for presenting its clients with rare and finely figured gems, such as FSC-certified and PEFC-certified fiddle-back flitches, figured veneers and other rarities.

Seekers of the unusual have come to appreciate Schorn & Groh's exclusive One-of-a-Kind collection. The outstanding veneer originals feature attractive grains, extravagant, eye-catching figuring and, in many cases, come with provenance and history: Fire Roots, for example, is a Vavona burr flitch, fashioned from a 500-year-old tree root from California which bears the traces of several forest fires. As with all veneers from Schorn & Groh's exclusive collection, this magnificent veneer can be acquired in its entirety.

Over its fifty-plus year history, Schorn & Groh has shown itself to be an innovator, right at the cutting edge of veneer technology. Among the company's innovations is Butt Cut, a razor-thin veneer, cut from end grain wood. First seen in 2012, Butt Cut has developed into a collection of eight spectacular design variations, all available in practical sheets. Fleece on the rear of the cross-cut spliced veneer provides stability and simplifies processing.

Ethical sourcing is essential, especially sourcing of the more rare and beautiful veneers and timbers Schorn & Groh offers. The company policy is to support sustainable forestry and buy only in growing regions and from partners who practise regulated logging and re-planting. Much of the company's stock is sourced from Europe and North America which a good portion from plantations.

Interzum will see Schorn & Groh present interesting design possibilities such as backlit veneer and new additions to the One-of-a-Kind collection. It promises to be an exciting display. And for those who like fruit cocktails, there's one waiting for you on Schorn & Groh in Hall 5.1 on Stand 040/041. Alternatively, call 0049 0721 962 450.



Three steps and thirty seconds is all it takes!

one clic wonder

Ever wondered if there was a simpler alternative to making and installing your own carcases? Unilin has the answer with a fast, economical new product called ClicBox.

Time is money, so for kitchen professionals who want to reduce labour costs and combine quality with cost-effectiveness, the ClicBox click together carcase range from Unilin can only be good news. Putting ClicBox together is a cinch - and there's no need for tools or expert knowledge.

You might not recognise the name Unilin but you will almost certainly know Quick-Step, a flooring system that can take much of the credit for the UK boom in laminate strip floors.

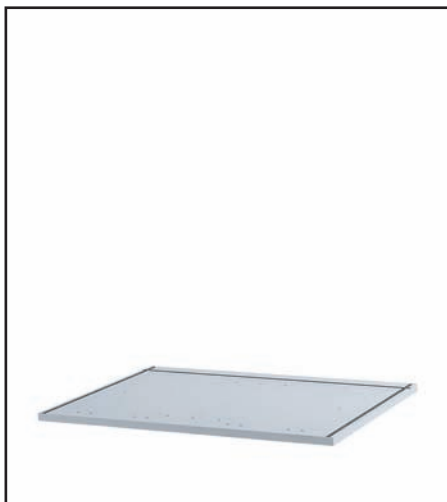
The Uniclic® technology used for Quick-Step was revolutionary in the world of laminated flooring because it meant floorboards could be installed without glue. The boards are simply

angled and clicked and the job is done. The Quick-Step brand has since become world famous and won numerous international awards.

In 2011, Unilin pooled all its knowledge and expertise to expand the revolutionary Uniclic® technology to include furniture. A tongue and groove system allows furniture panels to be clicked together at an angle of 90 degrees. With this new application of Uniclic® technology, Unilin won the coveted biennial "Best of the Best" Interzum award for Intelligent Material & Design at the Keulen Furniture Trade Fair. Unilin has now applied the new joining system to ClicBox, a range of kitchen carcasses

Perfect, easy-to-assemble cabinets in minutes - every time.





Does it get any easier than this to assemble a carcass? Five steps, no glue, no tools and you have an accurate, rigid and very strong carcass without the need for panel processing equipment "up to five times faster". Perfect for installers - and manufacturers who want to sell more units!



that allows kitchen makers and retailers to offer their customers quality results quickly and easily.

By applying Uniclic® to the ClicBox range, assembly has been radically simplified and that means significant time savings. The special tongue and groove system allows panels to be locked together without the use of screws or tools. The tool-less installation extends to every component of the kitchen cabinet, such as the mounts for the wall cabinets and the centre post for wider cabinets. This means that ClicBox kitchen cabinets can be assembled up to five times faster than traditional cabinets. As an added benefit the Uniclic® joints are stronger, more stable and invisible when compared with classic screw joints.

With ClicBox, Unilin combines its unique click system with exceptional quality. Both the panels - laminated chipboard - and the finishes are designed in-house by Unilin in order to guarantee that each and every cabinet meets strict quality standards. A smart drilling pattern ensures that cabinets offer plenty of options (four drawers, five drawers, drawer line, etc), without the need for extra holes to be drilled. In

addition, the drilling pattern is designed to match the most common types of mount (Blum, Indaux and Hettich). Cabinets are hung on the wall with the aid of an invisible metal clip that - once more without the use of tools - clicks into the back of the unit and can be positioned at different heights.

The ClicBox range includes 42 different units: 18 base cabinets, 16 wall units and four store cupboards with four shelves each. The base units are 720mm high and 570mm deep and vary in widths between 150 and 1000mm. There is also a corner unit (928mm wide) and an oven cabinet. The wall units are 720mm high and 330 deep. The widths vary between 300 and 1000mm. There are two types of corner unit as well as bridges of 360 high by 330mm deep in four widths (500, 600, 800 and 900mm). The four store cupboards are 570mm deep, 1970mm high and are available in the widths 300, 400, 500 and 600mm. There is a choice of white, ivory and oak finishes.

ClicBox is available from Stellafoam and HPP in the UK and TPC in Ireland. Products are held in stock for customer collection. To find out more call Hill's Panel Products on 0161 628 6100.



ClicBox

with UNICLIC technology



UP TO **5x**
FASTER
INSTALLATION

kitchen cabinets
with a click system
that make you
the winner.

SIMPLY
CLICKS
TOGETHER
without tools



Unilin ClicBox is an entirely new range of kitchen cabinets with a patented and revolutionary UNICLIC for furniture technology which enables you to just click the different components together



One clic wonder

- ✓ Very easy & highly intuitive assembly
- ✓ A game changer for your productivity rate; up to 5 times faster !
- ✓ No tools, no glue, no fittings
- ✓ Easy to transport & convenient to handle
- ✓ Less components
- ✓ A 100% cost & time efficient solution

A complete range

ClicBox offers a complete range of 42 skus (base, wall and larder cabinets) in 3 different colours: white, ivory & lissa oak.



Watch the installation movie, **order your free sample** and find the Clicbox dealer list on www.clicbox.eu





amazing alpine beautiful brabant gorgeous graphite

Ahead of Interzum, Renolit has launched wonderful matt and beautiful on trend woodgrain décors.

A visit to the Renolit stand at Interzum promises to be an exhilarating experience with some quite stunning, tactile new décors to delight the senses.

Matt, as a surface finish, continues to increase in popularity and remains a strong market trend for 2013. The introduction of Alpine and Graphite Suedette Matt to the Renolit Alkoren stock range provides the market with attractive high performing products in a range of commercial colours combined with a superb matt surface. Both introductions have completed Finish Performance Testing by FIRA and satisfy the requirements for the assessment of domestic kitchen worktops, doors and other panel elements as specified in BS6222 part 3 1999.

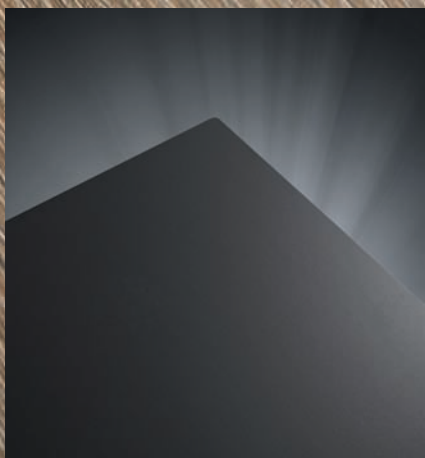
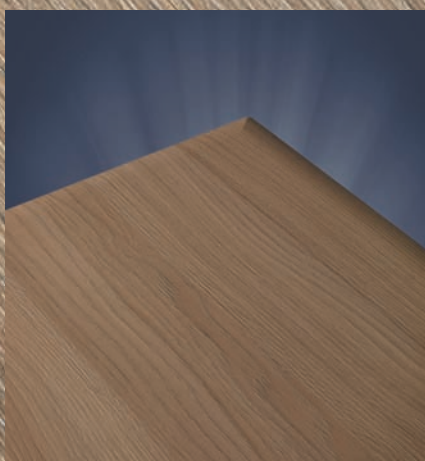
Alpine Suedette Matt 46737 (top left) matches Egger Alpine White W1100 ST9 and is the brightest white in the collection, sitting alongside Platinum White Suedette.

In all, eight colours from lights through neutrals to darks are included in the collection - one of which is Graphite Suedette Matt 46770 (bottom left), a stunning dark

anthracite grey matched to the Egger Graphite U961 ST2. All are available in 350-micron 3D stock range item and made-to-order 170-micron Renolit Alkor SR wrapping grade.

Also on show at Interzum will be a new linear Oak - Brabant. Part of the Renolit 3D stock range, it will be available in two colourways. Brabant A 46772 (middle left) is a classic oak colour brought up to date with Renolit's Woodtex lightly structured emboss which gives the design a finely sanded feel. It has been matched to the Egger Natural Flandern Oak H1370 ST10. In comparison, Brabant B 46773 (main picture) is a pale honey colour which is finished with the more deeply structured Linea emboss to give a fresh and modern design to suit many different styles of door. The emboss matches the features in the Kronospan Fresh range, and to Rijeka Oak D5502. The design lends itself to mix and matching with a number of solid colours.

All the new designs can be seen in the 2013 edition A4 Renolit Highlights collection binder. For further details call 01670 718222.





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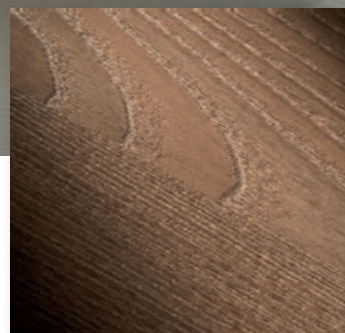
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6093 Fallow Walnut

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Wood, perfected

Guy-Raymond's castors have found great success in the UK but 60% of its turnover is now exports.



castors at interzum

If castors are what you need, a trip to the Guy-Raymond stand at Interzum is sure to be worthwhile.

Founded in 1948, Guy-Raymond has been exhibiting at Interzum since 1989 - and since then, the company's export business has increased from 10% to 60% of its turnover. It's all part of a long-term strategy to expand the customer base. Aside from the UK, Guy-Raymond currently trades with 40 countries: the bulk with Europe, but substantial sales are with North America and Australasia. This success has been built on the belief that you can't beat local knowledge, so the company has a network of overseas agents and distributors, backed up by an experienced multilingual export team.

A significant strength is the level of vertical integration at Guy-Raymond. All major processes are carried out in-house at its modern 6,000-square metre factory in King's Lynn, where compliance with ISO 9001 and 14001 ensure quality is strictly maintained whilst minimising environmental impact. This degree of integration

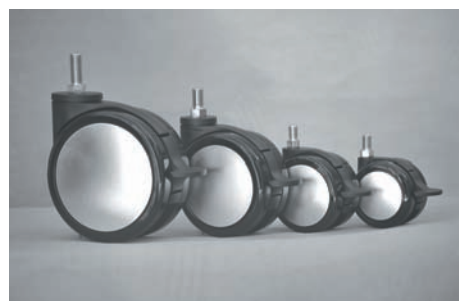
means that delivery lead times can be significantly shorter than those of competitors, and that flexibility in tailoring product to specific customer requirements is greatly enhanced.

An important factor in the success of Guy-Raymond's export growth has been the success of the GRX castor range, 75% of which is sold outside the UK. Designed, developed and tooled within the company, this product range has seen rapid take-up worldwide where its contemporary design and strong technical performance are widely appreciated. Having recognised the diverse applications of these products, the company offers a wide range of bespoke colours and fixing options.

In recent years the GRX range has been greatly extended with the addition of metallic finishes, anti-static products and, most recently, anti-microbial castors, which are of particular interest to the medical industry.

For Interzum 2013 Guy-Raymond has relocated to Hall 5.2 stand F31 where visitors will be able to discover the latest product innovations.

Get things moving at this year's Interzum with Guy Raymond castors.



Sibiu Larch has been given a wire-brushed look for a striking three-dimensional effect. Alternating sections of densely-packed and wide-spaced grain, various knots and side-cut crotch figures give the planked layout a lively and rustic touch.

Rustic oak table-boards provided the inspiration for Beaufort Oak. The lively grain in the broad planking and the large and small knots all contribute to an extremely natural look.

Tokaj Lime is a fine-grained décor offering elongated flame figures, partial rays and attractive colour treatment. Darker streaks introduce a touch of interest in the balanced composition.

Thanks to its arresting 3D look, Sheffield Oak makes a powerful visual impact, with striking negative pores in the growth lines and narrow figures further contributing to this effect. The décor is particularly attractive in dark colourations.

party with schattdecor



New ideas, new trends, new décors - but a familiar welcome from the Schattdecor team at this year's Interzum.

Welcome to a sneak preview of Schattdecor at the forthcoming Interzum 2013! From 13th to 16th May, Schattdecor will be showing décors both on stand C20/E21, Hall 6, and in the Innovation of Interiors section of Hall 4.2. In addition to its usual presentation of trends, new and proven décors, Smartfoil and Postfoil innovations and digital Visions designs, the company will also be showcasing its global digital-printing expertise. Novel surface effect décors will be presented that demonstrate its mastery of visual qualities in register with a textural finish. A particular focus will concern a brand-new collection of five specially selected and extremely contrast-rich woodgrain décors characterised by a particularly natural look. Based on an impressive foil innovation, the new collection is being marketed as Smartfoil CP+. The "CP" (Crystal Print) stands for a print image of unprecedented clarity, while the "+" signifies a look that offers a plus in naturalness.

Make a note to look for the newest décors: Tokaj Lime, Beaufort Oak, Bonifacio Oak, Sibiu Larch, Sheffield Oak and Loft.

The main stand will reflect the company's unique welcoming character and is likely to have guests and customers returning again and again. Don't miss out on the stand party on the fair's second day (14th May at 6pm). Themed to the 20th-anniversary of Schattdecor Poland, the after-hours event is sure to provide plenty of opportunity for networking and personal encounter in an informal atmosphere.

Loft is a fair-faced concrete décor in a somewhat structured layout featuring many of the details typical of the material. Created for various applications, it is suitable for worktops, wall surfaces and furniture elements alike.

Faint cracks and a multitude of lively details give Bonifacio Oak its distinctive character. The planking is subtle in effect. Crossfires, small knots and narrow side-cut narrow crotch figures are further features.

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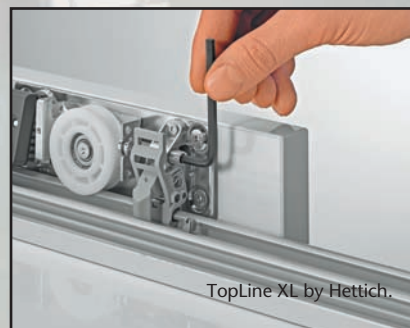
Meet the five specialists for Surfaces, Foils and Edgebands at the SURTECO exhibition stand. And use the combined expertise in Technology and Design. Our surface decor developments are available in many different materials, all perfectly co-ordinated to each other. Whether edge or surface – we dress your furniture best.

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ArciTech in Vertex, the new modular kitchen from Mascari.



125 at interzum

Hettich's ArciTech drawer system was first previewed at Interzum in 2011. Firmly targeted at the premium segment, it is arguably the best drawer system ever made and caused quite a stir. It is now available in the UK.

ArciTech has been developed to give kitchen and furniture manufacturers the ability to create perfect drawers for different segments and every consumer need. The luxurious action of the Actro runner offers superb running smoothness, stability and soft-closure. The unique prism concept provides a profile geometry which ensures exceptional lateral stability. Synchronised control guarantees a co-ordinated runner action and the perfectly-balanced Silent System for soft-closure gently shuts drawers while giving them maximum loading capacity.

ArciTech features in Vertex, the ground-breaking new modular kitchen from Nottingham kitchen studio Mascari. Vertex is designed to streamline the specification process while delivering a finished product of superb quality and ergonomics. Vertex features

As Interzum comes around again, what better time to check the progress of one of the last show's highlights?

a multifunctional wall unit which includes various appliance and storage options which are concealed when not in use. Meanwhile, the other key element of Vertex, the island unit, is devoted to food preparation, cooking and waste separation.

Hettich ArciTech was a natural choice for Vertex, as it optimises storage while being a pleasure to use. It is also aesthetically in keeping with this very design-oriented concept. Vertex also uses two other Hettich products, the soft-close Sensys hinge and the InLine P sliding door system.

Hettich UK marketing manager Colin Patterson says: "It is appropriate that Hettich, the pioneer of the soft-close drawer, should take the whole drawer system concept to a new level. Now that consumers have come to expect their drawers to slide back in place gently

with barely a murmur, the time is right to exceed their expectations once more. Vertex is just the sort of concept to benefit from ArciTech and we are delighted to be working with such an innovative studio as Mascari."

At Interzum, Hettich will display its full range of furniture fittings. The exhibition will also be the launchpad for new ranges of Hettich's ProDecor handles and a new sliding/folding doors catalogue. Among Hettich's latest sliding/folding door innovations is TopLine XL - a concealed, premium sliding door system which handles doors weighing up to 80kg. For soft opening, soft closing, three-door applications, collision damping - whatever the scenario, TopLine XL works beautifully and feels luxurious. The damping force is adjustable.

"Hettich will be celebrating its 125th anniversary at Interzum," says Colin Patterson. "With such an innovative and diverse product range, we are preparing for the future while celebrating the past."

For details on Hettich's ArciTech drawer system visit the Hettich Interzum stand or call 0161 872 9552.

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edging ahead

This year marks the 30th anniversary of SMC, the Exeter-based edging company. Founded by Managing Director, Frank Scriven, SMC offers a range of edgebandings and edging products throughout the UK. Says Frank, "SMC Wholesale is a UK-based, family run business of over 30 years standing with a reputation for quality of service and product. It is

established as a leading supplier of edgebanding materials, particularly in hot melt pre-glued melamine and veneer products. Whereas plastics can be said to be the more glamorous product, melamine and veneers are a significant part of the market. For SMC, plastics are a growing part of the business and this is where our current investment lies."

Exeter-based SMC expands its offer of edgebandings and adhesives to attract small to mid-sized manufacturers.



Slitting and pre-coating are part of the SMC service.



Over 400 décors and 100 melamines in stock.



Up until now, the company's focus has been predominantly on supplying merchants with palletised goods which are branded and ready for resale - but times are changing. Explains Frank, "Our speciality is pre-coating edge-bondings. Up until now we've concentrated on supplying 50-metre rolls which we pre-pack and bespoke label for merchant customers. We're now turning our attention to end users, focussing on smaller to medium-sized manufacturers who are looking for high quality products in smaller quantities.

"We supply from stock over 400 décors in PVC and ABS plastic in a variety of thicknesses and widths, more than 100 décors in melamine, and the most popular species of wood veneer. We source the best possible board matches from various suppliers in Europe, many of whom we have a long standing relationship of over 20 years.

"We have extensive knowledge of pre-glued production with four lines capable of producing 100,000 metres per day. We can glue-coat materials up to 3mm in thickness." SMC is able to slit special widths and glue-coat these

if required. It is geared up to supplying small quantities from stock.

"We provide a fast turnaround with many slitting and gluing orders dispatched in the same day," continues Frank. "Delivery is normally next day, including before 10am when required."

SMC offers a unique knowledge centre with advice on décor matches and availability, technical gluing issues and problems of application. Although SMC has a website, Frank says the company philosophy is to talk directly with customers and use the website more as a knowledge base than a purchasing portal.

Back in 2011, SMC acquired the business of Trimbridge, a small UK maker of bench top and hand-held edge banding machines of more than 30 years standing. "We offer a range of small machines and spares under this name," says Frank.

"We've been thirty years in the business," says Frank. "It's a family business. We're only a small team but we are reliable and committed to providing exactly what our customers need, wherever they may be in the UK."

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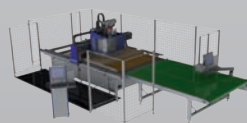
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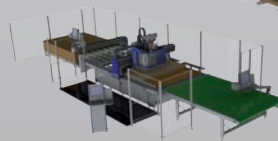
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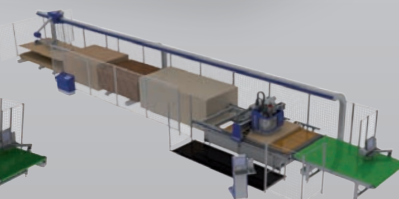
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Duncan Such, MD of Vector.

the key to contours

Is it possible to apply a contour edgebanding by hand and get a good glue line and a strong bond?

"It is not possible to control glue temperature at the point when the band is applied to the panel and edge pressure with manual machines. The edge force required is more than a manual operator can apply consistently. Automated machines are the only real solution."

With stiffer banding materials, such as 2mm and 3mm, the edgebanding has a

natural memory which will not conform to the shape of the panel. How can manufacturers avoid loose glue joints on small radius corners?

"The only way is to control the speed and pressure of the application system at corners to ensure that the glue joint is allowed to flash off while still under pressure. This means specific speeds on corners. It is also important that the glue unit should be close to the application point to prevent the glue cooling too much before the band is applied to the panel. Good automated

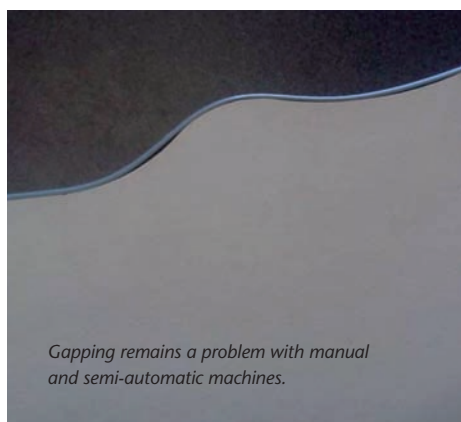
The problems with contour edgebanding are not as difficult to solve as they might appear. Furniture Journal gets some advice from Duncan Such.



Butt joins that take 5-10 minutes using manual methods take 10 seconds with an automated system and have tolerances of 0-0.3mm.



A good glue line and a strong bond.



Gapping remains a problem with manual and semi-automatic machines.

systems automatically do this but manual and semi-automatic machines are as yet unable to provide this control, significantly limiting the complexity of shapes which can be performed."

The butt join is a very precise operation requiring accurate measurement, trimming and laying of the band but often butt joints turn out loose. How is it possible to avoid this problem?

"A good operator can achieve acceptable butt joins manually but this requires considerable time - often as much as five to ten minutes depending on the operator -and it is difficult in production to maintain this quality. Good quality automatic machines are able to perform the butt join in 10 seconds and the quality perfect with tolerance of 0-0.3mm."

How does one avoid the problem of unsmooth glue application and ensure reliably tight glue line on tight corners?

"The gluing system is the heart of any edgebander but even the best glue system will perform poorly if inferior glue is used. The best solution is to use the best quality glue available. The small extra cost of a better glue is recovered many times in saved rework, better quality glue line, lower machine maintenance, on-site replacement of faulty components and more."

What advice would you give to manufacturers who have not compromised on glue quality but are still experiencing problems with adhesion on complex shapes?

"The ideal glue system does not leave the glue heating for extended periods exposed to the atmosphere where the glue components will evaporate off and discolour. When glue components

evaporate off (noticeable by a glue smell in the atmosphere), the glue bond is compromised and the glue line will deteriorate and be more challenging on complex shapes. In the worst instance, the banding can fall off."

Is it possible to make reliably edged curved components on an edgebander where the glue unit is some distance away from the first pressure roller?

"The ideal glue system would have the glue unit as close as possible to the first pressure roller so as to minimise any cooling of the glue before it is applied to the panel. If this distance is too long, special long open-time glues are required to maintain the glue before it is applied. The disadvantage of such glues is that there is a longer time for the glue to set once it is on the panel and, consequently, on tight corners the band will tend to pop at the transition points."

For manufacturers wanting to automate the process of applying edgebands to curved components, what's the return on investment likely to be?

"Manual and semiautomatic machines are inexpensive, typically £10,000-£35,000. However, output is slow and quality variable. Fully automated CNC-machines are expensive and the component output means typically these can be justified when component value is very high so long cycle times are reflected in the value of the finished component. Fully automatic non-CNC Vector machines use a unique process which enables justification on a ROI basis on much lower component cost. They can even be equipped with lifting systems, such as vacuum lifters, to cope with large worksurfaces."

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inside story



Vector Revolution 180

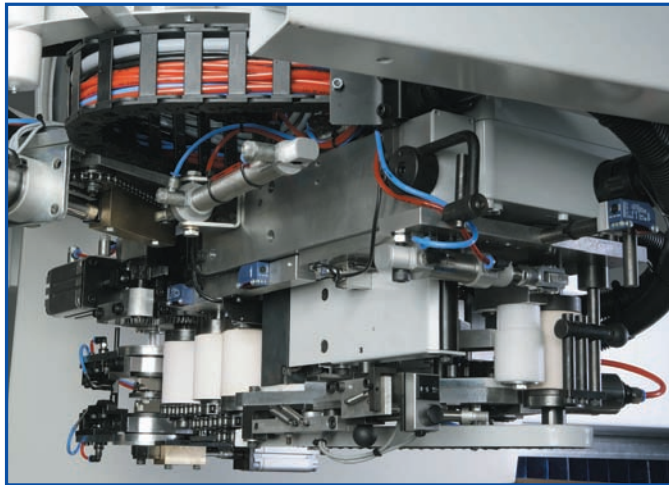
The Vector Revolution 180 is the ideal solution for contour edgework. The patented Vector operating system uses the panel shape to calculate its path and, hence, requires no programming. This unique system means that the Vector Revolution 180 can be used in Nested Based Manufacturing setups - ideal for material recovery when processing shaped panels. The Sidewinder trimmer unit and glue joint scraper mean all processes are completed simultaneously leading to

exceptionally short cycle times - typically 1-2 minutes per panel. It is ideal for high production with short runs of each shape. Designed with simplicity and ease of use in mind, the Vector control screen shows the operating manual in video format with a simple, icon-based index system used to find short video clips quickly to help the operator. Simple to operate and fast, the Vector means perfect contour edgework every time.

With more than 25 years experience in the UK market, RW Machines of Bicester has flourished as an independent supplier of woodworking machinery. Working with many of the prominent names in the industry, RW offers CNC routers, edgebanders, panel sizing equipment and printing and packaging

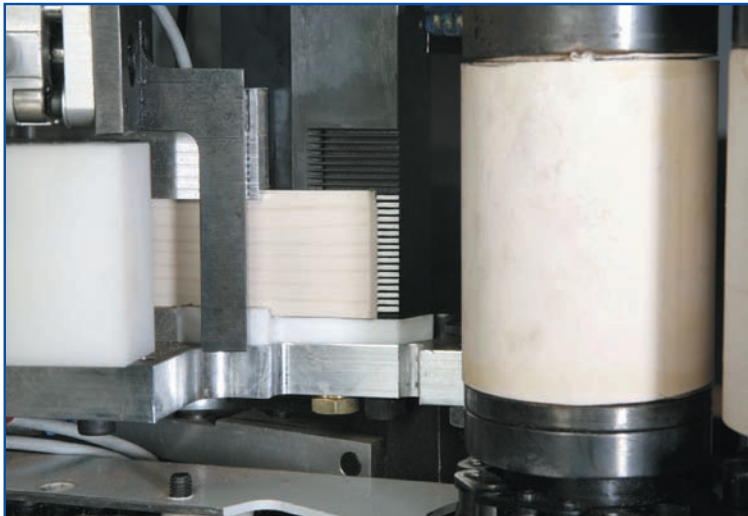
machinery. Other fields of activity for the company are presses for carcase assembly and membrane pressing of vinyls to fascias.

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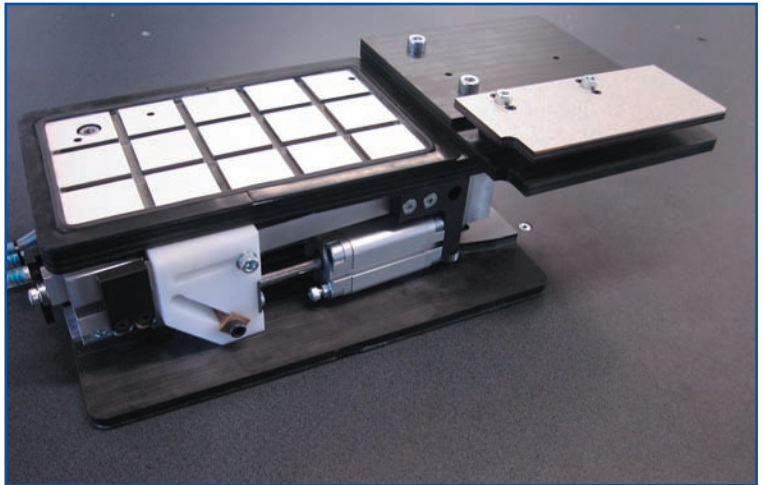


Above: The Sidewinder Trimmer unit 9430, showing the operating head with gluing, pressure rollers, trimming and glue joint scraping all performed in one pass. This results in exceptional cycle times with no tool changes required.

Right: Glue System showing the glue application nozzle. The Vector Revolution 180 uses a cartridge and nozzle system to apply the glue to the band. The glue is controlled to the width of the panel and hence the overhanging band which is trimmed remains free of glue resulting in better trimming performance.

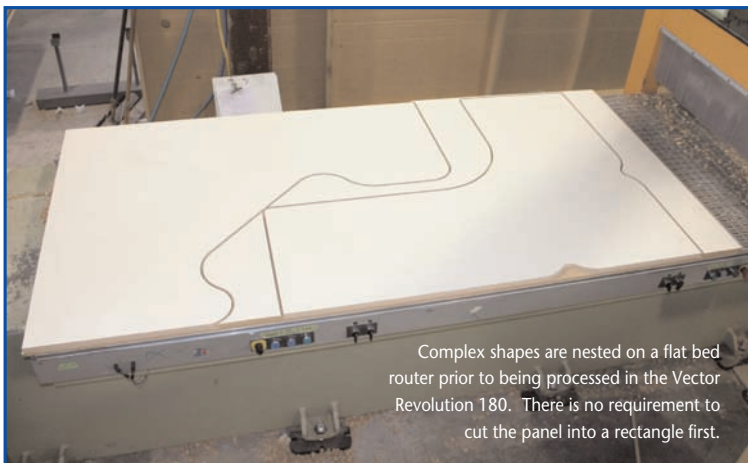


Below: The precise control of the Vector Revolution 180 results in precise butt joints every time.



Above: Autotrim Endpods have milling units built into them. When performing edging on edges with square corners, these pods automatically perform and end trim while the head is traversing to the next panel. The principle of Simultaneous Processing is maintained, meaning exceptional cycle times and simplicity.

Below: The screen is very simple and intuitive to use requiring no programming. Simply place the panel on the machine and set a start point.



Complex shapes are nested on a flat bed router prior to being processed in the Vector Revolution 180. There is no requirement to cut the panel into a rectangle first.





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The REHAU Express Collection offers a coordinated edgeband range matching the new "Express Colour" collection from Kronospan. Particular attention has been paid to creating a harmonious overall appearance with virtually no visible transition from the board to the edgeband. All 67 edgebands perfectly match the Kronospan board collection in terms of colour, decorative design and surface finish, once again allowing REHAU to demonstrate its long-standing design expertise in this area.

Visit www.rehau.co.uk and click on Design For Furniture and checkout our highlights section at the bottom of the page "Kronospan Colour Collection"

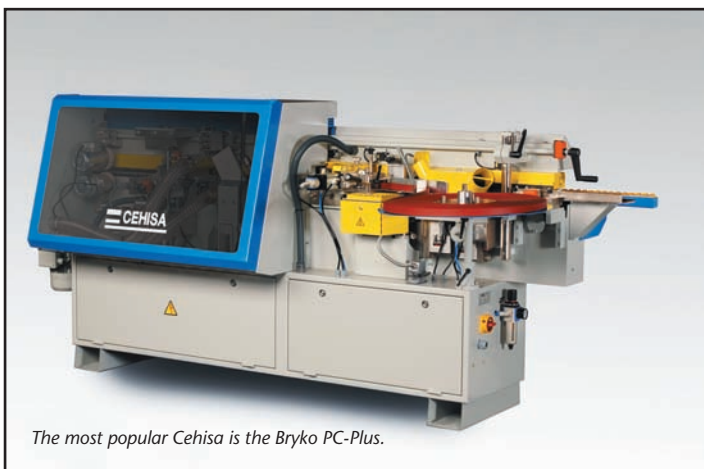
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Over and above providing a complete range of matching edgeband for the Express Colour collection from Kronospan, the EXPRESS COLLECTION from REHAU offers you much more.

With in excess of 1200 colours and decorative designs, the EXPRESS COLLECTION is matched to all of the leading board manufacturers' collections.



The Cehisa Pro 12 takes panels of up to 60mm in thickness.



The most popular Cehisa is the Bryko PC-Plus.



The Bryko P-Plus.

maintaining an edge

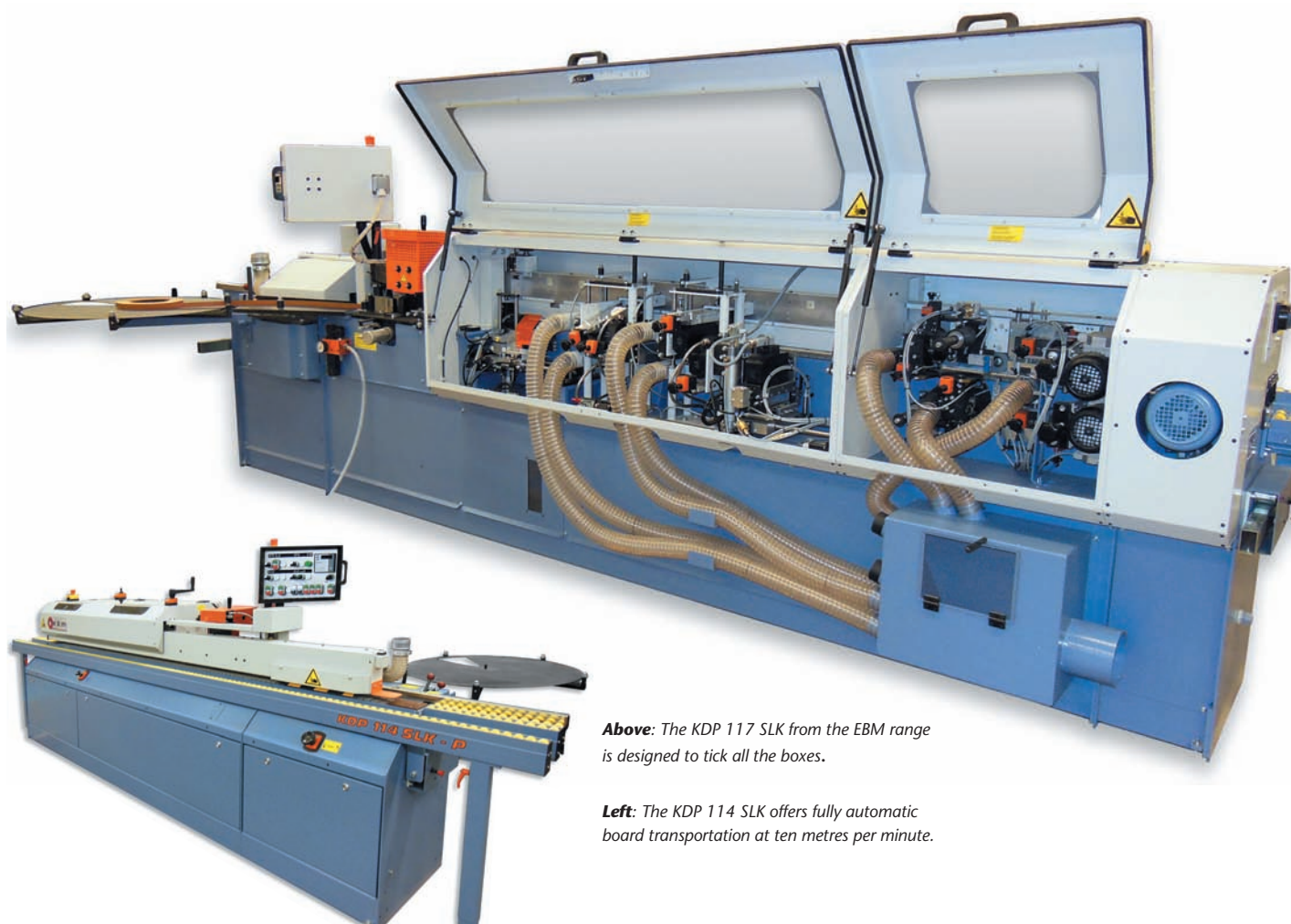
Entry level edgebanders for the small to medium-sized manufacturer are core products for Coventry-based Ney Ltd and, over the last 30 years, the company has built an enviable range. Starting with Cehisa, Ney's offer spans compact entry-level machines, to high-end, multi-functional production machines. Indeed, it's the strong relationship with the Spanish woodworking machinery specialists, Cehisa, that accounts for much of Ney's success. Its Bryko range is in high demand - the most popular being the Bryko P-Plus and Bryko PC-Plus.

Specifically designed to minimise wastage and work time, both the Bryko P-Plus and Bryko PC-Plus, favoured for their pre-milling stations that, in part, help to create a perfect edge, come with an electro-pneumatic tape in-feed which is controlled by a micro-processor and timer, automatically feeding the tape into the correct position. Both

machines, with a PLC control panel offering ten individual programs to accommodate a wide range of materials, offer great flexibility in the size and thickness of the panel and the edging and make it possible to work with panels as small as 120mm long x 75mm wide and panel thicknesses as slim as 8mm. The Bryko PC-Plus offers corner rounding with a radius of 2mm.

For manufacturers who need to work thicker panels, the versatile Cehisa Pro 12 takes panels of up to 60mm. Other advantages include a 3mm corner rounding radius and a feed speed of eight to fourteen meters per minute. The Pro 12 is renowned for its clean and tidy finish. The machine is equipped with a surface scraper unit to remove excess material from the board and a buffering unit, consisting of two individual 0.35hp motors fitted with either cloth or Scotchbrite wheels to lessen waste and create optimal results.

Thirty years in the edgebanding business have seen Ney Ltd's range grow from entry level and hand-held machines to high specification production machines for the small to medium-sized factory.



Above: The KDP 117 SLK from the EBM range is designed to tick all the boxes.

Left: The KDP 114 SLK offers fully automatic board transportation at ten metres per minute.

The company's exclusive arrangement with EBM edgebanders in the UK is also a distinct selling point for anyone looking to purchase a reliable edgebander with outstanding build quality. With more than 25 working with EBM, Ney's specialists know the brand inside out and are able to provide the perfect solution for your production needs.

Keen to be the complete solution for the smaller manufacture, Ney sells machines from across the whole spectrum, including the entry-level KDP 102 SLK. This dynamic single sided, straight-line edgebander has been designed with top, bottom and edge trimmers and can be used on a panel measuring 260mm long and 10mm thick. Its compact size, 1.5kg quick melt glue pot and automatic tape feed make this a favourite with smaller workshops.

If it's a higher degree of auto-mation you require, the KDP 114 SLK-P boasts a fully automatic board transportation system that has a feed speed of ten metres per minute. The machine is capable of working with panels as small as 250mm long x 90mm wide x 10mm thick and applying edgings of just 0.4mm deep. It also offers an extendible front support rail which, in conjunction with the pressure beam, supports larger panels - a must for any growing business.

If you're looking for an edgebander that offers a dynamic, flexibility approach to its work, Ney's flagship model, the KDP 117 SLK will probably tick all the boxes. This fully automatic, gravity-fed glue pot edgebander, comes with an electro-pneumatic pre-cutting guillotine to cut material directly from the coil. It can be used with a range of material sizes from 220mm long x 90mm wide x 10mm thick upwards and is capable of applying 3mm edging. The machine has been designed to work effectively on corner rounding, too, and can be used with edges of up to 30mm thick. At ten metres per minute, the speed of the feed is also an impressive feature of the KDP 117 SLK and to guarantee the best possible finish, the machine is equipped with a double jump milling station with two high frequency motors that are used to rectify the edge of a pre-sawn panel prior to edgebanding. Optional extras are available on all Ney's edgebanders making them easy to adapt and customise to meet the requirements of your business.

For more information on Ney's Edgebanding range, or to arrange a demonstration, call 024 76 308100. Alternatively, visit the Ney company website at www.ney.co.uk.

Below: The KDP 102 SLK is EBM's entry level machine. Compact size, large glue pot and automatic tape feed have made this machine a firm favourite.



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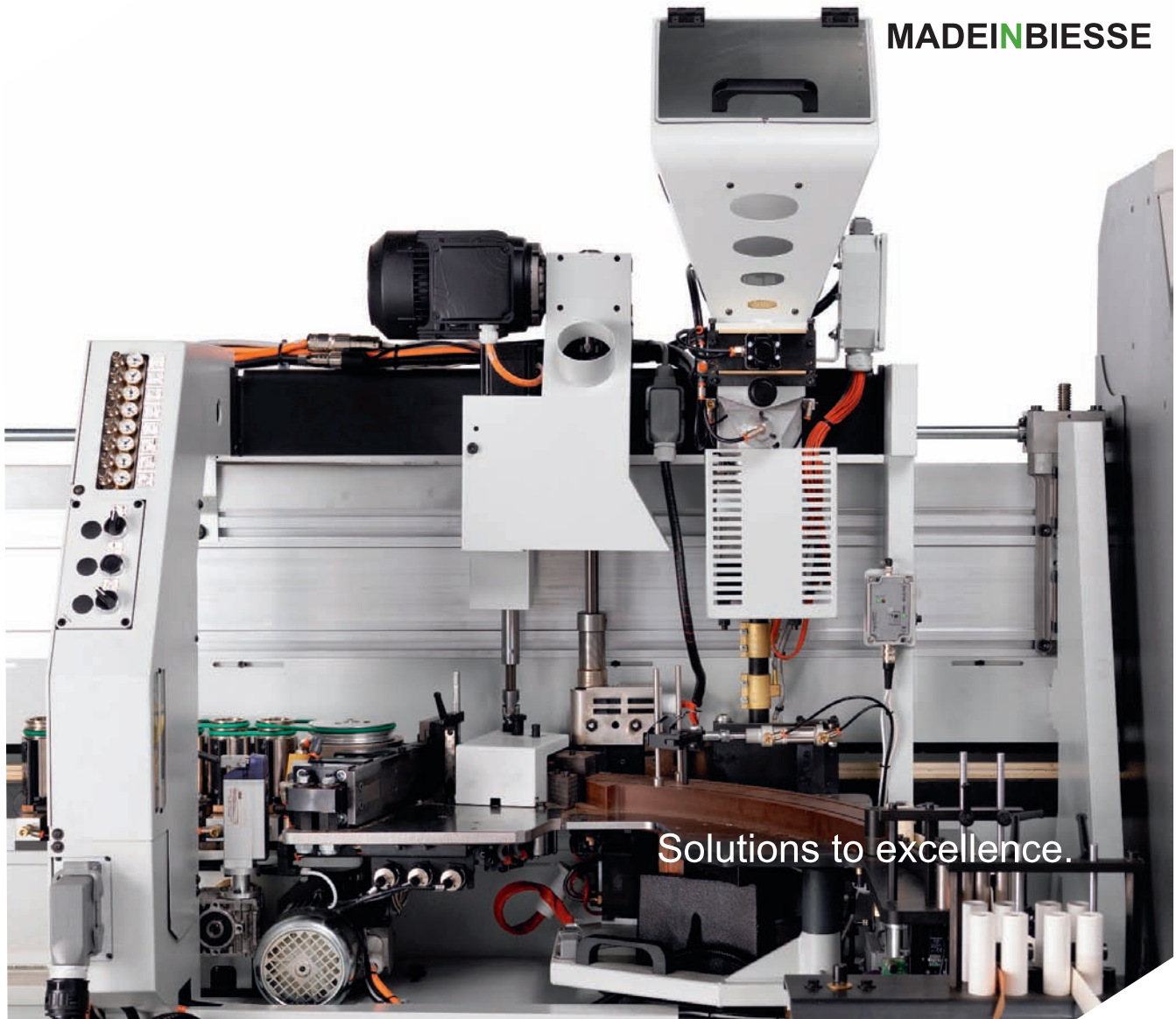
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Main picture: The Powermat series will be shown in full.

Left to right: New features on the Multirex; top middle the angled spindle, and top right, the new entry control system, MemoryPlus.



Visitors to the Weinig stand will be treated to more than 30 exhibits.

weinig: new at ligna

Weinig is set to present its solid wood processing technology in Hall 12 on a stand featuring 30 exhibits spread across 3,800m². The Holz-Her stand will be directly adjacent in Hall 11, underlining the expertise of the Weinig Group in the processing of timber products.

The Powermat planer series will be shown in full with the 600, 1200, 2400 and 2500 models. Demonstrations will include an angled spindle, vertical floating spindle and 3D structuring. The new back-pressure system prevents "snipes" and "dips" at the final lower spindle.

MemoryPlus is a new entry-level control system for customers with a small variety of profiles. The EasySet function corrects any measuring errors on the tool quickly and easily and allows the mobile spindle (as well as a chamfering unit) to be controlled, or glazing beads to be separated.

Also new on the stand will be Weinig's latest pointed tooth roller (2.0), which offers better grip through lower contact pressure and reduces indentations in the wood, and a new 90° chamfering unit with axles that are independent of the spindles. The installation at a 90° angle allows the

production of chamfers with curves and radii.

Further developments have been made to both the Cube and the Powermat - such as a new automatic stacker for the Cube, easier operation and an improved splitting wedge system.

Making its debut will be the Conturex Compact. The new model extends the Conturex series and incorporates such features as frequency converters to facilitate demand-oriented drive.

Stand visitors will note the new Multirex generation now has an external tool magazine with a length of 6.5m - and its own axle. Transfer of the tool to the tool holder can now be accomplished without loss of time.

Weinig will be exhibiting what is believed to be the world's first fully-automated pre-cutting system, OptiLink. OptiLink is a software solution for 2D optimization. The line will include a CombiScan 200 R scanner for rip-sawing and cutting, a ProfiRip 450 speed optimizing circular saw and an OptiCut 450 FJ+ III high-speed optimizing cross-cut saw with ST 10-1500 automatic stacker. The entire system is connected via the OptiLink software.

Weinig will also be presenting a new range of accessories for pushfeed

saws in Hannover. These will enable work processes that follow cutting to be further automated or integrated into the process. The new Superdrill unit, for example, combines the work processes of cutting/drilling and cutting/milling in a single pass.

Whilst the ProfiRip 450 and 310 and the FlexiRip 3200 saws have been enhanced, there will be two brand new band saws, the BK60 and the BK80. The new band saw reaches feed rates of up to 60m/min in standard configuration and up to 80m/min with the high-performance package. Also on show will be the new Powerjointer 8 finger jointer (8 connections to be centrally milled and pressed per minute) and a complete package finger jointing line, the Ultra 2000 for incoming lengths of 2000mm. Visitors interested in finger jointing will be able to see more at the Alfeld plant, not far from Hannover.

Weinig's new double-end machine reinforces the company's intention to become a complete provider. The double-end machine allows Weinig to address companies in the furniture, board, window, flooring, insulation, construction timber and solid wood industries.

Visit Hall 12, Ligna, Hannover.



Below: The D963 was first presented in autumn 2012. It was followed by the A951, AD951, Dual51 and Plan 51.



New design for the 900 Series and Format-4 planer thicknessers.



The Profit H10.

growth at felder

With over 1300m² of exhibition space booked in Hall 14, Felder is set to launch an unprecedented number of new machines at Ligna.

2013 is predicted to be another year of massive growth at the Felder Group. Despite stagnation in the economy over the past few years, with investment in the factory, new production techniques, products and machines, Felder has continued to go from strength to strength.

At the annual January New Year's Meeting, Mr Hansjörg Felder announced the start of a wave of new products that were to be launched in 2013. The first release of products included the newly designed range of 900 series and Format-4 planer thicknessers.

In autumn 2012, the new Felder D963 was presented, with 630mm thickening width and a wealth of high quality standard specifications including power drive adjustment. Then in January this was followed up with the launch of the new A951, AD951, Dual

51 and Plan 51. A simplified design for the lifting of the planing tables and a more solid machine chassis are just two of the immediately noticeable improvements. Numerous changes have been made to the machines and, says the Felder Group, this is only the start.

At Ligna in Hannover this year, the Felder Group will be launching an unprecedented number of new machines. These will range from machines for the hobbyist through to CNC machining technology. With over 1300m² of exhibition space, this year's event will present the largest stand ever and Felder looks forward to welcoming you there. Felder will be situated in Hall 14 on the following stands: K01, H06, J06, K12, H14, J14 and K14

For more information call the Milton Keynes Showroom on 01908 635000 or visit www.felder-group.co.uk

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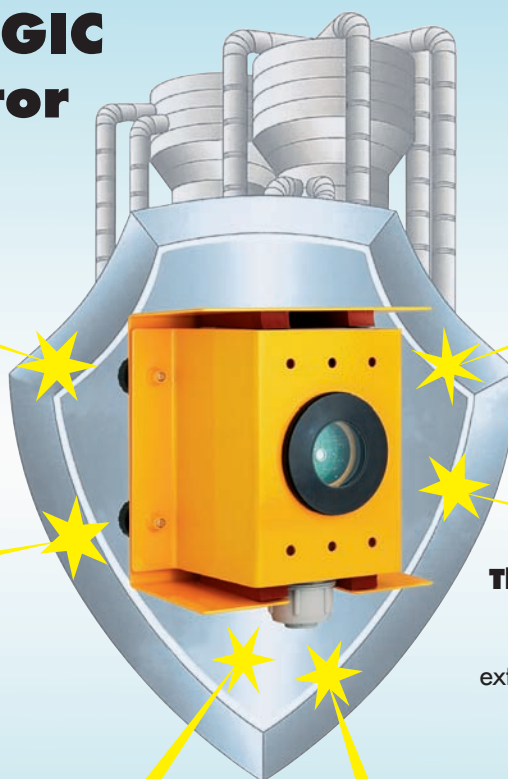
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make a date with maka

Ligna is coming up - and that's the perfect opportunity to see the PE90 in operation.

Make a date with MAKA at Ligna 2013. Renowned for dependability, MAKA's new heavy-duty PE90 is equally at home shaping stair treads and table tops, as well as newel posts and table bases, columns, legs, seating, and any other panel product. MAKA provide these special machines for the discerning customer: bespoke joiners and furniture manufacturers, who will be able to see the machine in operation producing solid wood stair parts. The fast and powerful 5-Axis spindles and large tool stations provide the machining capability, while the new table options provide the flexibility and ease of use the bespoke joiner needs.

The PE90 is highly modularised, delivering a competitive package for the German specialists, and a cost-effective investment for the customer.

"The PE90 stands-out due to its uncompromising build, power, and highly ergonomic design" says Iain Young. "Our NC engineers have amassed all their resources, expertise and know-how to create this complete and uncompromising package, and will be on-hand to discuss your support, service and maintenance requirements, as well as demonstrating this machines potential." More information: 01952 607700.

The clean lines of the MAKA PE90 table and narrow clamping bars make light work of setting complex and narrow parts.





Left: A Combilift truck working in James Latham's Leeds warehouse.

Below: Combiift's design team is six-strong and caters for clients who want to make the most of their warehouse space - wherever they are in the world.



Is your storage and warehousing as efficient as it could be? Combilift's Managing Director, Martin McVicar, talks to Furniture Journal about making the most of available space in your warehouse.

the space race

You must see a lot of warehouses that simply don't work as efficiently as they could. What are the most common issues you come across?

"Under-utilisation of available space - and forklifts - are common. Many companies still use one type of forklift outside, another inside, and possibly even another for moving specific products. Using a Combilift for handling long material improves utilisation across the board, and saves on capital investment, maintenance, insurance and training costs. Optimising the layout of storage areas can result in much more efficient operations. In some situations we have found, for example, that personnel picking and handling goods only spend about 20% of their daily hours on this activity whilst more than 50% of their time is spent driving around the warehouse to locate stock."

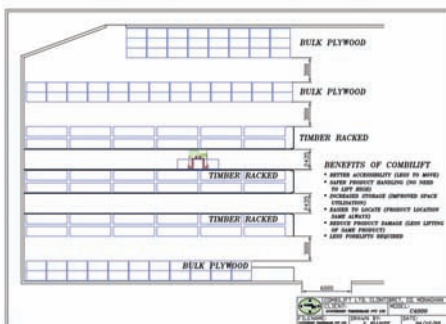
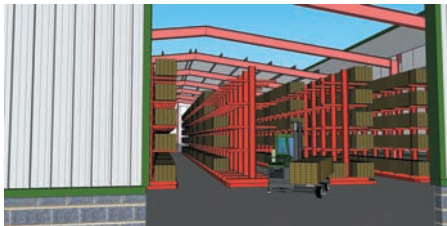
Combilift is well known for its forklift trucks but possibly less well known for the facilities it offers clients who have space issues they want to address. What can your designers offer and what can Combilift deliver besides trucks?

"Since we established Combilift it has been our byword that, rather than just supplying forklifts, we see ourselves as providers of complete warehouse solutions and our layout service has been a key element of this. The combination of the four-way design of Combilift's trucks, their ability to travel sideways with long loads and negotiate tight confines, plus a radical rethink of stacking and storing methods can exploit the full potential of available space. This can avoid costly and disruptive relocation should the volume of goods increase. Our highly qualified team of design engineers prepare layout plans



Above: Martin McVicar, Managing Director of Combilift.

Below: "The appearance of the finished layout is very clear and concise and can therefore instantly convey the level of improvement that can be achieved."



"Our warehouse design and logistics audit service is free of charge and comes with no obligation to purchase our trucks."

which can yield substantial space savings in excess of 30% when handling palletised goods with our Aisle-Master articulated trucks and up to 100% when handling long loads with the Combilifts range. The appearance of the finished layout is very clear and concise and can therefore instantly convey the level of improvement that can be achieved."

When you set about designing an efficient warehouse, or redesigning a warehouse to improve its efficiency, where do you start and what are the steps in the process?

"Whatever size of company we are advising, from small family operations to large global concerns, provision of data is crucial as the first step. As well as detailed information on the size of loads handled - length, width, weight, etc, - we need dimensions of the area that is to be used for storage, the upper and lower roof/eave height, the location of entrance and exit points and loading bays, plus information on any outside areas that may also be used. We also make use of technology such as Google maps, which is a great way of clarifying the information we have been given (sometimes it is not 100% correct!). Using our design software and 3D simulations, the designers then create diagrams of layout which provide the best possible storage density and the best type of Combilift trucks for the products handled."

What proportion of Combilift's warehouse design work is new build, or at least empty warehouses, and what proportion is working with clients who have warehouses that they want to be more efficient?

"We do more work with clients who have existing premises that they want to optimise. This is partly down to the fact that a lot of companies we work with have been in business for a while and have long established premises. The great advantage of our service for them is that, by utilising existing facilities, it enables increased capacity without the significant extra costs involved in building, buying or renting extra space. It can also avoid complicated planning consent issues."

In the course of a reorganisation, does Combilift supply racking, etc, and project manage?

"We do not actually supply racking but we have close working relationships with a number of racking suppliers and our experienced gathered over the years can be invaluable to them, too. Due to our staff's expertise we can advise as to the

best type of racking for any particular purpose - such as cantilever racking for long loads of timber, high bay narrow aisle racking for pallets, etc. If the customer has a preferred racking supplier, we will work with them and make sure that the interface between racking and trucks has the best possible outcome. For example, when we supplied six new trucks to James Latham's new depot in Leeds we collaborated with Latham's racking supplier, Stakapal, for the guided aisle section of the warehouse."

What steps does the Combilift team take to minimise disruption to working warehouses that might need more substantial reorganisation?

"Implementing a new build project is obviously less disruptive than reorganising an existing warehouse, which requires close collaboration between all parties to minimise any down time. Some customers schedule a total refit to take place when their operations are typically slower, or during holiday periods. To minimise any potential disruption Combilift will generally make available a used or demo Combilift for training in advance of the delivery of the new unit to give the customer some time to get their operators trained up before they start the reorganisation."

Is it possible for customers to avail themselves of the design service without buying a Combilift truck?

"Yes. Our warehouse design and logistic audit service is free of charge and comes with no obligation to purchase our trucks. However, in practice we have found that once potential customers have gone down the route of looking to us for advice, they are usually so impressed with the outcome that they buy our products."

What does Combilift offer that its competitors don't?

"As we have been offering this service from day one, we have 15 years of experience in this field that is unmatched by competitors. We employ a team of six full time engineers at the factory whose sole role is to work on this, which gives you an idea of the scope of this section of our business and the demand for it around the world. We are one of just a very few companies offering a fully free of charge service - others will offer basic advice and then expect a consultant to step in to provide more details - which naturally comes at a price."

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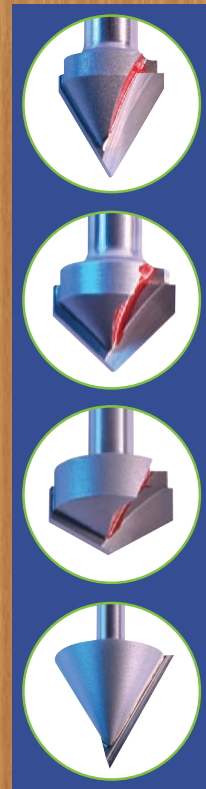


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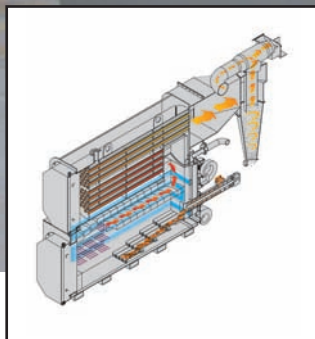
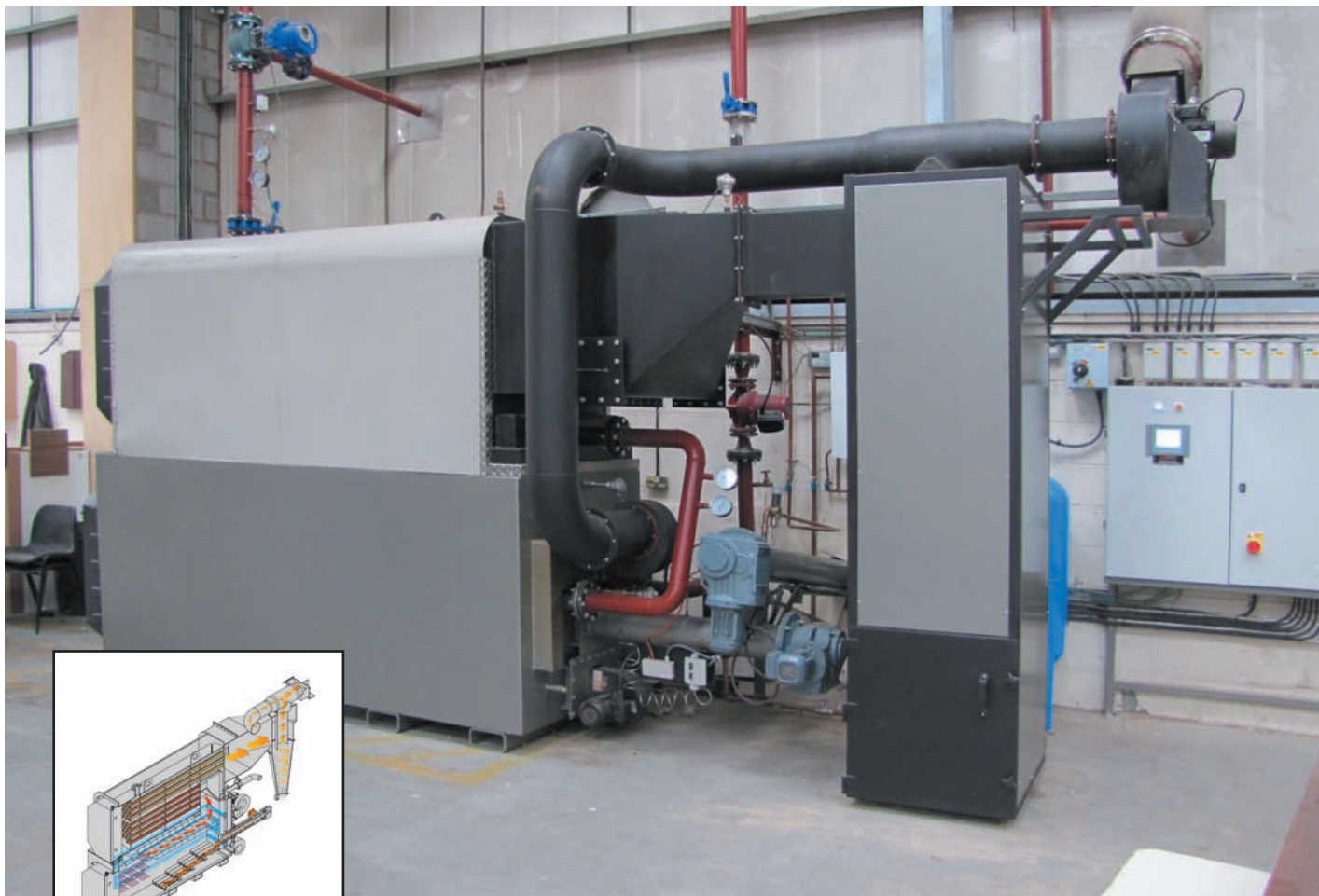
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A new boiler from Wood Waste Technology makes its debut.

a warming thought



The new boiler system offers three heating solutions in one package and user friendly controls include innovative features to save you money and help make the most of the RHI.

Wood Waste Technology Ltd has launched a new hot water boiler system to complement its current range of wood waste heaters, shredders and briquette machines - and it's been designed to help companies to use their wood waste to save money on heating and waste disposal costs.

Wood Waste Technology's new boiler system will open up the market to allow smaller companies, as well as larger corporations, to benefit from renewable energy hot water solutions.

The new boiler system offers three heating solutions in one package, providing space heating to factory areas, traditional radiator heating for offices and domestic hot water. The products have been designed and tested to BSEN303-5-1999, the highest standard for efficiency and emissions, allowing customers to maximise their return from the RHI scheme. The boiler can burn any type of chipped or shredded wood waste, from dust to rugged wood chips, and requires little maintenance.

The new boiler systems are manufactured by Wood Waste Technology in the UK and the team is very proud that all the wood waste heaters it has sold to date are still in operation today - a sign of the manufacturing excellence that Wood Waste Technology has built its reputation on. User friendly and containing many innovative features (such as a facility to turn down the boiler when the factory is empty overnight and a water cooled combustion chamber to provide greater efficiency and extended life) ensure they make better use of resources.

Boilers are available in various outputs, from 300kW up to 1 MW, to suit all business sizes. The touch screen PLC interfaces make them easy to use and they're also easy to maintain.

Wood Waste Technology offers site survey, design, manufacture, installation and on-going maintenance. To find out more call 01785 250400 or visit www.woodwastetechnology.com or www.grossuk.co.uk

GOOD FOR THE PLANET, GOOD FOR THE POCKET

For more than a decade, Dustraction Ltd has been the waste extraction supplier of choice for SAM Mouldings in Ulster, Europe's leading manufacturer of architectural mouldings in MDF.

For the latest installation on the 8-acre Antrim site, Dustraction upgraded and moved an older 80m³ storage silo to enable the flow of MDF waste to be switched between silo stores. At the outlet of cyclone filters 3 and 4, a new 2-way diverter ensures a reliable feed source for the Combined Heat and Power plant.

Dustraction has continually upgraded the waste extraction, storage and delivery mechanisms needed to get the wood waste fuel to the electricity generating turbine via an MDF chippings and dust incinerator. An additional cyclone filter has been installed to exhaust waste from a repositioned hogger via an external network of ducting.

An interest-free Energy Efficiency loan from the Carbon Trust has partially funded by the layout, designed to feed a biomass wood chip and dust boiler with a heat exchanger and steam turbine.

Production Director Mark Kirkpatrick estimates his extraction technology, utilising the 2.5 tons of MDF waste generated per hour, is saving on heating and paint drying processes by around £72,000 per annum, with a further £180,000 in waste disposal costs annually. He adds that by avoiding the use of fossil fuels, he is saving about 1,200 tonnes of carbon dioxide each and every year as well.

0116 271 3212

www.dustraction.co.uk



Top left: Dustraction's multi-cyclone filter and silo installation at SAM Mouldings handles 2.5 tons of MDF dust per hour.

Left: The wide range of mouldings from SAM includes skirtings, architraves and door frames, in primed and painted finishes as well as foil wraps and real wood veneers.

machine shop

XYZ ON THE STAGE

Cardiff Theatrical Services is a familiar company to the Welsh National Opera, for whom it has built scenery as a subsidiary company for the past 30 years. Using predominantly wood, the company has expanded to provide a full scenery building facility for other clients such as the Royal Opera House, the BBC and some of London's top West End shows. The scenery components include everything from formers for boxes to complex shapes that are fixed to timber or steel frames.

Central to this expansion has been the purchase of an XYZ 4010 router, which "ticked all the boxes in our must-have machining capabilities" according to Darren Joyce, General Manager at Cardiff Theatrical Services. He added that "it gave us the right level of production but at a comfortable price point. The large 10 x 5ft production bed and 7-station Automatic Tool Change (ATC) facility provides many options in terms of what materials we can machine and what components we can manufacture using the router and the Delcam ArtCAM Insignia software running it."

The XYZ 4010 is part of the XYZ 4000 router series, with a choice of both standard and bespoke formats, which feature a number of standard and optional production tool enhancements. Features like a much-enlarged multi-station ATC facility and AVS (XYZ Vision System) for optimum material alignment and more precise cutting are coupled with the next-generation XYZ A2MC machine controller and the new Smart Console incorporating context-sensitive menus for ease of operation. There is also extended Z-axis height, multiple spindle options (including quick-release tooling) and the processing length of the routers can be configured to enable different production requirements.

01902 375600

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For information about Cardiff Theatrical Services visit www.cardifftheatricalservices.co.uk or call 029 2063 4680.





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