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Model TSM22, the most popular Pocket Router in the Castle range has been re-designed with a new lift up table top to provide the following features:

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NATURAL QUARTZ FOR HARD, RESILIENT KITCHEN WORKTOPS

OUR FRONT PAGE STORY

OVER the past 25 years Spanish kitchen worktop specialist manufacturer, Cosentino, S.A. has enjoyed fantastic economic growth throughout Europe. The company has regional offices throughout Spain, as well as having distributors in all provinces.

This is not to say that Cosentino restricts its business activity to Spain itself. Indeed, the company has spread worldwide through its distribution network and currently operates in the USA, Latin America, Australia and Asia.

This large network of outlets ensures full quality service supported by the existence of permanent stocks.

Silestone – the name with which the company is synonymous is composed of 94 per cent solid natural quartz, making these worktops extraordinarily hard and resilient. They are the first and only quartz worktops featuring bacteriostatic protection.

This unique formula was developed by Cosentino and is based on the use of the latest generation silver ions to prevent the propagation of bacteria.

Silestone worktops are acid, stain impact and scratch resistant and come in a wide range of textures and colours. They come with a 25-year guarantee.

The concepts of innovation, quality, variety and service have made Cosentino a leading manufacturer worldwide - providing a group of businesses oriented towards modern-day architecture.

Cosentino is a company with a vision – and that vision is to lead the global market for kitchen work surfaces by offering innovative solutions which provide value-led designs and which are aimed to inspire, as the company



constantly strives to imagine and anticipate its customers' requirements.

At Cosentino is a company, which is pledged to support ongoing sustainable practices.

'Our commitment to sustainability begins in the strictest sense of the meaning – that of ensuring that today's business will continue in terms of employment and profitability for the future,' says Cosentino Group president, Francisco Martinez-Cosentino

The management at Cosentino believes in actively encouraging its workforce,

believing that employee opinion is an essential facet to an ongoing programme of innovation and development.

With this in mind, an Ideas Programme was set up some years ago and its success is evident in that all the workers in the many establishments operated by the company are truly committed to the individual role that each of them has to play in manufacturing the product, constantly striving to suggest improvements and coming up with new ideas

The Cosentino Group has also made a solid ongoing

commitment to environmental care and control with regard to all of its industrial processes from the quarrying of the raw materials to the final distribution of the finished product - a prime objective being to minimise dust emissions into the atmosphere during the manufacturing process.

In the UK there are a total of five authorised distributors cover the country with outlets in Darlington, Thurrock, Gloucester, Hook in Hampshire and Manchester.

Want to find out more? Visit www.cosentino.com



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SCRATCH RESISTANT AND SURFACE QUALITY - AN INTRINSIC FEATURE

KITCHEN
DOORS

GRUPO Alvic is Spain's largest producer of panel components and finished doors, with several factories based in the Barcelona area and further south.

Alvic's flagship product is the Luxe range, which can be supplied either in full size boards 2750mm x 1220mm x 18mm MDF, or cut-to-size and edged either with a PU glue, or laser technology.

Luxe is the result of applying the very latest UV lacquering technology combined with the latest generation of materials, which allows the creation of modern and elegant kitchen cabinet doors and panelling

One of the secrets of Luxe is the total control of the manufacturing process – from the impregnation of the raw papers to the pressing of the boards. This provides the opportunity to offer a matching reverse, which is so often requested by top end kitchen furniture retailers.

The physical characteristics of Luxe are impressive, especially its scratch resistance and surface quality. The collection of finishes ranges from solid colours in gloss and matt, gloss and matt metallics and gloss woodgrains and abstract designs.

Recent new investment at Grupo Alvic has seen the introduction of several new products:

Syncron has now been extended to include in-register synchronised embossing on woodgrain designs, offering a deep texture and realistic alternative to real wood veneer.

Zenit in Supermatt and Metaldeco are the new and improved matt surfaces, which now have a reduced gloss level and higher abrasion and scratch resistance, which has elevated this product to a new level in terms of both quality and appearance.

The Finger-Pull range, in 22mm thickness, can be supplied either in cut-and-edged door sizes, or long elements with a single- or double-edge profile.

Panelco, part of the Meyer Timber Group, is the exclusive distributor of the Luxe boards in the UK. The company stocks over 30 different finishes and offers a nationwide service which is hard to beat. Ordering by 5pm guarantees next day delivery on orders of any quantity.

'Now at Grupo Alvic we have a great variety of products that can satisfy all areas of the home and commercial projects in finishes and designs demanded by today's specifiers and furniture manufacturers,' says Alvic's UK representative, Barry Berman.



Want to find out more? Visit www.groupalvic.com



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NEW TRIANGULAR SANDING PAD GETS JON OUT OF A TIGHT CORNER

JON Sanders is based in Surrey, producing quality bespoke kitchens. The company was recently approached by Fein to review its 130mm triangular sanding pad whilst operating multi-tools in the work place.

'I work on very high-end bespoke kitchens for much of the time and so it is crucial that the tools I use deliver precise work, with good finishes,' says Jon.

Recently Jon found himself in a situation and needed Fein to save his bacon whilst delivering some bespoke kitchen cabinets. He had sanded them down before lacquering, using a circular oscillating machine with a 3mm oscillating pad in order to achieve the initial sanding results he needed.

Later on into the job he realised that he had forgotten to finish the backs with a finer grit and so he pulled out his corded

Fein machine and the new 130mm pad to help assist him. He attached the piece on to the oscillating machine, placing a 180 grit sheet over the sanding pad.

What he really liked about the 130mm pad was that it secured tightly into the fitting system, without wobbling when the machine is operated.

He found that it outperformed the smaller pad he had used multiple times before in such circumstances. Despite being larger, he felt that it reached into tighter areas and he felt that it was much easier to manoeuvre.

He really liked the foam backing within the pad itself, offering good density and balance. Overall, Jon really loved the new 130mm sanding pad and sheets and would highly recommend it.

The triangular sanding pad offers the

end-user a much larger surface area to work on medium-sized surfaces, providing an alternative to sanders, for most multi-tool end users.

It is a part of the Starlock system, meaning that it can attach to the machine easily and will fit securely. The pad and the attaching of sanding sheets is easy to achieve and the sheets can come as perforated, used with, or without dust extraction. There is a plastic carrier plate for preventing damage and marks on the work piece.

The 130mm sanding pad can be purchased as part of a stand-alone kit, containing the pad and two each of grit 60, 80, 180, or is available in various OMT kits.

Want to find out more?
Visit www.fein-uk.co.uk

STRENGTH TO STRENGTH WITH FELDER



BASED in the North East of England, Steve Duck's Integral Collections Ltd manufacture kitchens, bedrooms and bathrooms, as well as furniture for studies, offices and lounges all with the help of machinery purchased from FELDER GROUP UK.

In 2010, founder, Steve Duck purchased his first machines from the FELDER GROUP. Since then he has purchased more than 17 machines, upgrading and improving his machines over the ensuing years.

'As a company, FELDER is able to help with a wide range of machinery from small machines to very large ones and since I have been involved with FELDER it has broadened our horizons, so that we can make whatever we want to produce,' says Steve.

Currently in Integral Collections' workshop, there is the Tempora 60.12 and Perfect 710 edge-banders, Profit H08 and H22 CNC machining centres and a

Want to find out more?
Visit www.felder-group.co.uk

Kappa 550 X-motion panel saw from the FORMAT-4 range, as well as a K 500 panel saw, a FD 921 dowel boring machine, the Forka 300 s eco edge-bander and the KF 700 saw spindle moulder.

'We've gone from strength to strength with FELDER. What they have done is to make life easier by having a range of machines to suit all our circumstances,

for now and for the future. As they bring out new and better machines, we will be upgrading ours with FELDER!' says Steve.

'In the long run, it has been cheaper to buy from FELDER. The machines might be more expensive, but they last a long time and the service more than backs it up! We have worked with FELDER for over seven years and no other company.



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MACHINES AS ACCURATE AND RELIABLE AS A TEAM OF SKILLED CRAFTSMEN

MANUFACTURING MACHINERY

JONATHAN Randall Ltd creates beautiful bespoke kitchens from the company's Cotswold-based workshops

Supported by his team of carefully chosen craftsmen, the company designs and creates perfect kitchens, all of which are defined by their quality, characterised by the materials used and embodied by the craftsmanship that goes into making every feature perfect.

In order to turn a dream kitchen into reality, Jonathan Randall Kitchens Ltd requires machines which are as accurate and reliable as the skilled craftsman employed by the company.

In 2012 it was decided to invest in machines from Felder and the company went ahead with the purchase of an A3-31 planer/thicknesser with the Silent-Power® spiral cutterblock, a N4400 bandsaw from the Hammer range, a FW 950 classic wide-belt sander from the Felder range and a Kappa 400 x-motion sliding table saw from the FORMAT-4 range.

'We have the spiral block, it's absolutely brilliant! I have been woodworking for 30 years and that's one of the best inventions



in a long time. We undertake a great deal of sheet work and it reduces the noise by about 50 per cent,' says workshop manager, Mark Musty.

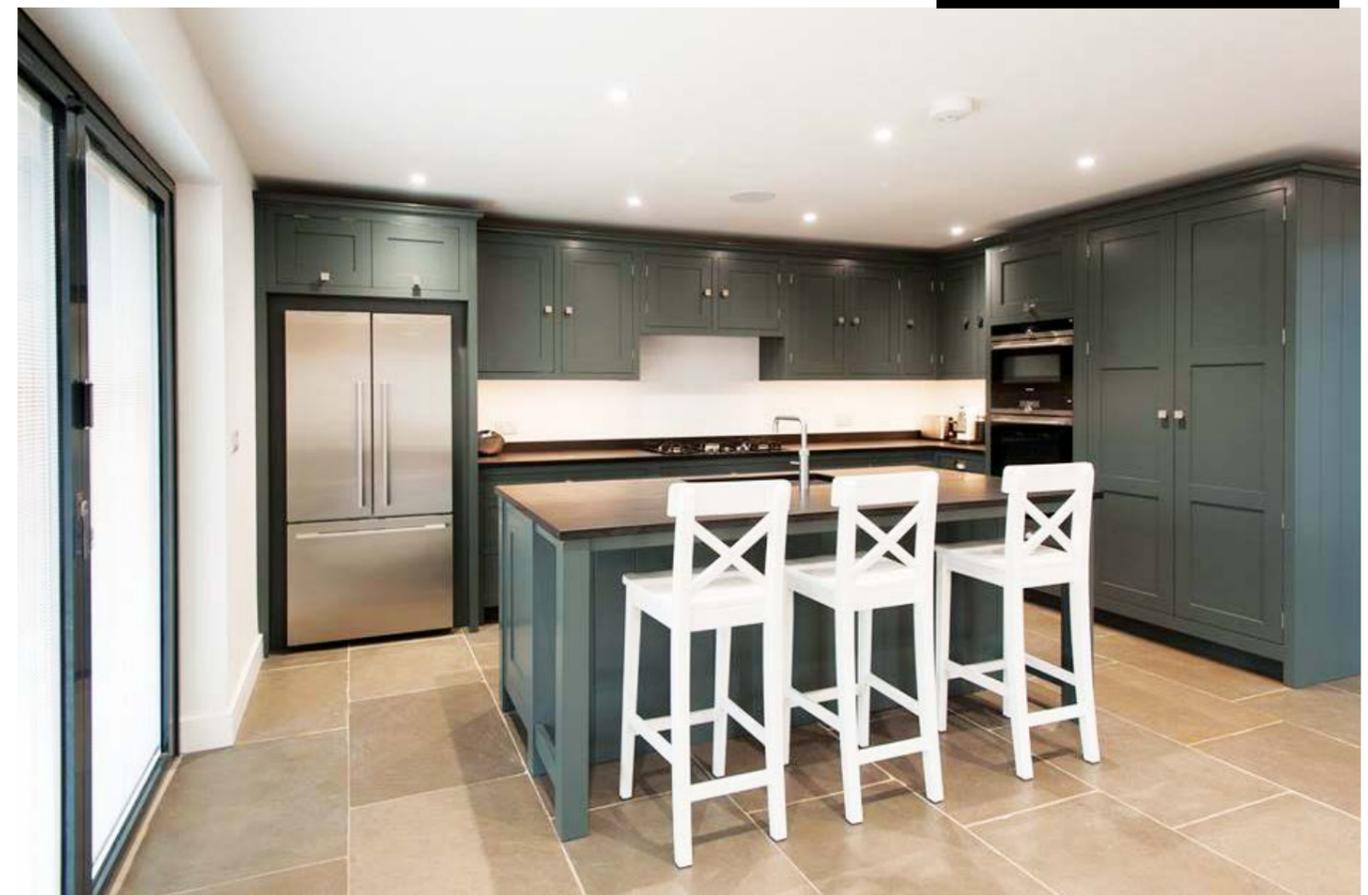
'On average, the sander saves us one week per month in sanding and the pad facility for the finish is absolutely brilliant!' adds Mr Musty.

'The panel saw is more than just repeatability. The fact is that we can

program in every function for our "V" cutters, including all the different size blades,' says Mr Musty.

'These features coupled with the continued great service we have received from Felder have made them the perfect partner for our workshop,' he concludes.

Want to find out more?
Visit www.felder-group.co.uk



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COPING WITH DEMAND AT SHEFFIELD KITCHEN OUTLET



Photographed left, Sheffield Kitchen Outlet managing director, Stuart Hattersley and right, technical director, Dan Hattersley.

IMAGINE if you started a company and managed to plan your resources to perfection. Your vision was realised and the risks associated with a business start-up evaporated as your business thrived. Your marketing and customer service proved your belief that the business model was indeed correct and customers needed your products and services.

COULD IT BE TOO GOOD TO BE TRUE? Managing director of Sheffield Kitchen Outlet, Stuart Hattersley, recalls the company's early days:

'We invested in three panel saws, which were operated by five men. We also had a second-hand edge-bander, which was a bit slow, but it did the job. At first it was ideal, but orders ramped up so fast that, in the end, we couldn't cope with demand,' says Stuart.

'We received a marketing email from Biesse and the timing couldn't have been better. We visited the company's Tech Centre in Daventry for discussions about production methodology and volumes, which were backed up with machine demonstrations.

'We'd always gone down the cut, edge and drill route. Biesse guided us through this process, introducing us to new machinery which included a Selco beam saw with twin pusher, an Akron edge-bander and a Skipper V31 point-to-point drilling machine for the gables,' says Stuart.

'The star of the show is definitely the Selco SK4 beamsaw with its twin pusher. Rather than having the three panel saws with five men, we now have one beam saw with one man and a massive increase in output. We're now processing 50 sheets a day,' says technical director, Dan Hattersley.

'This is great, but for us the most amazing thing is that we're saving £300 a day on waste through the more efficient use of material with Biesse's OptiPlanning software,' adds Dan.

The Akron 1300 edge-bander and Skipper V31 were sound investments, which helped to keep pace with the output from the beam saw and provide an accurate and consistent quality across the manufacturing range.

'One of the other deciding factors in our decision making process was Total Care - Biesse's five-year warranty and service package, which underpins the confidence in the quality of the machines,' concludes Dan.

Want to find out more?
Visit www.biesse.com



According to technical director, Dan Hattersley, the Selco SK4 4300mm x 4400mm beam saw with twin pusher is the "star of the show" at Sheffield Kitchen Outlet.



The Akron 1300 edge-bander at Sheffield Kitchen Outlet helps to keep pace with the output from the beam saw and provides an accurate and consistent quality across the manufacturing range.



GREAT ADVERTISING FOR ANY KITCHEN COMPANY



'End customers like to have the kitchen suppliers name on the side of their drawer boxes.

'It can be seen as mark of quality, showing that the kitchen was hand-crafted. It is also great advertising for the kitchen company, promoting an increase in word of mouth sales leads,' says Daniel.

Probox can engrave a variety of artworks from solid logos to intricate patterns. The artwork should be supplied as a solid black vector file.

The computerised CNC engraving machine offers precision positioning of engraved artwork, allowing large batches of drawer boxes to be produced with complete uniformity. The depth of the engraving can be varied within a design as desired.

Want to find out more? Visit www.proboxdrawers.co.uk

HOW do you enhance drawer boxes with a kitchen furniture maker's branding or logo?

Probox, based near Buckingham is a leading UK supplier of solid timber drawer

boxes, which has installed a CNC machine, which allows clients to have engraved artwork on their drawer boxes.

Other creative options for engraving include labelling

drawer fronts, or box lids with words, such as "bread". 'Engraving is a sought after service with our clients, allowing them to add a point of difference,' says Probox director, Daniel Wells.

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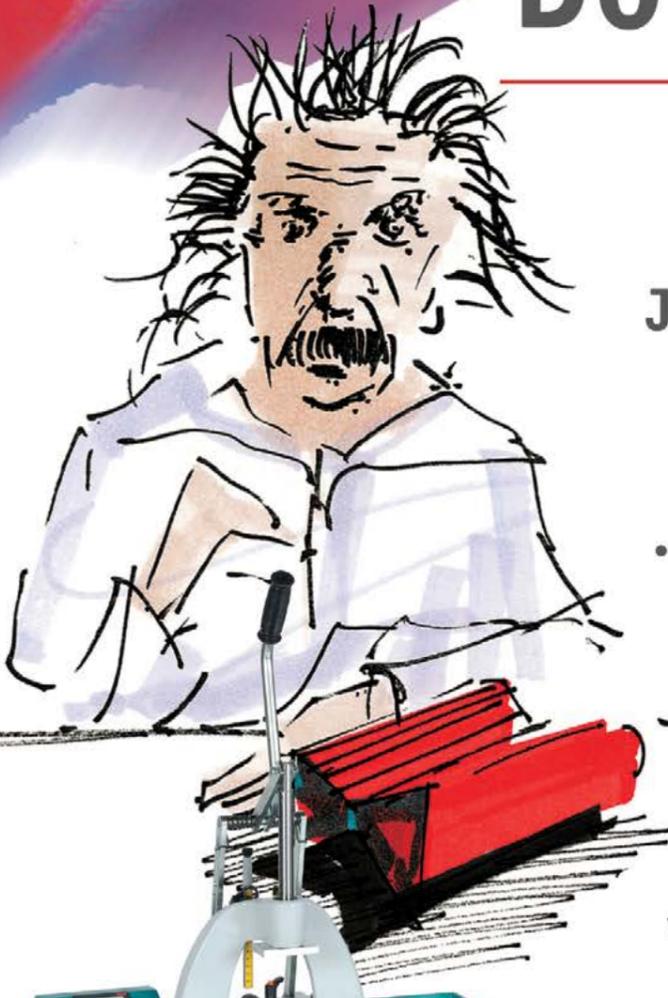
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HI-TECH FEATURES AND A MINIMUM FOOT-PRINT



THE Streamer 1057 edge-bander is the consistent continuation of the successful Streamer series. It offers hi-tech features with a minimum foot-print and concentrates on the significant aspects for high quality edge-banding.

The additional copy cutter unit supplements the performance range and post-formed profiles are also possible. In its class, the Streamer 1057 provides above-average productivity and top features for edge processing.

The Streamer series provides for compact entry into professional edge-banding. The highly flexible glue application using Holz-Her nozzle technology sets new standards for state-of-the-art cabinet making in terms of processing PUR glues, changing colours and unequalled heat-up time of only three minutes.

High quality diamond tipped cutting tools with extremely long service life and chip-optimised evacuation technology are standard features in all Holz-Her machines. High performance post-processing units complete the Streamer edge-banders in the finishing area. A particular highlight on the Streamer series is a compact upgrade package for processing edge thicknesses up to 6mm and workpieces with thickness up to 60mm.

Want to find out more?
Visit www.weinig.com

HIGH QUALITY LINEAR GUIDE TECHNOLOGY



THE new power package in the pressure beam saw family is the Holz-Her Zentrex. Its powerful motors, combined with an advanced linear guide concept, ensure 100 per cent cutting quality. The new Zentrex 6215 demonstrates the highly stable machine construction you expect from Holz-Her with what is claimed to be its unique feature - high quality linear guide technology installed on all axes. Infinite keyway and saw blade

protrusion of 115mm and a fixed main motor with power up to 21 kW qualify this machine to take its place in industrial production. The large, 180mm pre-scoring saw with drive power of 2.2 kW, as well as the electrical fine adjustment, including tool position memory satisfy all requirements. The entire sawing unit can also be equipped with speed control for further applications.

The absolute highlight on the Zentrex 6215 is the newly developed two-stage extraction management system. Cutting plan-controlled extraction flaps in the pressure beam, which open, or close, depending on the length of the cut, increase the extraction capacity at the saw blade, ensuring a clean machine table.

With scratch cuts, a controlled, moving extraction hood behind the saw blade catches chips and dust flying away to the rear during the cutting operation; this helps to ensure a clean support surface for scratch cuts.

For panel sizes, whose length is difficult to differentiate from its width in spite of 3D simulation, the Zentrex 6215 offers a laser positioning system with accuracy down to the millimetre.

The great advantage: the need to re-measure panels, or incorrect positioning in the machine is now a thing of the past. The program-controlled, double lateral pressure system is also a standard feature on the Zentrex 6215.

Want to find out more?
Visit www.weinig.com

WEINIG'S MAJOR INVESTMENT IN HOLZ-HER PRODUCTION FACILITY

THE symbolic ground-breaking ceremony on the Holz-Her production facility in Voitsberg in Austria, signalled the start of an ambitious forward-looking project.

The 22,000 m2 site of the specialist in machines and systems for panel processing is being developed with a 1,000 m2 extension specifically designed for the planned new CNC milling machine for framework processing.

The new hall will exclusively accommodate new and pioneering machine technology for the machining of large steel structural components. Holz-Her's intention is to make its production even more efficient and flexible.

The project was approved by Weinig's Supervisory Board as part of a series of planned investments.

'Our decision is a deliberate response to the growing importance and huge potential of the Business Unit Panel Processing,' says Chairman of the Supervisory Board, Thomas Bach.

Holz-Her has been part of the Weinig Group since 2010. The innovative company can look back on an extremely successful last few years. Turnover has risen by 20 per cent over the past two years alone.

Recently, Holz-Her attracted massive attention at LIGNA with its Nextec technology for furniture production.

As a result of the strong growth, production capacity in Voitsberg has already doubled over the past two years.

The investment of 4.5m euros is part of a group-wide investment package of more than 15 million euro and will secure the future, long-term growth of the company.

In order to reflect the significance of the project for the future of the company, the ground-breaking ceremony was attended by both Weinig's



Supervisory Board, led by chairman, Thomas Bach and Weinig's Management Board, represented by chief executive officer, Wolfgang Pöschl, chief sales and marketing officer, Gregor Baumbusch and chief financial officer, Gerald Schmidt.

Together with Holz-Her managing director, Frank Epple and the managing director of the Voitsberg production facility, Harald Steiner, the start of the construction project was marked with a small ceremony attended by all personnel.

The investment will also have a positive impact on the employment situation at the Holz-Her production site. Currently, 300 personnel are employed in Austria.

Thanks to the further expansion of sales activities, the extension of the product portfolio with regard to CNC processing centres, the development of the saw/storage combination segment, the further evolution of edge-banders for industrial

applications and the extension of the factory, Frank Epple anticipates further requirements for qualified personnel.

'Like the entire Weinig Group, Holz-Her, is on a strong trajectory,' says Wolfgang Pöschl.

Group orders to the end of April showed 17 per cent growth, while revenues rose by as much as 21 per cent.

The Weinig Group is very confident of achieving the order inflow of 471 million euro targeted for 2017.

Owing to the excellent business growth, the group's global personnel will increase to more than 2,100 in 2017.

Want to find out more?
Visit www.weinig.com

A NEW EVOLUTION IN PRECISION EDGE ROUTING



THE Evolution 7405 Connect represents the all round talent in Holz-Her's Evolution family. As is the case with the 7405 4mat, it offers users precision edge routing for all four workpiece edges and the resulting complete formatting.

The Connect version also provides entirely new capabilities, such as machining pockets and grooves, e.g. for P-System connectors from Lamello.

Naturally, you can cut pockets for these (and other) connectors on all four edges, as well as in the X and Y directions. For this purpose Holz-Her has supplemented the Evolution to include an additional seventh tool changer location, as well as a newly developed attachment and the matching programming macro.

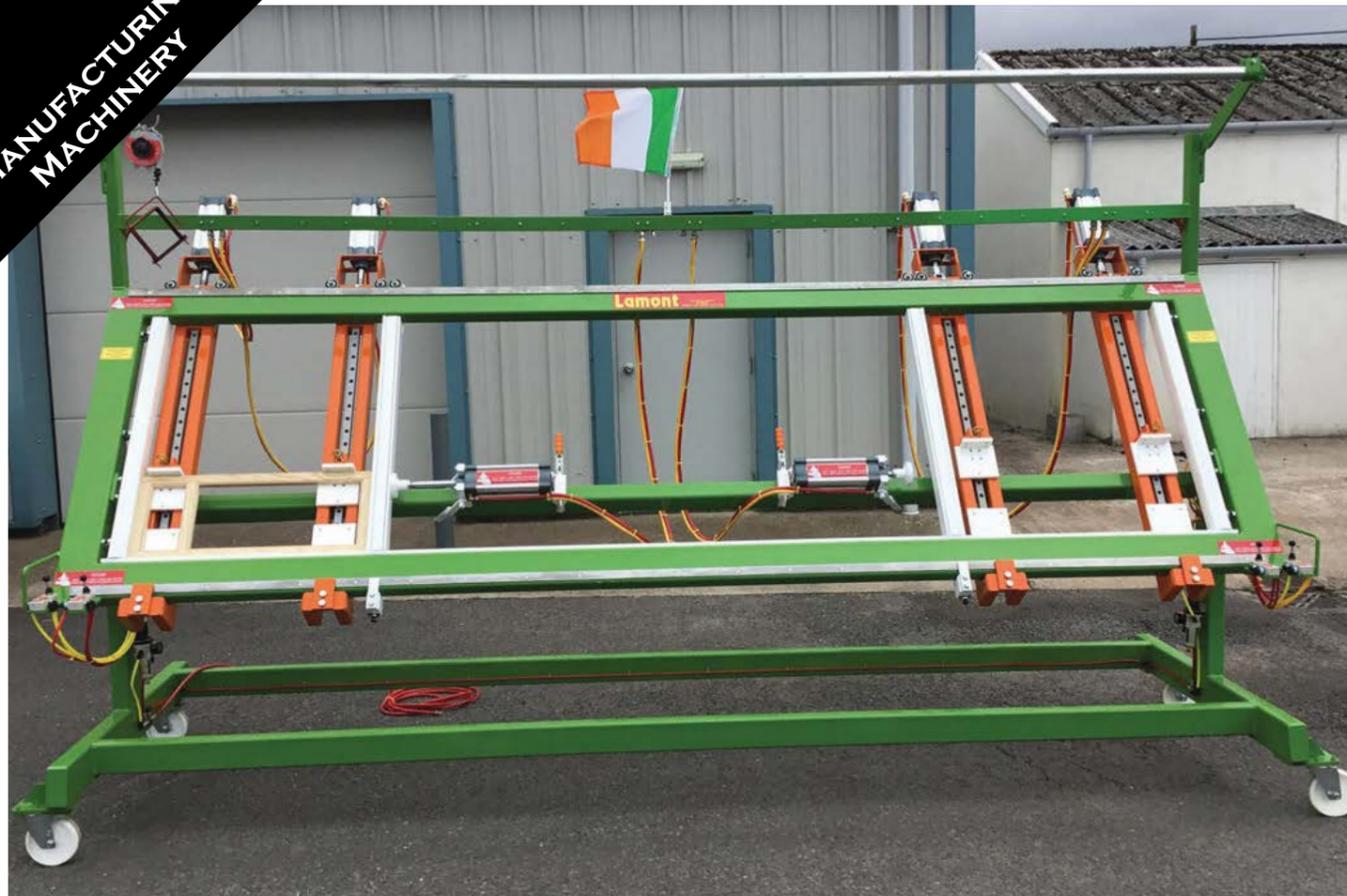
The technical data for the Evolution series speaks for itself: workpieces with a height of

up to 920mm and unlimited length can be processed with the smallest possible space requirements.

Material thicknesses of 8mm to 70 mm make the vertical machining centres from Holz-Her all-round machines for producing everything from drawers to body parts and furniture fronts; in short it offers complete machining of all your products.

Above all, the Evolution 7405 Connect has provisions for arresting the workpiece at the rear, permitting the entire circumference to be machined, including horizontal drilling operations without re-clamping. The solid design of the Evolution series guarantees maximum machining quality.

Want to find out more?
Visit www.weinig.com



A NEW DIMENSION TO SOFT CLOSE DRAWERS



STEPPING UP TO THE MARK

ANDORAS Ltd in Eire manufactures high end, bespoke solid timber kitchens of the highest quality - the majority of which are of hand-built in-frame construction.

The company has recently purchased a bespoke matrix clamp from Lamont.

'Usually the solid frame is 37mm in size and implants directly on to the edge of the carcass. Our production is increasing: we are expanding and there is definitely an upward trend on how many pieces we are creating each week,' explains technical manager, Anthony Douglas.

'The clamps we had previously were not efficient enough to be able to clamp the 600 frames we needed clamped each week,' he continues.

'I had always had it in my head that a peg board system is the way to go: a

matrix of holes where clamps can be fitted would be very versatile in all the sizes we do.

'We do not manufacture stock, or set sizes: a customer can have any height, any width of frame, or door that they wish. We needed as versatile a clamp as possible for these sizes.

'As I went through looking for peg boards, I found Alan Lamont. Where other manufacturers produced boards of set sizes, Alan was able to cater for everything I wanted on size. Although the matrix table is reconditioned, there is no evidence of this: it is practically brand new. I also needed an oversized machine: Alan had one that fitted the bill for me. Originally, it had only operated as a left-hand side machine: I needed to have both sides operational.

'By talking with Alan and him understanding what I needed, he was able to manufacture for me exactly the

shape and size of clamp we required. He was very helpful and the service was very good. He really stepped up to the mark.

'We have only had the table a few weeks and it is definitely paying dividends and increasing production. It has brought speed and efficiency.

'We are using the matrix table to assemble frames and doors: it also has the versatility to glue up solid laminate boards.

'In its simplistic design (in the best sense) and there is very, very little that can go wrong with it: it is very maintenance free! It only uses seven bar air pressure, which is not difficult for any workshop to achieve,' concludes Anthony.

Want to find out more?
Visit www.clampingmachines.co.uk

HETTICH has added a new dimension to the modern kitchen experience with a drawer system, which combines the features of soft close and push-to-open.

Push-to-open Silent is now offered for Hettich's premium ArciTech drawer system. This entirely mechanical solution (no power supply required) is ideally suited to handle-less kitchens.

A gentle push on the front panel is all it takes to open the drawer and another gentle push closes the drawer quietly and smoothly.

Push-to-open systems typically require more forceful closure to override the opening mechanism. However, Hettich's innovative Push-to-open Silent means no more compromise – the opening and closing action for drawers can be

equally convenient and satisfying for the user.

Opening force can be adjusted according to user preference and to allow for different drawer weights. The system is hidden from view under the drawer and can even be retro-fitted with no modification.

'This is such an impactful way to add value to a kitchen,' says Hettich UK marketing manager, Colin Patterson.

'Push-to-open Silent is sure to impress customers in the showroom. It provides a real talking point and represents a great solution for modern handle-less kitchens,' he adds.

Want to find out more? Visit www.hettich.com



HETTICH SETS THE PACE BY ADDING QUADRO DRAWER RUNNERS TO GIVE BASIC CABINETS REAL ADDED VALUE

HETTICH has adapted its renowned Quadro kitchen drawer runner to give more basic cabinetry real added value in terms of performance and appearance.

Quadro can now be used in conjunction with 18mm wood, or fibreboard in applications where KA runners fitted to the side of the drawer box would more typically have been used. For a small uplift in price, manufacturers can offer the superior performance of Quadro, plus the fact that it is concealed under the drawer box.

Quadro features high precision, maintenance-free steel ball bearings and the whole assembly is made from galvanised steel and, therefore,

suitable for rooms exposed to moisture. Its profile geometry makes for high tracking stability and strength. The result is a well-balanced, smooth running action, which is bound to impress end-users.

Quadro also benefits from Hettich's platform concept, providing many options for differentiating furniture using the same drawer and carcass. Choices include partial and full-extension runners, plus Silent System soft close and the innovative synchronised Push-to-open mechanism for handleless furniture.

Want to find out more?
Visit www.hettich.com

HETTICH - RE-DEFINING DRAWER SYSTEMS

WITH its straight lines, clean contours, colour choices and versatile interior organisation, Hettich's new InnoTech Atira drawer system brings contemporary style and individuality to kitchen furniture technology.

InnoTech Atira combines attractive options for differentiation with high cost efficiency, thanks to its platform concept.

Various side elements are offered, such as railing, TopSide, which goes under the railing, or the full DesignSide.

With choices of colour, rear panel width and guides, there is a flexible and simple route to achieving a huge variety of individual solutions. Easy upgrades from railing to TopSide or DesignSide do not affect drilling positions on the front panel, giving complete



Want to find out more?
Visit www.hettich.com

THE DRAWER SYSTEM OF CHOICE FOR KITCHEN DESIGNER

WITH a choice of materials, drawer side designs and numerous formats, Hettich's InnoTech has proved to be the drawer system of choice for kitchen designers who prioritise individuality for their customers.

Thanks to rigorously tested stainless-steel ball bearing runners, up to 70kg load capacity and German build values, the quality of InnoTech is a given, while push-to-open, or Easys electro-mechanical opening and integrated soft-close features ensure ease-of-use.

However, it is the options available that really set the system apart. InnoTech can be specified in a white, silver, or the increasingly popular anthracite finish.

TopSides and DesignSides are powerful, yet simple design options for drawers for pots and pans.

TopSides in steel, plastic, or glass are simply clipped in between the railing and the frame, adding stylish storage space inside the drawer, whereas a totally bespoke look can be created by using DesignSide instead of a railing.

With partial or full-extension runners, InnoTech comes in a standard 470mm drawer depth to make the most of UK cabinet sizes, but different depths are available for bedroom and bathroom applications.

'This is German engineering for the kitchen at its best,' says Hettich UK managing director, Tim Leedham.

'The details and quality behind the cabinet fascia are becoming increasingly important in kitchen specification and, with this in mind, InnoTech is a fantastic sales tool,' he adds.

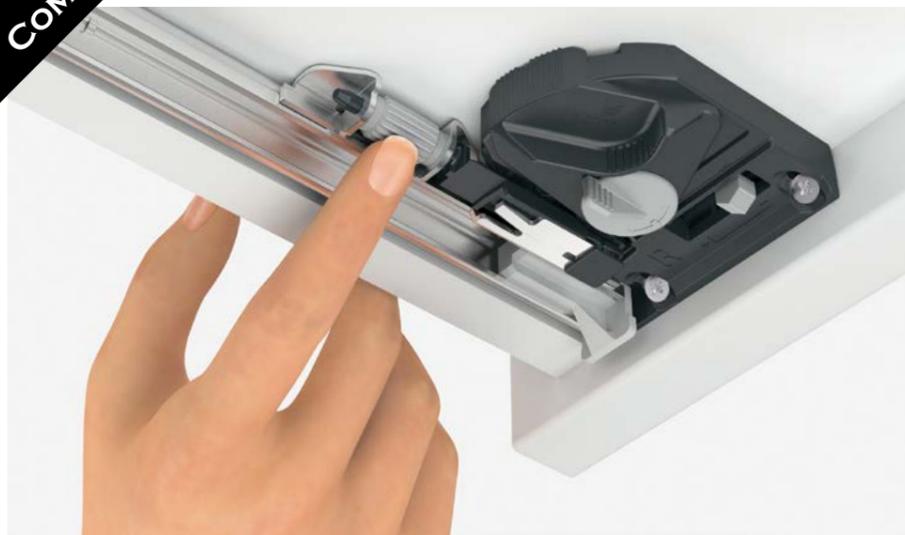
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ALIGNED TO PERFECTION



SHARPLY-defined, even gaps between drawers is the mark of quality cabinetry and Hettich's new Quadro 4D full-extension drawer runner is the ideal way to achieve this visual perfection.

With quick and easy tool-less adjustment in four dimensions – horizontal, vertical, depth and tilt – Quadro 4D provides an efficient route to dependable and accurate alignment.

Building on the Quadro range's renowned stability and durability, Quadro 4D requires no drilling in the rear panel and is

completely interchangeable with the existing Quadro V6 from a fitting point of view.

With slide-on assembly and quick-release, Quadro's ease of installation belies its sophistication. Its design even removes the need for a door damper: Simply minimise the drawer front gap without letting the front panel contact the carcass.

Want to find out more?
Visit www.hettich.com

HINGES WITH FUNCTIONAL ADVANTAGES

THE new thick-door and wide-angle variants of Hettich's Sensys hinges offer visible and functional advantages for kitchen fitters.

Both can be specified with Silent System. The thick-door and wide angle hinges allow all the Sensys benefits on doors up to 32 mm thick, but achieve this with a mere 1.9mm gap between doors. The new wide-angle Sensys allows the cabinet door to open to 165 deg, making access much easier. Unique to Hettich is that full access to the cabinet can be achieved at 95 deg opening, so internal drawers can be accessed without opening the door to its full extent.



Want to find out more?
Visit www.hettich.com

PANEL PRODUCTION

NORBORD - STILL IN GROWING DEMAND

THE UK market for wooden panel products is dominated by the construction industry, which uses all varieties of panel products for structural, aesthetic and fitting-out purposes.

However, the second most important market for panel producers is furniture - and particularly kitchen furniture.

The growth of flat-pack DIY products during the latter part of the 20th century created a demand for both particleboard and MDF which continues to grow strongly.

Its consistent and reliable physical characteristics and the ease with which it can be machined also lend MDF to manufacturing and it is used widely in the manufacturing sector for carcassing and framing.

Norbord produced the world's first MDF (in 1966 at its factory in New York State) and in 1979 its Cowie factory became the first to produce MDF in the UK.

Today, the company manufactures a full range of MDF products for a variety of applications, including light and standard grades and moisture-resistant versions.

While the furniture industry is an important consumer of all types of wooden product, the bulk of its production relies on sheet materials and, in particular, products such as Norbord's CaberWood MDF.

According to the Wood Panel Products Federation, the UK furniture industry consumes around 28 per cent of all domestically-produced wood panel products.

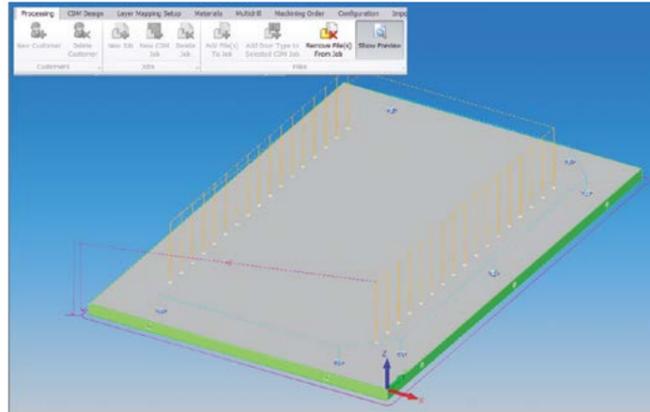
The industry is especially important for MDF producers, half of whose total production is consumed by furniture manufacturers - a large proportion of them being kitchen furniture manufacturers.

Norbord is one of the world's leading manufacturers of engineered wood-based panel products. All products are FSC®-certified and used extensively in kitchen furniture sector.

Want to find out more?
Visit www.norbord.com



NEW AUTOMATION AND NESTING FUNCTIONS



THE 2018 R1 release of Alphasoft, from Vero Software, includes considerable enhancements to the automation and nesting functions.

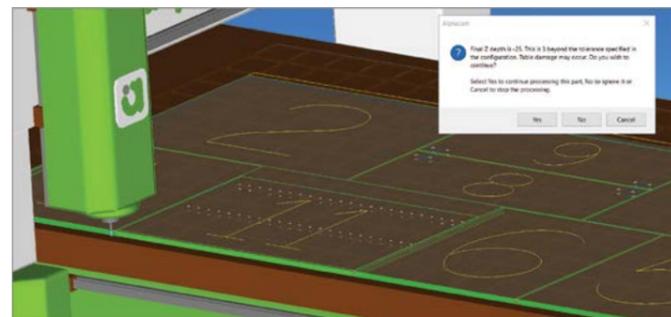
There is now the ability in Automation Manager to have a connection between "parent-child" parts, as job files can now be added to another job file as a sub-component.

This enhances the management of parts that should be manufactured in groups. The sub-components have similar properties to the main components, such as layer mapping, along with material and nesting properties.

Alphasoft product owner, Felipe Ferrary says that the sub-components will be loaded automatically with the main "parent" component.

"When creating jobs, users can easily add files to a job and, as all sub-component parts will be loaded automatically, it improves ease of use and productivity," says Felipe.

In Automation Manager, drawings and fittings can also now be added to specified datum points. When processing a job, the fittings will automatically be inserted at a pre-defined position and can also be used in parametric drawings.



Alphasoft also contains a small sample library of fitting types.

Felipe says that this new item of functionality allows parametric, or constrained parts that require inserted fittings to be easily created.

In addition, there is a new option in Automation Manager to avoid machine table collisions, with the ability to check Z levels on tool-paths.

The new Tolerance Collision Check can be selected from the Machine Table Collision Method drop-down list and a Z-level tolerance and material Z0 specified...for example, at the top, or bottom of the part. Users will be warned if any tool-paths cutting deeper than the material thickness, plus the tolerance are detected.

Another enhancement to the Automation Manager in Alphasoft 2018 R1 is being able to preview job files and sub-components without having to process the job, thus speeding up productivity.

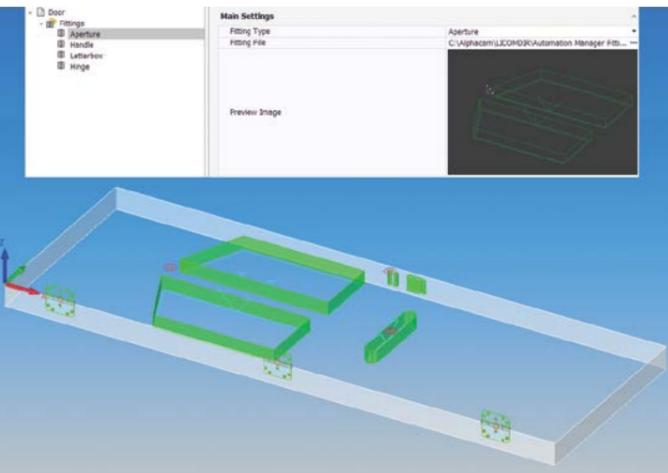
Users can also access 13 additional nesting extension options. Nesting itself has an important new feature, allowing the nesting engine to automatically use the best available user-selected sheets.

"Previously, the sheets would be used in the order picked and, therefore, the nest wasn't always optimised for best sheet usage," explains Felipe Ferrary.

"However, now users can select multiple sheets and the nesting function automatically picks the best combination, which can significantly reduce material usage," adds Felipe.

Following customer requests, the TimeStudy function has now been re-instated as a 64-bit Addin, giving users their total machining time in a few seconds without any special settings, or configuring reports.

TimeStudy is a quick and easy way to report machining time,



taking into account the units, Machine Tool Rapid Rate, Tool Change Time, Part Load/Unload Time and efficiency rate. It also displays the time specified to each operation, as well as the total machining time.

A new Geometry option creates the minimum 3D bounding rectangle to enclose solids and surfaces. The box can be aligned using feature extraction settings and also defined by material. Additional stock can be specified in any of the bounding box faces.

The new function means that users can easily define the minimum amount of material needed to machine a solid, or surface and define the work volume required.

The Cylindrical Parallel strategy for 3D machining has been improved to give easier control over the start/end Angles and CW/CCW direction.

The start angle can be less, or greater than the end angle and the CW checkbox now dynamically updates the on-screen cutting area, providing graphical feed-back on the area to be cut and the tool's starting position.

"This simplifies tool-path creation by letting the user specify any combination of angles and gives an appropriate graphical feedback on the machining area," concludes Felipe.

LATHES

Two items of enhanced functionality which are specifically designed for Alphasoft's Lathe module are an update to machining dialogs and new cycles added to

C/L Drilling and Tapping. On the machining dialogs update, turning dialogs now use the new machining dialogs style.

Following the improvement in the milling C-Axis machining dialogs, the turning dialogs have all been updated and modernised, containing images and tool tips, which improve ease of use. In addition, with the C/L Drilling and Tapping, the commands have been combined and a new cycle added, for pecking, boring and chamfering.

This brings the centre line drilling functionality close to matching the C-Y Axis drilling functions and means that all drilling options are available which, previously, could only be used in C-Axis and C/L drilling.

Want to find out more?
Visit www.alphasoft.com

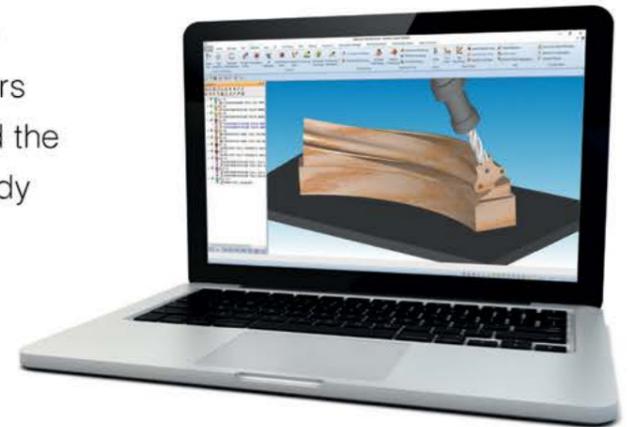


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THE WORLD'S #1

WOODWORKING CAM SOFTWARE

Alphasoft Router is an easy-to-use CAD/CAM solution for manufacturers wanting fast, efficient toolpaths and the generation of reliable, machine ready CNC code.



www.alphasoft.com

vero
Software

ALPHACAM - ENSURING PERFECT AESTHETICS AND EASE OF ASSEMBLY AT ERCOL

THE Ercol brand of high quality, solid hardwood products includes tables and chairs, which are to be found in kitchens and dining rooms throughout the country.

Ercol was founded in 1920, originally based in High Wycombe, before moving to the current 160,000ft², purpose-built factory and showroom in nearby Princes Risborough in 2002.

After taking their first steps in five-axis machining, the high-end, top quality furniture manufacturer quickly realised that it was their best way forward and also invested in a machine with two five-axis heads, which is the first one of its kind in the UK. Having used eight older CMS three-axis single and twin table machines for a number of years, Ercol Furniture researched how technology could help them react to customers' requirements quicker.

Roy Graves, who manages operations which support the entire factory, looked specifically at machining and CNC programming and opted for the Alphacam solution from Vero Software.

'Once we'd decided to go down the five-axis route, we knew that we'd need a software that could optimise our machine so we could meet ever shortening lead times,' says Mr Graves.

'We particularly liked the Alphacam technology and what we could do with it

and how we could manipulate tool-paths effectively with it,' he adds. Mr Graves says that after setting up a powerful CMS Ares machine, there was "a lot of trepidation" about driving the five-axis simultaneously, but they quickly discovered how easily Alphacam produced the complex tool paths.

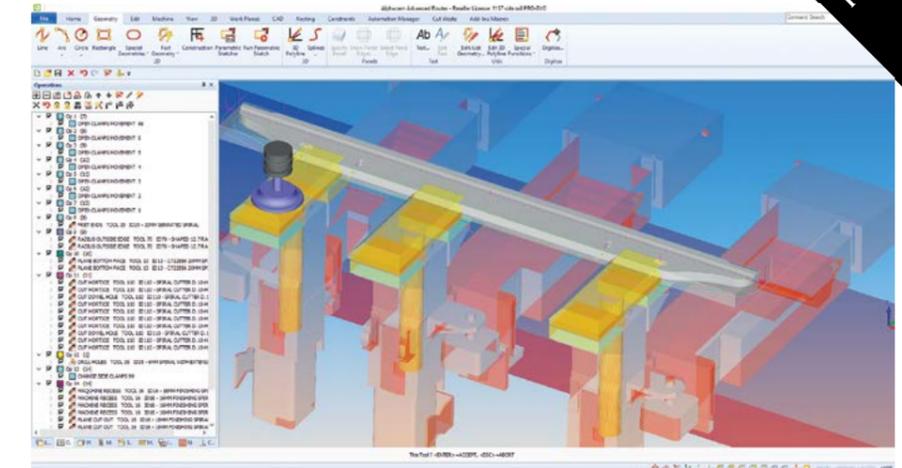
'It meant that we saw immediate benefits in what we were able to machine. The accuracy of driving it into different work planes and simulating the full five-axis cutting cycle was so simple and meant we developed our processes, improving considerably on the three-axis methods we were using previously,' he adds.

Alphacam is now used to produce all the parts which make up Ercol furniture to a very high tolerance, ensuring perfect aesthetics and ease of assembly.

'It's extremely important to be able to guarantee the correct location of individual sticks, legs, backrests and rails, so that they meet other components at the right place and at the right angle,' says Mr Graves.

Following their success with the Ares, they have now invested in a CMS Pro Evolution machine with two five-axis heads – the first one of its kind in the UK.

'It's based on a rail module system, which takes the components into the machining centre, carries out the first part of the machining and then exchanges them on the rail displaying the other side for the



'Previously, I was a setter, just loading and operating the three-axis machines.

Now, I've been trained in programming with Alphacam and I have much more input in creating the individual pieces that are assembled together to make the finished furniture,' he adds.

The components are designed in SolidWorks.

Once he has imported the CAD file into Alphacam, Kieran Gunn creates a bounding box, so that he knows the full dimensions of the part.

'I add extra stock, so I know the size of the blank pieces of rail I'm going to put into the machine. Then I reposition the model and assign the material.

After that, I put it into reference points in Alphacam where it'll be loaded into the machine,' says Mr Gunn.

He finds Alphacam's solid feature extraction function especially useful for taking a face and projecting the edges to the work plane.

'I use work planes regularly for the different sides of the part – and machining styles are also useful to help me work quicker and use similar tool-paths and styles, particularly for mortice and tenon joints,' explains Mr Gunn.

Kieran Gunn describes the software as "extremely flexible," allowing different working styles for individuals.

'There are many ways of achieving the same result. I might work on a part in a certain way and someone else may use a different method to achieve it,' he explains.

This is a point echoed by Kevin Dover, who programs the CMS Ares and assists on the Pro Evolution. He, too was a machine setter before Ercol Furniture began their five-axis journey with Alphacam and the Ares in 2015.

Now he mainly programs seat frames, along with a number of components from the bending shop, such as arms and back

rails for stacking chairs, which he says require more complex programs.

He imports the SolidWorks file into Alphacam, uses the feature extraction function to finalise geometry parameters and assigns tools before outputting the post.

'Whether I'm programming for the Ares or the Pro Evolution, Alphacam's versatility means it communicates successfully with different types of machines,' says Mr Dover.

'Using Alphacam with the Ares and Pro Evolution gives us much faster cycle times. We can now start to look at reducing our batch sizes and get down to single batch production,' says Mr Gunn.

'We're typically looking to use the improved machining process to change our production methods further downstream on the shop floor. That will enable us to load the factory more often, with the result that we can respond quicker, improving our customer turnaround times even more,' he concludes.

Want to find out more?
Visit www.alphacam.com



Left to right, Roy Graves, Kieran Gunn and Kevin Dover.

VERO SOFTWARE RESTRUCTURING MARKET-LEADING BRANDS

VERO Software has restructured the EMEA management of two of its market-leading brands, Alphacam and Cabinet Vision.

Following Richard Chappell's appointment as global director of the two brands last year, Michael Pettit becomes EMEA sales manager for them both and Marie Cassidy EMEA support and services manager, also for both.

Previously, Michael Pettit was EMEA sales manager just for Alphacam, with Marie Cassidy Cabinet Vision's UK business manager.

'Around 20 per cent of Cabinet Vision customers in the UK also use Alphacam for different parts of their woodworking operations and

as there's a significant amount of synergy between the brands, it makes perfect sense to bring them together in this way,' says Michael Pettit.

While his primary focus will now be driving Cabinet Vision and Alphacam direct sales in the UK, he is also responsible for the powerful network of Alphacam resellers across the EMEA region. Christian Poupin will continue to be responsible for the growing Cabinet Vision reseller network throughout Europe and Asia. Marie Cassidy will manage both brands' support and technical teams.

'I've been managing support and services for Cabinet Vision for several years and am now aiming to bring my expertise to the Alphacam brand as well,'

says Marie Cassidy.

'I'm extremely excited about the positive impacts Michael and Marie can make in their new roles,' says Richard Chappell.

'This move means Vero's expanding customer base in

the woodworking industry will experience a consistent service across all their needs, from initial sales, through training, to ongoing technical support,' he concludes.

Want to find out more?
Visit www.verosoftware.com



CABINET VISION WILL SAVE YOU TIME AND LABOUR

A HIGH-END interior design and furniture company proclaims that Cabinet Vision software plays a vital role in the company's recently introduced automate manufacturing process, contributing to the company's growth.

Langstaff-Ellis describes itself as a "full design and manufacture house," splitting its work around 50:50 between end-user clients and a range of designers, architects and developers, handling concept and design through to the installation of bespoke carpentry for a full home interior.

Managing director, Ed Birks says that they work in a substantial number of high end residential and commercial properties, creating everything from kitchens, wine rooms, libraries and dressing rooms, catering for a range of styles, including ultra-modern minimalistic and a more ornate look.

The company, which has been in business around eight years, began investing in CNC machinery and software in 2016.

'We felt that there was a huge amount of ground to be gained by automating the processes. Our Homag beam saw and drilling and routing centre came first, but we found that programming each individual pattern was taking several days for a large project, so we brought Cabinet Vision in to overcome that,' says Mr Birks.

The original 3D models are designed in SketchUp. Once the files are imported into Cabinet Vision, the specialist woodworking software then produces the component list for everything that needs to be manufactured.

'Cabinet Vision creates all the CNC files for our flat panel material and carcasses, internal components and drawer boxes, along with worktops where necessary and cut-lists for all the solid wood components,' explains Mr Birks.

He says that their biggest challenge in the past has been the amount of time and labour required to produce technical drawings and CNC files, together with the associated risk of human error.

'Cabinet Vision now produces all our technical drawings in half the time and as the sales team also use it, our technical design costs have reduced significantly,' says Mr Birks.

The Cabinet Vision journey for each project begins after the quotation and specification.

'By that time we already have the agreed materials and style, so the technical design department inputs the material data and hardware schedules...essentially setting up a job file, ensuring that every element for the next stage has been imported,' says Mr Birks.

The sales designers then produce a complete set of designs, which Ed Birks says are all fully technical, including hardware.

'This means that only marginal tweaks are ever required when they go back to the technical design team ahead of a final check before going into production. From the point of sign-off, layouts and technical drawings are produced for the workshop and Cabinet Vision's Screen-To-Machine module is used to transfer the NC code to the machine tools,' he adds.

Langstaff-Ellis works closely with a company called "Cutlist", which is located in the same building at Chinnor in Oxfordshire and whose managing director is Ed Birks's business partner, Alex Langstaff-Ellis.

Cutlist provides a cutting and edging service, supplying cut-to-size panels and edge-banding for the woodworking,

interior and furniture industries shipping throughout the UK.

'The partnership began when Langstaff-Ellis had expanded to the point that it needed to increase output without larger premises, or additional staff,' says Ed Birks.

'Cutlist was created to serve this demand and is now a thriving business in its own right, working with carpenters, joiners, cabinet makers, interior designers, builders and developers,' says Mr Birks.

Langstaff-Ellis optimise all their projects in Cabinet Vision and send the cut file through to Cutlist, which then re-optimises the file before forwarding it to the Homag beam saw.

'Langstaff-Ellis is currently developing a CNC flat pack service whereby clients can submit a design of their own and we'll will input this data into Cabinet Vision, finalise the technical design and then machine the panel components for the project using their CNC router. This means that the client can receive a bespoke flat-pack kit for their project,' explains Mr Birks.

'Cabinet Vision brings all aspects of our operation together and means that we can produce our CNC files quickly and accurately,' concludes Mr Birks.

Want to find out more?
Visit www.cabinetvision.com



SPEEDING UP KITCHEN ASSEMBLY

OVVO connectors incorporate a unique dovetail design to impart increased strength to the joint created and retains the revolutionary "Push<Click>Connect" concept that has been widely acclaimed within the kitchen manufacturing industry.

The new smaller connector greatly extends the range of materials, industries and applications in which OVVO® can be used and will amplify the scale of efficiencies that kitchen manufacturers will achieve when OVVO® is incorporated into their production/manufacturing processes.

The new V-0930 connector has a smaller profile than the original connector and significantly extends the range of substrates in which OVVO® can be used.

It works best in high-grade board with a thickness of 12mm and above and can also work in slightly thinner materials that are more dense, such as high pressure laminates, composite material and solid wood for certain applications.

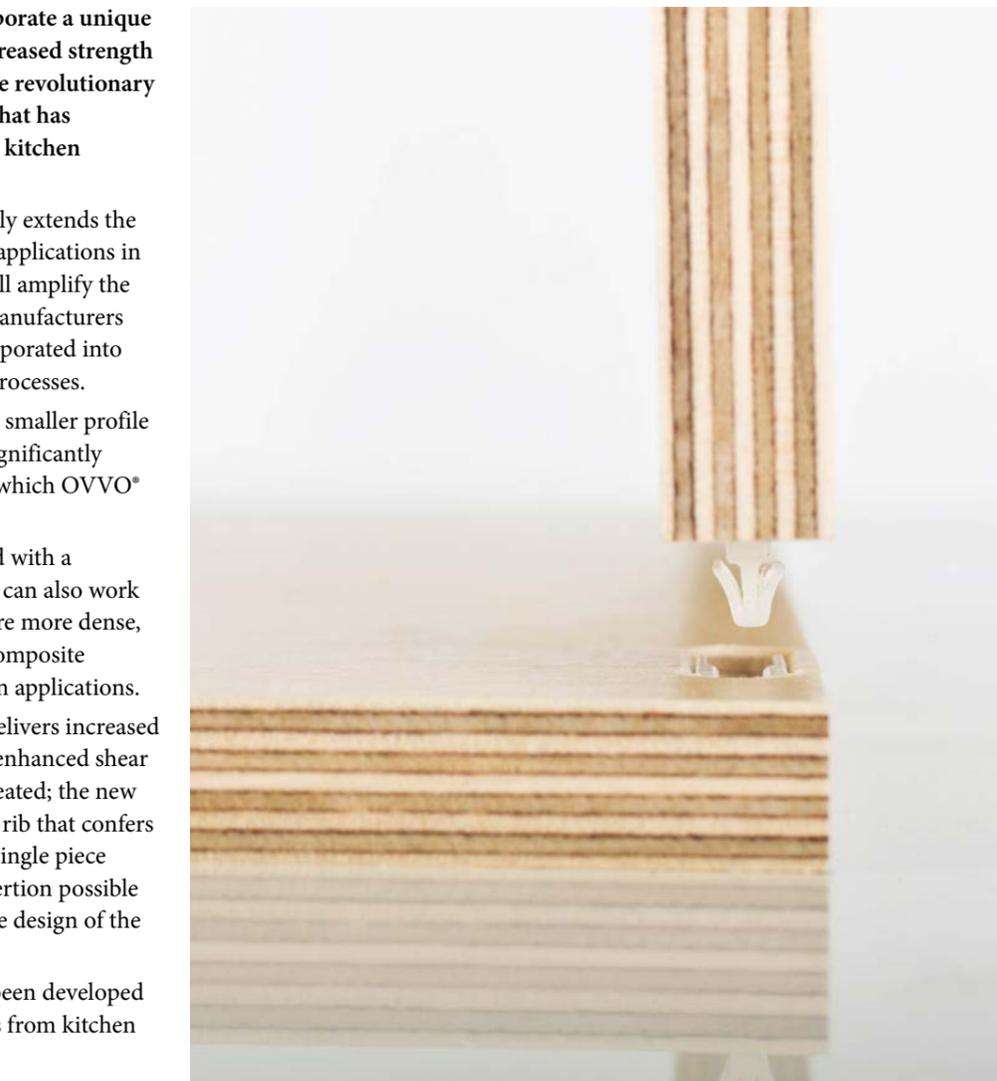
The innovative dovetail design delivers increased intrinsic tolerance which leads to enhanced shear and tensile strength of the joint created; the new design also features a solid central rib that confers increased joint rigidity. The new single piece housing also makes automatic insertion possible – a significant enhancement on the design of the original connector.

The new smaller connector has been developed specifically in response to requests from kitchen manufacturers

Each connection set is used with its own bespoke OVVO cutter for CNC compatibility and all OVVO connection sets are designed to work in conjunction with the OVVO hand tool (AB181) and the OVVO End Milling Bench Machine (SOP1).

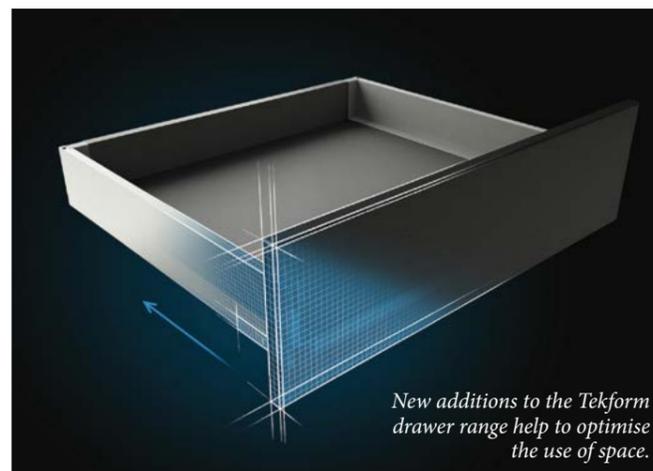
'We are excited to bring to market our truly disruptive connection system in a new smaller size that widens the range of applications to which OVVO® can bring a unique set of design possibilities and production efficiencies,' says OVVO® inventor, Sean Phillips.

Want to find out more?
Visit www.ovvotech.com



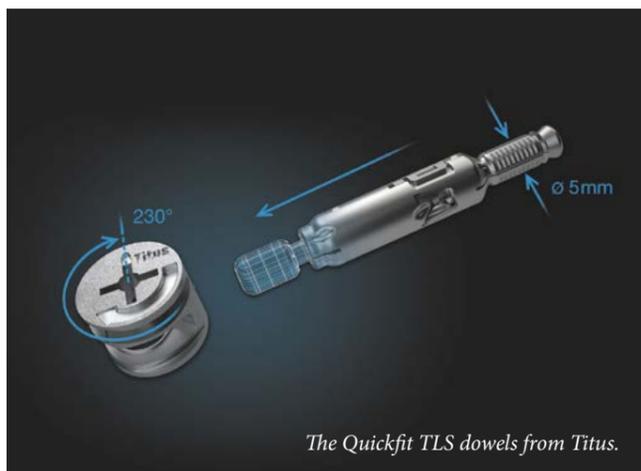
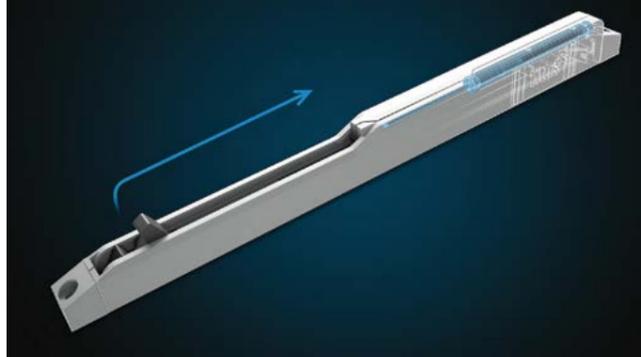
SPEEDING UP KITCHEN ASSEMBLY

The Quickfit TL5 Full Metal Jacket dowels offering tool-free insertion were introduced at kbb.



New additions to the Tekform drawer range help to optimise the use of space.

Titusoft is a damping system for drawers, allowing for simple, fast and precise mounting.



The Quickfit TLS dowels from Titus.

CABINET hardware expert, Titus made a big impact at the kbb show in Birmingham in March by highlighted its pre-inserted Fastfit solutions, which simplify and speed up the assembly of kitchen furniture both on site and in the home, as well as showing its versatile multi-purpose dampers and previewing its wall hanging brackets.

Titus also launched no fewer than three pioneering products: the new-generation T-type hinges, which provide the soft closing action preferred by end users, Quickfit TL5 high-performance dowels with enhanced pull-out resistance and new additions to the Tekform drawer range, which optimise the use of space.

Experts from Titus were available on the stand to give advice and guidance relating

to visitors' specific assembly requirements and to discuss the Titus Consumer Assembly Friendliness (CAF) service, which evaluates ready-to-assemble furniture and advises on improvements that will make it truly ready for assembly rather than just being another piece of flat-pack furniture.

The new T-type hinges only require a shallow hinge cup, making them suitable for use with doors with thicknesses ranging from 15mm to 26mm. Their ConfidentClose feature with adjustable damping means that they offer fast closing with late deceleration and quiet landing. They are exceptionally tolerant of misalignment and their unique three-way snap-on mounting plate greatly simplifies installation, especially with tall doors that

require four or five hinges.

The Quickfit TL5 Full Metal Jacket dowels offer tool-free insertion and incorporate an expanding sleeve. This ensures reliable engagement in 5mm dowel holes.

The popular range of Tekform double-wall drawers has been extended with new slimline versions. They feature a sleek and visually appealing design and incorporate hydraulic dampers to ensure a reliable and consistent soft closing action.

Stand visitors were able to discover more about the company's reliable, trusted and cost-effective Fastfit pre-inserted solutions, which utilise existing manufacturing techniques.

These solutions are universally recognised as

saving up to 50 per cent on cabinet assembly time, as they reduce the number of parts needed and the number of assembly steps.

The multi-purpose dampers showcased on the Titus stand combine compact construction with outstanding durability and can be customised to suit specific applications.

Titus also chose kbb 18 to preview its new wall hanging brackets, which provide a safe, convenient and dependable way of securing cabinets to a wall. Safety features include an anti-derailing lock, fail-proof adjustment with a positive stop and a depth adjustment screw, which is riveted to prevent it being fully unscrewed.

Want to find out more?
Visit www.titusplus.com

FINALLY NO MORE FIDDLY FITTING



KITCHEN manufacturers have been long overdue a "professional" fixing. Now it is finally available in the form of Space-Plug - the new patented fixing, which is currently taking the KBB market by storm!

Installers have benefitted from telescopic adjustment at the bottom of the unit for over 25 years. They have also been hassled by stretcher pads that are fiddly to fit, allow little adjustment, little room for manoeuvre, can look shoddy during a fit and which become quite inaccessible post fit.

Now you can save 10 per cent on materials and, at the same time, make your units "flush-back".

Space-Plug not only inherits all the benefits of the adjustable leg, but also provides the perfect mechanism to tie them back.

It also provides longitudinal adjustment, lateral freedom and a fast, professional fix in a comfortable work space that always remains accessible in case of any unforeseen occurrences.

This robust little spacer allows the unit to be fitted in a totally professional manner, availing the fitter of a fast and flexible fit that never requires a packer, a scribe, or an on-site modification around a service.

It creates a service void that finally is actually a true void and not simply a gap full of gables. It never throws a curve ball, is always 100 per cent accurate and always involves the simplest of processes to install. Indeed, it is a genuine "no brainer", for the kitchen professional.

Want to find out more?
Visit www.space-plug.com

AN INVISIBLE ADVANTAGE FOR KITCHEN FITTERS

OVVO, the creator of the innovative, award-winning, invisible connection system, has launched another new product in the "V" range, in direct response to industry requirements, especially from kitchen fitters.

The new connector - the V-1230 - incorporates all the features of the award winning V-0930 in a format that is ideally suited to high grade chipboard of 15mm, 16mm and 18mm thickness. It is also available in both permanent and releasable versions.

The new V-1230 connector has a deeper profile than the V-0930 connector and significantly increases the holding strength delivered in chipboard materials, in which OVVO® can be used to deliver an invisible connection.

It is compatible with leading high-end materials, such as high pressure laminates, composite material and solid woods.

The innovative dovetail design featured in the V-0930 connector is retained and delivers increased

intrinsic tolerance, which leads to enhanced shear and tensile strength of the joint created; the new connector also features a solid central rib, which confers increased joint rigidity.

The single piece housing makes automatic insertion possible. The team at OVVO® has worked tirelessly with industry partners to ensure that the new connector is compatible with benchmark industry equipment - specifically with leading CNC equipment suppliers and software vendors to ensure ease of



adoption, leading to fully integrated manufacturing processes.

Each connection set is used with its own bespoke OVVO cutter for CNC compatibility.

All OVVO connection sets are designed to work in conjunction with the OVVO hand tool (AB181), developed in conjunction with Virutex.

This invisible, tool-free connection system not only time and money, but also provides customers with a differentiated product, which allows them to develop a significant competitive advantage.

'We are truly excited to extend the award-winning V-range and bring the bigger connector to market that widens the range and scale of applications to which OVVO® can bring a unique set of design possibilities and production efficiencies,' says OVVO managing director, Brendan Phillips.

Want to find out more?
Visit www.ovvotech.com

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TAKE THE **BA** VIRTUAL FACTORY TOUR. 

TAKE A VIRTUAL FACTORY TOUR WITH BA COMPONENTS

KITCHEN manufacturing brands often talk about the quality of their manufacturing in their marketing and BA Components are no exception.

However, talking and doing are two different things, so they wanted to showcase their quality manufacturing to the world, regardless of location. But how have they done so?

BA Components have gone all out on bringing the production process to the fore by investing in an immersive virtual tour experience that can put anyone deep inside their factory at the click of a button.

BA Components' virtual tour is literally the next best thing to being on their factory floor. This high definition, fully 360 tour offers viewers a complete interactive experience by clicking on embedded video at each stage of the kitchen door manufacturing process.

'We wanted to showcase our business in a very different and unique way by creating a virtual factory tour of our modern manufacturing facility. We planned to put our audience at the heart of the action and this technology certainly does that,' says sales and marketing director, David Caulfield.

The BA virtual factory tour can be viewed on all smart devices, IOS or Android based, tablets, desktops and

even personalised BA Components VR headsets.

'Our virtual factory tour not only gives our customers confidence in purchasing BA products, but also allows them the chance of opening the doors to where the magic happens from the convenience of their office or home,' continues Mr Caulfield.

In a world full of pop-ups, video skimming and short attention spans, this is a huge win for BA Components as a very valuable medium for fully immersive brand engagement.

Want to find out more?
Visit www.bacomponents.co.uk/vr and click the tour button at the top of the homepage.



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DISPOSING OF THE DUST

LEICESTERSHIRE KITCHEN MANUFACTURER LEADS THE WAY IN DEALING WITH THE DUST

DISPOSING OF THE DUST



DUSTRACTION has installed a new dust management system at the factory of busy kitchen manufacturer, East Coast Fittings in Leicestershire.

The specified system is based on Dustraction's X5 CycloFilter, which will be dealing with production waste from a range of top German manufacturing legends, including Weeke and Homag and will also accommodate the needs of any future increases in production margins.

The chief advantage of Dustraction's cyclo filtration system is the virtual absence of moving parts and, therefore, of future maintenance needs.

The new Dustrax X5 Cyclo is designed to handle an air volume requirement at East Coast Fittings in excess of 32m³ of waste for every hour of manufacturing time and to return clean air fit to breathe to the working environment at the factory. Dustraction's cyclo filter is the latest state-of-the-art technology.

The filter is of hugely robust construction, having been fabricated in 3mm thick steel plate to last a virtual working life-time.

Competitive equipment currently on the market is more usually manufactured in lighter weight and, therefore, much less robust materials.

The new cyclo filter at East Coast Fittings will run

24 hours/day, with no further need of maintenance.

Dustraction has many examples of Dustrax systems running in the UK on materials, such as MDF and chipboard.

The cyclo filters are fully guaranteed for 6,000 hours, or for three years and many installations are operating currently for comfortably upwards of 30,000 hours on their existing filter bags.

One installation at SAM Mouldings in Antrim manufactures MDF mouldings and produces 1500kg of waste/hr, all being handled by a Dustraction cyclo filter.

Waste is tangentially blown into the filter chamber and 95 per cent of the material is cyclonically separated before even reaching the filter media.

Air passes through the filtration element, leaving the remaining 5 per cent of the

particulate to cake on the outside of the filter tubes.

At a pre-set pressure drop, a short burst of compressed air is released down the inside of each filter sleeve, in the opposite direction to the travel of extraction air-flow, to dislodge all accumulated dust cake.

Want to find out more? Visit www.dustraction.co.uk



FEELING THE HEAT AT BATH BESPOKE

BESPOKE kitchen brand, Bath Bespoke, has purchased a wood waste heater from Wood Waste Technology to save money on its heating and waste disposal costs.

Bath Bespoke is well known for high-end architectural joinery, bespoke kitchens and furniture throughout the UK and internationally.

The company's workshop is based on a farm a few miles south of Bath. The 324m² workshop, situated across two floors, is freezing cold in winter months and very expensive to heat with only infra-red, or fan heaters.

Director, James Etheridge, wanted to find a cost-effective heating solution and liked the idea of a biomass heater, which would also help the business save money on waste disposal costs, especially as the business was producing around a tonne of waste/week.

During his research on biomass solutions, James discovered the range of wood waste heaters from Wood Waste Technology, which are manufactured in the UK to a high quality and have excellent reviews for reliability, with every

heater ever sold still being operational today.

After speaking with Kurt Cockroft at Wood Waste Technology and arranging a quote and site survey, James ordered a WT10, which was installed by Wood Waste Technology's experienced engineers, who managed to vent the heat generated by the heater across the two floors of the building and into the spray booth.

'We're delighted with our new wood waste heater. We've gone from having a freezing cold workshop and spending thousands of pounds on waste removal, to the guys now working in just T-shirts, due to the comfortable temperature in the workshop, plus we've drastically cut the amount of money we're spending each month on skips,' explains James Etheridge.

'The advice and help from the team at Wood Waste Technology has been excellent and we've been really impressed with how the heater operates and how easy it is to use,' he continues.

'We were very pleased to help James and



the team at Bath Bespoke. Being located on an organic farm, he was initially worried about the amount of smoke that a biomass solution might emit, but we were able to allay his fears and now that it is installed and running they're delighted with the results,' says managing director of Wood Waste Technology, Kurt Cockroft.

Want to find out more? Visit www.woodwastetechnology.com



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