

# Kitchen Maker

Issue 10

Online



**LET THE SUNSHINE  
INTO YOUR KITCHEN**

# WOODWORKING MACHINERY

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# LET THE SUNSHINE INTO YOUR KITCHEN

KITCHEN  
COLOURS

IT is true we all feel better as soon as the sun begins to shine, but here in the UK sunshine can sometimes seem like a rare (and precious) commodity.

At least throughout the months of July and August, we have the chance to get out and about, maybe enjoying a picnic on the beach, or at a favourite spot in the countryside, but what can we do during those long winter months, when we need the pick-me-up of a bright, sunny environment and we look outside our kitchen window and everything we see is 50 shades of grey?

Surely, one simple answer is to bring the sunshine in.

When it comes to the use of bold colours, the kitchen is the one place in a home you do not have to play it safe. Cooking spaces can convey a sense of happiness thanks to the addition of a brilliant shade of buttercup yellow, warm shades of maple gold, or a splash of acidic lemon.

If your kitchen feels starved of natural light, or could use a few splashes of room-warming color, yellow will invigorate your space with a sunshiny vibe.

Don't imagine that you have to paint everything to match the colour of the slice of lemon in a gin and tonic. Yellow is nothing if not a refreshing shade and comes in a wide range of beautiful hues ranging from amber to muted creams and chartreuse through to saffron — and all these shades will brighten things up whilst evoking that cozy feeling.

In order to provide some inspiration to enable you to liven things up, here are our favorite ideas for creating a yellow kitchen.

One of the freshest décor current trends re-invents the classic yellow-and-brown 1970s kitchen. Combining glossy surfaces with rustic textures in the cooking space can certainly make any kitchen feel up to date.

Bright yellow will always serve to warm up plain crisp, pale walls. Base cabinets painted in this manner will heap on the colour, as well as how happy we feel when preparing the evening meal at the end of a long, hard working day.

Yellow looks terrific against natural, unpolished timbers and even oak veneers. Mustardy colouring can be used to good effect on the wood cabinetry whilst offsetting the stainless steel worktops.

Underfoot try combining square,





bright yellow floor tiles with black ones laid down in a chequerboard pattern for a totally stunning look.

Brilliant primary yellow hues can provide an excellent contrast to dark hunter greens. Adding a dash of red will certainly serve up a sense of exuberance.

Cool colours can make an interior that does not receive much natural light feel dark and uninviting, but add cabinetry in punchy sunflower yellow and you will create a totally different look and one in which the dullest of spaces appear to echo the sunlight of a summer's day.

An exuberant shade of yellow will certainly pay dividends in a modern farmhouse kitchen. The optimistic hue adds visual warmth by taking the chill off the stark, plain coloured cabinetry.

It is possible to create the neutral kitchen of your dreams with cabinetry in soft shades of buttermilk. These creamy hue rival white as an enduring classic.

A statement-making appliance can infuse a space with splashy style. Install a range cooker in vibrant yellow and your added emphasis of colour will certainly not go unnoticed. Likewise, a splurge of colour can be provided by the addition of a yellow kitchen island.

Perk up an all-white kitchen with a few vibrant accents. Add flowerpot-shaped pendant lamp in shades of citrus lemon. Bar stools in a vibrant shade of yellow will put you in the hot seat and can easily and cheaply add an accent of much needed colour in an

otherwise plain and lifeless work space.

You can combine old-world charm with modern functionality with the use of primitive-style cabinets in chrome yellow. You can also totally transform a tiny kitchen with an eye-popping splash of sunshine yellow or brighten up an industrial-style white kitchen with bold, yellow features. Bright yellow worktops will have the same effect. Adding a yellow painted splashback is a ridiculously simple way to heat up a kitchen with a splash of yellow.

Muted cream-coloured cabinets and butcher-block countertops can be used to good effect to balance a canary yellow wall.

Simply painting the inside of kitchen cabinets a contrasting shade of yellow will give a definite boost to white cabinetry and reveal an unexpected burst of yellow when the doors are flung open.

Perhaps surprisingly (and one idea which few of us may have considered) is the fact that the combination of bright, buttercup yellow with pillar-box red can work well.

Alternatively, a few pieces of bright yellow furniture can do the same trick, serving to spice up a kitchen in which neutral shades predominate.

Layers of texture, colour and lighting make the kitchen the heart of the house. Indeed there are all manner of different ways in which the colour yellow can be used to bring the sunshine into your kitchen – even on the dullest winter day.



# PWS WORKTOP FACTORY CAN NOW BE VIEWED ON FILM

PWS has released a film to promote the many service benefits offered from its state-of-the-art work surface factory.

On of the most advanced production facilities in Europe, the PWS work surface factory combines fully-integrated processes with quality, brand-leading materials and an expert team to deliver what is claimed to be the best product and service in the industry.

The film follows the journey of a typical order, starting with the dedicated sales advisers for a consistent point of contact, through each step of the process, from template, material selection, manufacturing with care and exacting precision, to dispatch and installation.

With a total of nine hubs around the country, PWS offers a local service on a national basis, backed with generous stock-holding of materials to support short lead times.

'Our work surface factory is, without doubt, the most impressive production facility of its type in the UK and our short film re-inforces, in a matter of minutes, the key benefits we can offer customers in terms of service, quality and choice,' says marketing manager, Andrew Langford.

'The film successfully captures the sophistication of the manufacturing machinery and production techniques and the professionalism and expertise of the team behind all aspects of the operation,' he adds.

PWS offers a wide choice of materials from leading names, such as Corian and Hi-Macs solid surface Silestone and Dekton quartz.

Alongside the extensive range of granite and timber finishes, PWS also promotes Strata – its own brand of quartz and solid worktops.

All PWS work surfaces are quality approved by its major suppliers and come with a 10-year warranty.

The film can be viewed at <https://www.youtube.com/watch?v=Wwgn35kBmLG>.

Want to find out more?  
Visit [www.worksurfaces.pws.co.uk](http://www.worksurfaces.pws.co.uk)



The PWS film follows the journey of a typical order, through each step of the process, from template, material selection, manufacturing with care and exacting precision, to dispatch and installation.



Tomba is a new handle-less design from PWS.



Strata is an own brand range of quartz, granite and acrylic work surfaces from PWS, which has recently been boosted with an extensive range of exciting new finishes.



## KITCHEN CABINET MAKER HAS NO REGRETS PURCHASING FROM ALAN LAMONT

CRISPIN and Gemma Furniture Design, of Marlborough, Wiltshire, is a specialist cabinet maker and specialist kitchen manufacturer, which was established 25 years ago.

The team of four specialises in “things you can't get anywhere else one off and unusual designs, from super modern to extremely traditional,” says Crispin Forster.

The company benefits significantly from repeat business with clients with whom it enjoys a good relationship.

In the summer of 2017, Crispin needed to upscale his production. In order to achieve this, he purchased a Woodwelder and a clamping system from Alan Lamont of Lamont Clamping.

‘A long standing commercial customer contacted us with a big contract, which involved a great deal of hardwood frame and door construction for bars and commercial kitchens in sapele, ash and beech.

‘We already had a full order book, so we needed to completely change our methods of manufacture for this contract.

‘The CNC work was outsourced, but all the frames were made in-house. They had to be separately constructed and we had to know that they would fit together perfectly.

‘The Lamont system was really helpful, as it keeps everything square. It was very important that it was really, really accurate and that the guys in the workshop could use it with minimal training.

‘I chose to make the purchase from Alan Lamont, because of the clamping system he sold and because of his telephone manner.

‘Alan has a big variety of different clamping systems and you could see he had really thought about applications. He knows the industry and understands exactly what is required. I was also impressed with the quality of what he was selling.

‘It was obvious he was a specialist: as soon as you start talking to him, it is obvious that he knows what he is talking about and he offers very good guarantees.

‘We use the clamping system and Woodwelder a great deal of the time for panel door manufacturing and also for worktop manufacturing.

‘Whilst the Woodwelder cannot be used for all worktops, for example oilier woods, such as Iroko, it is very good for tulipwood.

‘However, really heavy kitchen worktops can be left in the clamp overnight and the

clamping system really is a panacea!

‘The Woodwelder, which was well priced, is very, very good for panel door and frame construction, as well as for dovetail drawers. We try and do as much as we can on it, as it is easy to use.

‘Another advantage is that with the Woodwelder glue dries in minutes rather than hours. This represents a significant time saver.

‘Everyone in the workshop is an accomplished cabinet maker and can think for themselves, so we are continually improving our methods of working.

‘One great advantage of the new system is that, if you are careful, you can clean the glue off the reverse side before it is completely dry. With traditional clamping methods, this is not possible.

When asked if he would recommend the clamping system, the Woodwelder and the company, Crispin replied:

‘I would highly recommend it! I am very happy with the purchase and should have done it 15 years ago: that is my only regret’.

Want to find out more? Visit [www.clampingmachines.co.uk](http://www.clampingmachines.co.uk)

## UK AGENT JJ SMITH IS PROUD TO OFFER MARTIN MACHINERY

FORMED over 90 years ago, J J Smith is now recognised as one of the premier suppliers of new and used woodworking machinery in the UK.

JJ Smith is a fourth generation family owned and managed company based in Liverpool. The company's ethos has always been that it takes the long view when offering equipment - with many of its customers returning to purchase replacement equipment 10, or maybe as much as 15 years later. What is offered by J J Smith reflects the fact that the company actively seeks repeat business over many years.

JJ Smith offers a huge range of new and used equipment from standard entry level classical machines to the latest state-of-the-art touch screen CNC controlled window lines and five-axis machining centres.

JJ Smith operates out of a 3,750m<sup>2</sup> premises on the outskirts of Liverpool with easy access to the motorway network and both Liverpool and Manchester airports.

Extensive showroom facilities offer a permanent demonstration area for a wide range of new machinery from standard planers and spindle moulders up to and



JJ Smith's extensive showroom premises on the outskirts of Liverpool have several items of Martin machinery permanently on display, such as this T60C sliding table saw

You can make something  
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[www.martin.info](http://www.martin.info)

including automatic crosscuts, CNC mortisers and panel saws. In addition, the company is also able to offer solutions for specialist/bespoke applications.

The used machinery warehouse and showroom encompasses a wide variety of equipment for the panel and solid wood industries from the world's leading manufacturers. JJ Smith is also widely accepted as a major exporter of used equipment and has completed sales/projects for the supply and installation of machinery on a worldwide basis.

JJ Smith's sales and support team, many with over 30 years experience in the industry. One of the companies which JJ Smith is proud to represent here in the UK is the renowned German manufacturer, Martin, whose products include the T12 spindle moulder, which is prominently featured on JJ Smith's comprehensive website.

Although compact in terms of design, the T12 offers a number of premium features as standard. These include a heavy composite frame to ensure maximum stability, along with a 5.7in TFT colour touchscreen control unit. This is positioned economically at eye level and helps

reduce set-up times markedly.

From this unit the operator can easily set the required height of the spindle and when additional optional accessories are included, the cutting depth and the cut (infeed jaw) can also be set and controlled.

In addition, the tool date memory provides the facility to store up to 500 different tools, automatically recalling the spindle height position, speed and other program data for the particular tool selected.

Other standard features include a precision fence assembly with hand-wheel adjustment and digital display in the control unit, an electronic soft braking device for the spindle motor and the "Dornfix" quick shaft change system.

On request, the HSK tool change system can be specified, thus allowing the flexibility of having tools that are interchangeable with many CNC machining centres. Other options include motorised positioning of the fence assembly, variable spindle speeds and sliding tables.

Want to find out more?  
Visit [www.jjsmith.co.uk](http://www.jjsmith.co.uk) or [www.martin.info](http://www.martin.info)



On request, the Martin T12 spindle moulder displayed here by JJ Smith can be fitted with an HSK tool change system, thus allowing the flexibility of having tools that are interchangeable with many CNC machining centres.

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# CABINET VISION MAKES EVERYONE AN EXPERT

“CABINET Vision turns people who are unskilled in the craft of woodworking, into valuable, core members of staff, doing what used to be a highly skilled job.”

Those are the words of owner and managing director of quality kitchen specialist, Crabtree and Hargreaves. Brandon Collins

The Essex-based company is a recent convert to CNC machinery and CAM software. Until investing in a Felder Format 4 Profit H08 machine tool with 10ft x 5ft bed size, designs were undertaken in SketchUp and what Brandon describes as “crude cutting lists” were then created with plug-ins, to use with the company’s panel saw.

“The issue we had was that even if we were just 1mm out with a couple of parts on the panel saw, it added up to a product that wasn’t accurate,” says Brandon.

“This prompted us to go down the CNC route. Felder understood that this was our first CNC machine and that we had no experience of them. They helped us every step of the way and recommended Cabinet Vision as the best software for driving the machine to do what we needed. It eradicates all errors, as the design is faithfully reproduced in the NC code,” explains Brandon.

Whilst Brandon Collins’ background is in cabinetry and woodworking, his team are not all from a cabinetry background. However, he points out that Cabinet Vision means that they don’t have to be.

“They have state-of-the-art computer skills and using the software makes them extremely valuable employees with a different skill set from traditional craftsmen,” he continues.

Brandon is the company’s main designer using Cabinet Vision, which also creates NC code sent to the Felder machine through the software’s Screen2Machine module. His son, Bradley, handles the manufacturing operation on the machine.

“When we begin a new job in Cabinet Vision we put all the customer’s details on the Job Page and set the specification. This includes everything, such as the carcass material, frame type, hinge type and construction method – we normally use the blind dado method for everything we do, wherever possible.

“Then we drag the objects into the room, to wherever we want them. Double clicking brings them up into section mode and we break everything down. Everything’s completely customisable – doors, drawers, bore holes... the list is endless,” says Brandon.

He adds that they also use it for plug cut-outs.

“Instead of the fitters cutting out where plug sockets go inside cabinets, we set it up onscreen and the machine simply cuts them,” explains Brandon.

As well as accuracy, Cabinet Vision also provides considerable time savings, increasing the company’s capacity and enabling additional business.

“When we were using the panel saw, it used to take a day to produce cabinet cut lists for one kitchen. After that, it was about a week to get everything cut and fully machined, drilled and hinge holes and screw holes for runners cut and ready for assembly. Now the entire process takes about a day and a half.

“Once the design is finished, we simply send the NC code to the machine, using Screen2Machine. Once it’s gone from the computer to the screen, there’s no scope for any errors,” says Brandon, adding that whilst a single person can run the Felder machine, production throughout the day would be the equivalent of three or four people.

“Cabinet Vision represents the future of Crabtree and Hargreaves. It’s core to everything we make. Even if we’re just carrying out a simple frame and carcass drawing, it goes through the software,” says Brandon.

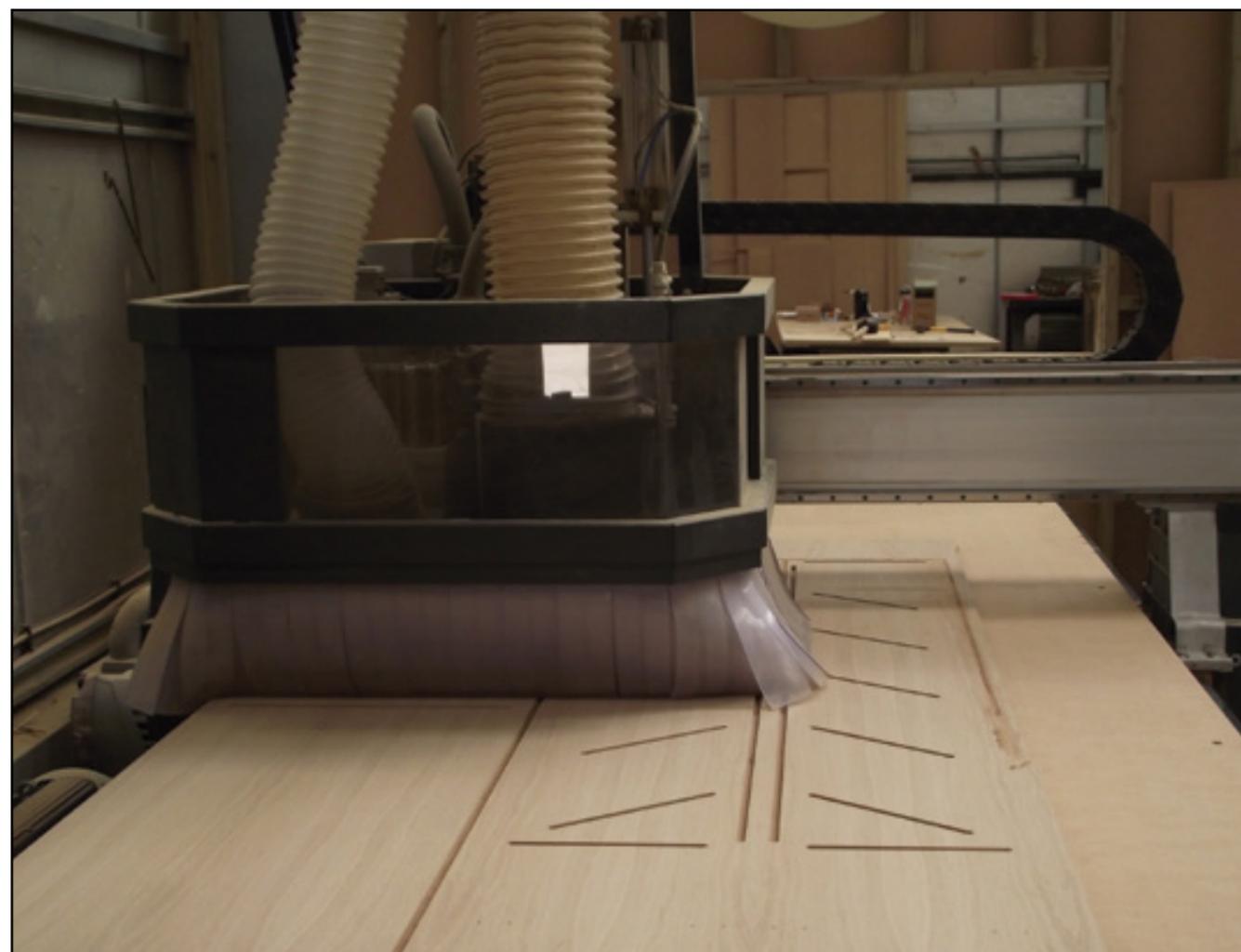
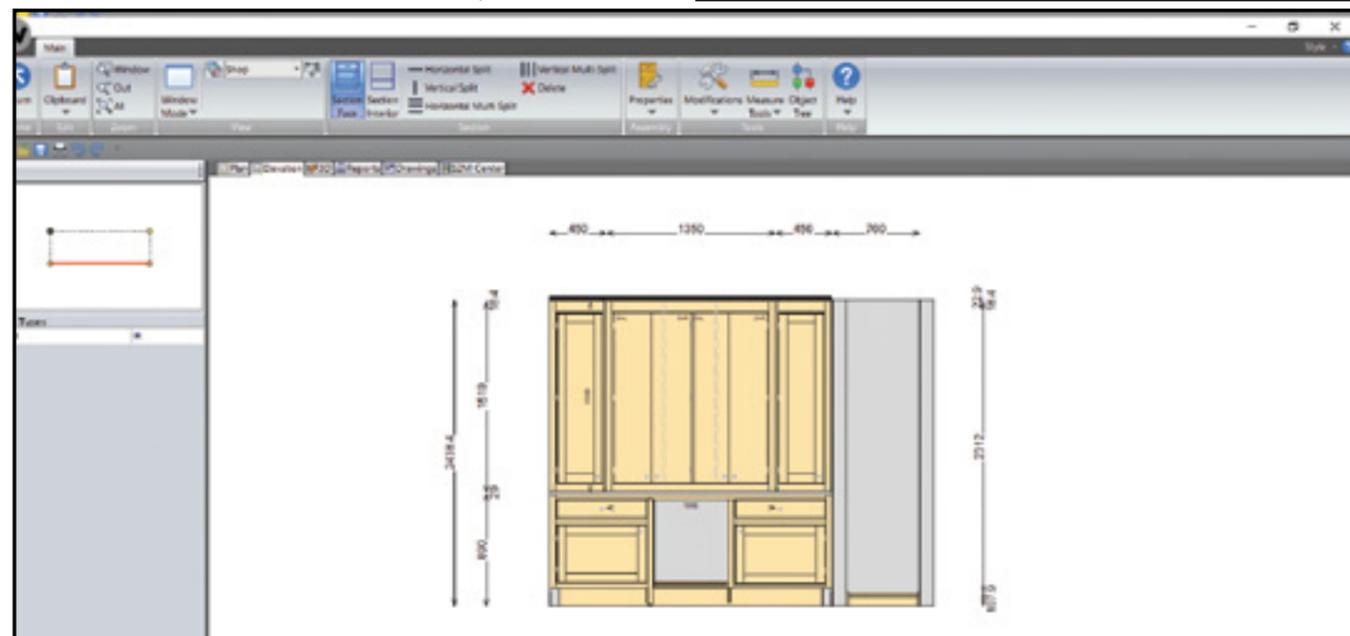
“It also helps to keep the production workflow running smoothly. As one kitchen’s coming off the machine, the next one’s leaving the screen and the process starts again,” he adds.

In conclusion, he says that the company’s biggest challenge, prior to taking the CNC and CAM route, was using several pieces of software in their processes to achieve what was required.

“Now everything’s done through Cabinet Vision, from the initial design, through production drawings, giving customers photo renders, elevation drawings where required, to the parts coming off the machine.

In addition, the amount of information we can extract from the system is huge, compared to what we were getting before,” he concludes.

Want to find out more? Visit [www.cabinetvision.com](http://www.cabinetvision.com)



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“ We may have only a couple of days to do an impossible job, but ALPHACAM makes it possible.

Jason Szukalski  
Director - Anarchy Ltd

“ Without CABINET VISION, we'd probably need three additional members of staff to achieve what we do.

Ruth Lovelock  
Hetherington Newman



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HexagonMI.com

[Alphacam.com](http://Alphacam.com) | [CabinetVision.com](http://CabinetVision.com)



# CABINET VISION GIVES STYLECRAFT MORE CUSTOMER TIME

## TRADITIONAL CABINET MAKING WITH MODERN TECHNOLOGY ADVANTAGES

AN Irish kitchen and bedroom specialist says that Cabinet Vision software has slashed the time taken to manufacture all the cabinets and doors for a single installation, from days to just a couple of hours.

In addition, the company puts the time saved to a different use from the way that most companies would – with enhanced customer service.

Stylecraft Kitchens & Bedrooms works mainly with end-user customers and architects.

Director, Paul Phillips says that the state-of-the-art software means that they can combine traditional cabinet making with the advantages of modern technology.

‘It saves us so much time with manufacturing. It also means that we can now make so much more ourselves, so that we no longer have to buy components in,’ says Paul.

‘This saves considerable administration time, as we

don’t have to place orders with suppliers for those items,’ he adds.

Previously, the company also suffered from added time pressures, as door deliveries could take up to six weeks, with further delays if design changes were made.

‘While we may have been making a number of kitchens each week using the panel saw, we could now produce many more. However, we didn’t necessarily want to do that. Instead, we invest a great deal of the time it saves us, with our customers and creating new designs.

‘We now have extra time available to us to ensure that the positive customer experience is something to be remembered,’ says Paul.

He says that Cabinet Vision has been one of the biggest drivers in moving the company forward.

‘When the recession ended, we looked at how we could start moving the business forward again. Cabinet Vision

proved to be the right solution for us.

‘In the beginning it was just something that interested us, that we thought could be advantageous. It very quickly became absolutely essential. We’d be quite anxious now if the computer wouldn’t switch on in the morning,’ says Paul.

They went down the CNC and software route to improve standards and explore new opportunities and saw instant benefits.

‘For the first time it enabled us to visualise everything we were doing, including joints and construction methods.

‘Even now, we’re using it more and more every week, doing new things. In addition, we are currently working with the Cabinet Vision support team on developing a range of new products, including new doors and cabinets,’ says Paul.

Now, all of their products – whether they be in-frame oak, ash and tulip wood kitchens, or carcasses for their contemporary and classic ranges – are designed with their Cabinet Vision Solid Ultimate module and the NC code is then sent by Screen to Machine to the Cosmec CNC router, which was purchased in November 2017.

One of the early benefits was peace of mind, meaning that they were no longer worrying about the time frame to complete a project.

He says they quickly became more relaxed about it, knowing that the machine would run constantly for the duration of the job, turning everything out in a short space of time and guaranteeing product quality every time.

‘I can also work on something in Cabinet Vision for a short period of time before I need it. Previously I’d have to think about something two, or three days beforehand, but now I simply send the code out to the

CNC router within minutes of starting a new cabinet, or door.

‘Before using Cabinet Vision I didn’t realise the lack of limitations it has. It can do so much more than I originally thought. It’s been a complete revelation to us, from previously cutting everything on the panel saw, to now producing precision parts that are 100 per cent accurate every time in a shorter time frame.

‘Cabinet Vision ensures that the lines that you see when the doors and cabinets are installed are absolutely perfect: for example, a 2.5mm margin will be exactly that all the way round,’ says Paul.

Labels are also printed through the software. As an example he cites reverse machining on doors, saying that when the front nest has been machined, labels are created and a portable bar code scanner reads them for the reverse machining.

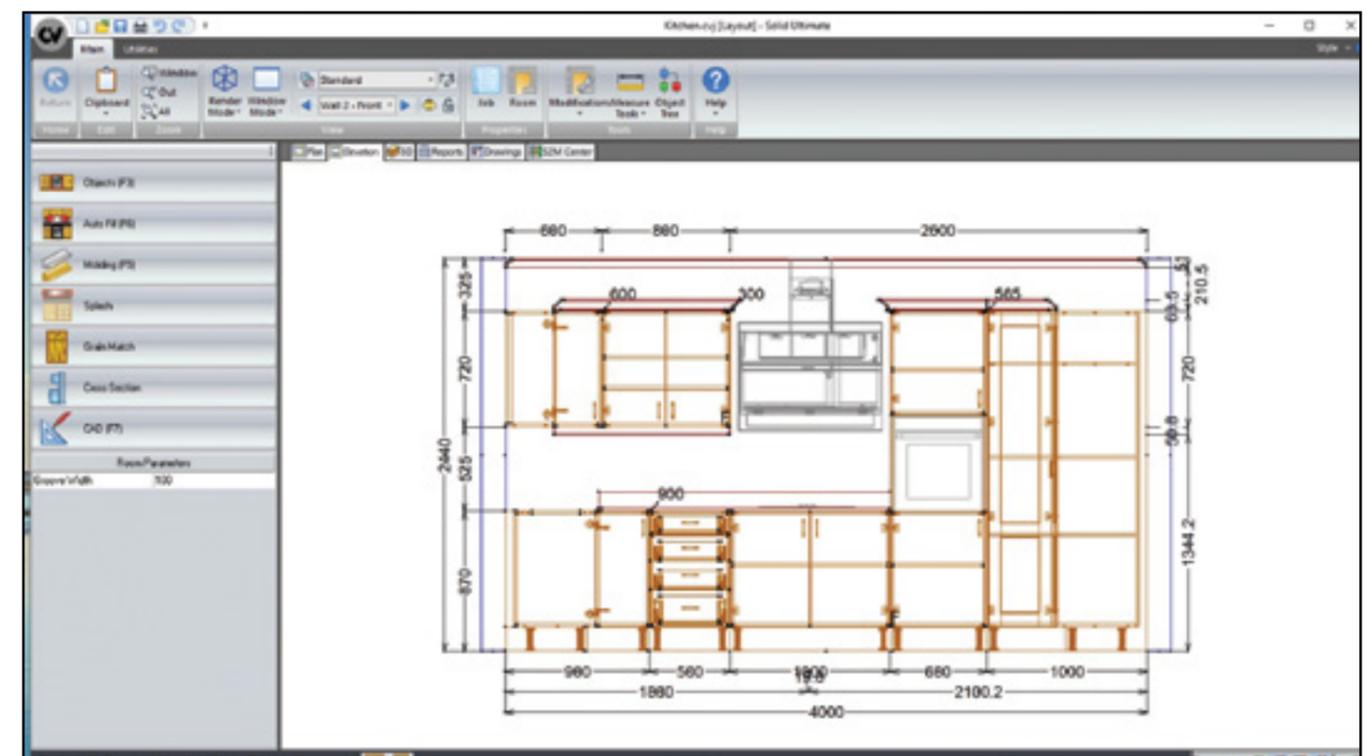
‘Moving ahead, we look forward to the eagerly awaited software update with improved graphics that will mean we will be able to design, price and manufacture using Cabinet Vision,’ says Paul.

Concluding, he says that three other companies have invested in Cabinet Vision on his recommendation.

And another company is going to look at the latest release.

‘If he likes it...which I’m sure he will...he’s planning to buy his first CNC router. That is the impact Cabinet Vision is having in the Irish woodworking business,’ says Paul.

Want to find out more? Visit [www.cabinetvision.com](http://www.cabinetvision.com)





# SAVE TIME WITH TITUS T-TYPE HINGES

FASTFIX hinge cup and pie-cut corner hinges are the latest additions to the popular and successful T-type hinge range from cabinet hardware expert, Titus,

The new-generation T-type hinges reliably deliver the soft closing action preferred by end users and require only a shallow hinge cup, which makes them suitable for use with door thicknesses ranging from 15mm to 26mm – and they have passed FIRA tests for BS 6222-2-2009, Test Level H.

FastFix hinge cup features pre-mounted 8mm diameter expanding dowels that enable precise tool-free insertion and hold the hinge cup accurately in place until the dowels are tightened, making hinge attachment quick and easy. Triple-start screws provide additional time savings.

T-type pie-cut corner hinge offers full door opening to 170 deg, giving easy access to cabinet interiors. In addition, when both doors are opened, the first is locked at 25 deg to the second, so that both move away from the user and are prevented from hitting adjacent cabinets. The pie-cut hinge uses a standard 35mm diameter drilling pattern and needs no edge drilling.

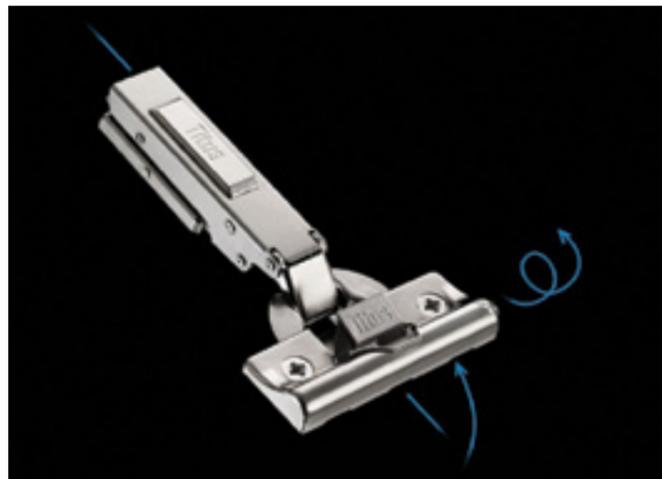
The T-type hinges feature the renowned Titus Confident Close, the consumer-preferred reliable and consistent soft-close damping characterised by late-start deceleration and quiet landing in the last stage of closing as the door leans against the cabinet side.

The proprietary Titus multi-purpose integrated damping technology is positioned transversal in the hinge cup, ensuring life-long damping with no bounce-back and superior performance.

In addition, the hinges are exceptionally tolerant of misalignment and drilling variations. Their unique three-way tool-less snap-on mounting plate, which offers intuitive hinge-to-plate

mounting in three directions, greatly simplifies door installation, especially with tall doors that need four, or even five hinges. The unique design of the mounting plate re-inforces stability and rigidity while maintaining smooth hinge operation.

The hinges feature the renowned Titus damper Inside technology, which ensures reliable and consistent life-long damping without re-bounce. The dampers are single-direction hydraulic types that are fully sealed to eliminate the possibility of oil leakage. The damping is easy to adjust, which maintains consistent performance on doors with a wide range of different dimensions and weights.



Want to find out more? Visit [www.titusplus.com](http://www.titusplus.com)

# OVVO WINS GLOBAL ACCOLADE AT INTERZUM

OVVO, which is based in Country Louth in Ireland has been recognised for design expertise at the global Interzum Awards for the third consecutive time.

Interzum 2019 is the world's leading trade fair for furniture production and was held in Cologne, Germany from May 21-24.

At a glittering awards ceremony held on Monday May 20 to open this year's event, the Ovvo V-1230 connection series was awarded a "High Product Quality" Award.

The Interzum 2019 awards are hosted in collaboration with Red Dot, which stands for belonging to the best in design and business.

The Interzum Award emphasises the significance of design as a value-added factor and is an internationally-recognised label by which winners can be set apart from their competitors in a positive way in the global market.

Application for "Interzum Award: Intelligent Material & Design" was open to all exhibitors at Interzum 2019.

The submissions were assessed in late March by an expert jury of five respected and independent international experts from design and architecture, who assessed the products' design quality and made a final decision concerning the industry award.

The judging criteria were as follows: Degree of innovation, Functionality, Material Quality, Design and Sustainability.

The innovative new V-1230 connection series uses the patented Ovvo dovetail-design in a range of connectors

that now make the Ovvo connection system accessible to manufacturers with all types of CNC equipment, including nesting and drilling machinery.

Prior to the introduction of the products, the system could only be used by manufacturers with end-milling CNC capability.

The new range of connectors greatly extends the range of materials, industries and applications in which Ovvo can be used and is available in both permanent and releasable versions.

The V-1230 series works best in board with a thickness of 15mm and above. It 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 V-1230 for nesting fits in an industry standard 25mm drill hole, whilst the V-1230 for drilling features two self-locking dowel-shaped pins with 32mm centres that use in-built tolerance of the housing to deliver superior joint strength.

'Winning a "High Product Quality" award at Interzum 2019 means a great deal to Ovvo. It is a fantastic endorsement and validation of our latest product range, which we have put a huge amount of effort and time into to develop and design,' says Ovvo managing director, Brendan Phillips.



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'We are now more confident than ever that Ovvo will transform the woodworking industry and look forward to working with more and more customers to revolutionise their businesses,' he adds.

Ovvo has been trading since 2014 and employs six people in Dundalk, Co. Louth, Ireland.

The Ovvo connection system is a unique, patented solution that allows two pieces of material to join together without the use of tools, glues, or screws.

It is an invisible solution that delivers a tightly held bond between the two materials being joined.

The product is manufactured in Dundalk, Co. Louth, Ireland.

Before winning the Interzum High Product Quality Award at Interzum 2019 for the new V-1230 Series, the original connection system had been awarded numerous prestigious awards, including the Irish Times Innovation Award (Manufacturing Category) 2014, an Interzum Award for High Quality Design in 2015, the MTP Gold Medal at Drema International Fair in 2016, and the "Best of the Best" Award at Interzum 2017.

The company was a finalist in two categories (Innovation & Manufacturing) in the Irish Small Firms Awards in 2019 and also won the Best Early Stage Company (Leinster-Connaught section) at the 2016 InterTrade Ireland Seedcorn

Investor Readiness competition.

Ovvo has been supported by Enterprise Ireland as a HPSU (High Potential Start-Up) since 2016.

One piece of equipment, which is available from Ovvo and which would be a useful addition to any woodworking workshop is the PantoRouter.

It has been developed in collaboration with The Woodworkers Workshop ([www.woodworkersworkshop.co.uk](http://www.woodworkersworkshop.co.uk))

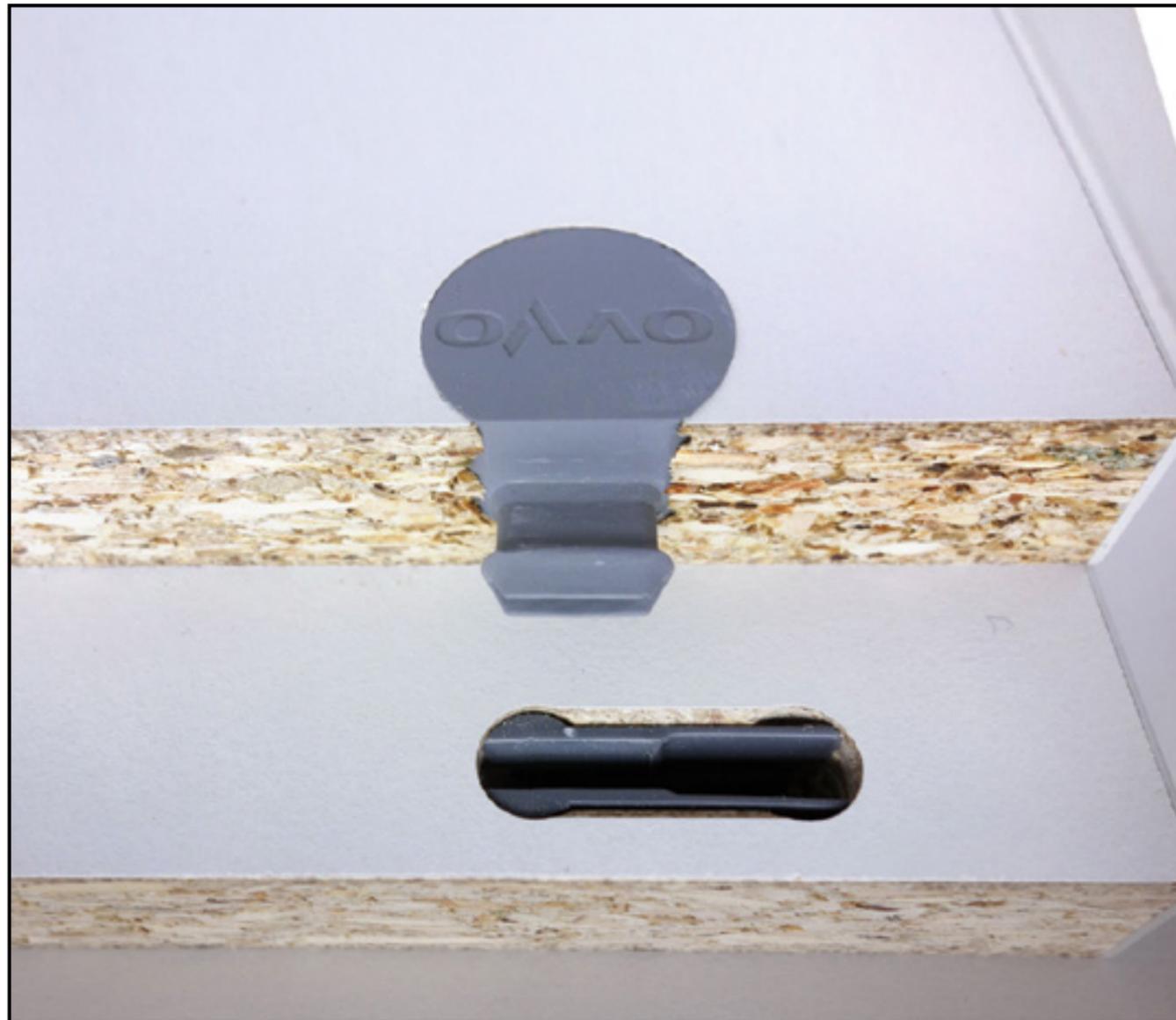
The PantoRouter is a precision copy milling machine able to cut a wide variety of wooden joints.

It has been designed with the mechanical linkage of a pantograph in mind. The PantoRouter operates in all three axes.

Other than the positioning of your workpiece on the X and Y axis, you can set the exact plunge depth of the router cutter on the Z axis, making the PantoRouter what is claimed to be one of the most versatile jointing machines in the world.

The PantoRouter uses templates, which allow you to accurately trace the tenons, dovetails, distances, drilling patterns, or free-hand contours and easily replicates the milling needed to rout out and use the Ovvo connection system.

Want to find out more?  
Visit [www.ovvotech.com/product](http://www.ovvotech.com/product)



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FOR NESTING

THE FUTURE OF CONNECTION



**New push-in connector that fits in standard 25mm drill hole  
No tools, no screws, no glues needed.**

**Features & Benefits:**

- Pushes easily into single 25mm standard drill hole
- The **angled shoulder** combines with the OVVO® housing to deliver **significant intrinsic tolerance**
- Dovetail design features maximise contact surface area, giving **superior strength** to the joint
- Suitable for use in boards ≥15mm thickness
- Available in Permanent and Releasable options
- Part of the Interzum 2019 '**High Quality Product**' award-winning V-1230 Series

**PERMANENT**



Designed to simply push and click in the housing, the permanent connector is currently the only nesting solution that offers push-in functionality.

**Push>Click>Connect**



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**RELEASABLE**



Featuring a ramped design that allows it 'wedge' securely into place, the releasable connector increases the tolerance with the joint by combining the award-winning dovetail design feature on the underside of the connector.

**Slide to Connect**

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# COST EFFECTIVE AND ALL READY TO FIT



NEY is now the official manufacturer and distributor of Hettich pre-assembled drawer for the UK and Northern Ireland.

The Coventry-based distribution business now stocks the InnoTech Atira drawer in silver and the Arcitech drawer in an anthracite finish.

Manufacturing a drawer box can actually be more hassle and time-consuming than people imagine. Often the indirect costs are not always considered.

It may be more beneficial to purchase a pre-assembled Hettich drawer boxes that is ready to fit straight into a cabinet rather than it being necessary to buy them in component form and then

having the task of putting the drawers together oneself.

For those who do not manufacture themselves, but who are buying kitchens from various different suppliers, purchasing pre-assembled drawers from a specialist drawer manufacturer is a more cost-effective option than buying drawers with cabinets.

Usually, cabinets can be purchased pre-drilled to suit the drawers being used, so fitting them can be relatively easy and quick.

Want to find out more? Visit [www.ney.co.uk](http://www.ney.co.uk)



# WREN KITCHENS HAS PLANS TO CREATE UP TO 1200 NEW JOBS

WREN Kitchens is planning to create up to 1200 new jobs at its Barton-upon-Humber headquarters, as it prepares to invest over £120m in its fourth manufacturing facility in the Humber region.

The UK's No 1 kitchen retailer is submitting a planning application for a new 910,000ft<sup>2</sup> facility to be built behind the existing north Lincolnshire factory on part of its 180-acre site.

From opening its first showroom 10 years ago, Wren has grown to become the UK's largest kitchen retailer with 78 showrooms nationwide. The company requires this new

facility to keep-up with its future expansion plans in the Humber area.

Wren Kitchens currently employs more than 1500 people at its headquarters in Barton, with another 1000 employed at its sites in Scunthorpe, Howden and in Hull. If the planning application is approved, Wren is confident that up to 1200 new jobs will be created when the factory is fully operational.

'This project will be the largest single investment in Wren's history and having considered different locations both across the UK and abroad, we believe that developing the existing site



in Barton-upon-Humber provides us with the best possible solution for our continued growth,' says managing director, Mark Pullan.

'The new factory demonstrates our commitment to manufacturing in the UK and particularly the Humber Region. We believe that continual re-investment in our business is essential to maintaining our current growth rate and subject to receiving planning approval, the project will be funded internally,' adds Mr Pullan.

Aside from the 1200 new manufacturing roles, Wren will also be creating new positions in IT development, engineering, customer service and product development to keep pace with growing customer demand.

Wren is celebrating its tenth anniversary and earlier this year was named the UK's best place to work by leading jobs website, Indeed.co.uk.

'It's a fantastic vote of confidence for the business and for North Lincolnshire that Wren Kitchens is looking to expand its operations in Barton,' says leader of North Lincolnshire Council, Cllr, Rob Waltham.

'The move could see more highly skilled jobs brought to our area and such large private investments often prove to be a catalyst for further investments in the surrounding areas,' says Cllr Waltham.

Want to find out more? Visit [www.wrenkitchens.com](http://www.wrenkitchens.com)



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