

Kitchen Maker

Issue 20

Online



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WOODWORKING MACHINERY

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ATACAM

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(Special sizes available on request)

Standard Features:

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3 and 4 Axis

machines in stock.

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arrange a Demonstration!*



Castle Pocket Routers

from **ATA Engineering**



New Improved Model TSM22 Pocket Router

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:

- Easier and quicker access when replacing the router cutter, drill and other parts during routine servicing and repair.
- Additional safety feature which automatically disconnects the electrical supply to the Bosch motors.

This long established and widely used model continues to provide the quickest and strongest method for kitchen and bedroom carcass manufacture, retail display stands and other interior fitting applications.

Call us today to arrange a demonstration.



ATA Engineering Processes Ltd

ATA House, Unit B, Boundary Way, Hemel Hempstead, Herts, HP2 7SS

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QUOOKER - THE TAP THAT DOES IT ALL

GETTING INTO
HOT WATER

QUOOKER is famed for being the world's first 100 deg C boiling water tap providing energy efficiency, coupled with safety and providing versatility with its space saving features.

With a Quooker in your kitchen, you will always have instant access to a 100 deg C boiling water, together with a regular supply of both hot and cold water.

The Quooker system consists of a small tank in the kitchen cupboard, which is linked to the boiling water tap on the worktop.

The tank acts like a vacuum flask connected to the mains water supply. The air in the insulated wall is so thin that the heat is unable to escape. It therefore takes very little energy to keep the water in the tank at 110 deg C.

The water only starts to boil when the tap is turned on and the temperature of the outflowing water drops to 100 deg C. While the water is flowing out of the tap, fresh water immediately flows into the tank.

Add the new Quooker Cube and you will also have filtered









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GETTING INTO
HOT WATER



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chilled and sparkling water – all from the same tap. The new function makes life in the kitchen even easier.

Not only does it save you time and space, but it also means that you no longer need to purchase bottles of water from the supermarket.

Dispensing sparkling water is simply a matter of pressing and turning the tap at the same time. The illuminated ring that turns red to indicate boiling water now flashes blue and sparkling water comes out of the tap.

If you hold down the button for slightly longer and then turn it, you get filtered water. It is impossible to dispense boiling water when what you want is cold sparkling water, making the system completely safe to use.

The Cube can be installed at the bottom of a kitchen cabinet next to a Quooker tank. It includes two filters, which make

the water just as pure as any bottled water that you might buy in a shop

The Cube is attached to a CO² cylinder which gives you 60 litres of sparkling water from your Quooker tap.

The boiling water tap for the Cube is available in combination with all Quooker taps and the company supplies each one with a CO² cylinder as standard.

When the water jet slows down and there is less carbon dioxide in the water, it means that CO² cylinder needs to be replaced.

On average the filters in the Cube tank last for approximately one year, ie the system can process around 6,000 litre of water. When the tank starts to make a beeping noise, it is time for new filters to be installed and these can be ordered through the company's dedicated website



The Cube requires 230 volts of electricity and has a wattage of 100 watts. If only one electric socket is available, then the system can be used with the Quooker power switch.

The Cube maintains a supply of between 1.5 and 2 litres of sparkling water available at a temperature of 5-12 degrees.

On the other hand, the Cube can dispense an unlimited supply of filtered water. The filtered water feed passes through the chilled sparkling water which, in turn, reduces the temperature of the filtered water by around 5 deg as it is being dispensed.

The temperature of the filtered chilled water will therefore vary, depending on the incoming water temperature and the amount of chilled sparkling water inside the Cube tank.

When emptied completely, it takes around 40 minutes for the two litres of sparkling water to fully cool down again.

Used cylinders can be returned to Quooker and the company offers a free service for doing so if you are returning at least four empty cylinders at the same time.

With a view to sustainability and cost savings for the customer, empty cylinders will be refilled. The used empty CO² cylinders **MUST** be returned in batches of 4. Return shipments of a single empty cylinder will not be accepted.

Quooker recommends that you order a complete new set of 4 CO² cylinders, so that you always have a sufficient stock of spares.

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



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www.martin.info

MARTIN MACHINERY HELPS OXFORDSHIRE DESIGN & MANUFACTURING COMPANY'S PRODUCTION OF BEAUTIFUL KITCHENS

BEAUTIFUL interiors always start with excellent design. At Langstaff-Ellis Ltd of Chinnor in Oxfordshire, the company's designers work with its customers to create stunning spaces which really work in everyday life.

Clients are offered photo-quality, 3D renders, so that they are able to see the finished design before anything is cut in the workshop.

The large offices and workshops operated by Langstaff-Ellis are packed full of the latest technology, which is used right from the design stage to the final production.

The company's designers use the very latest software, which programs the CNC machinery - at the same time as providing clients with detailed drawings for their approval.

Once a project is in production, CNC machinery and highly skilled craftsmen and women combine to create work to the highest of standards.

With the company's ongoing investment in its production facilities, Langstaff-Ellis is able to offer work of the highest possible specification.

Customer service is at the heart of the business. At Langstaff-Ellis it is understood that the key to a successful project is a

positive and enjoyable relationship with clients, which is why a dedicated, creative and positive team has been created - all of whom work with clients to create their ideal kitchen space.

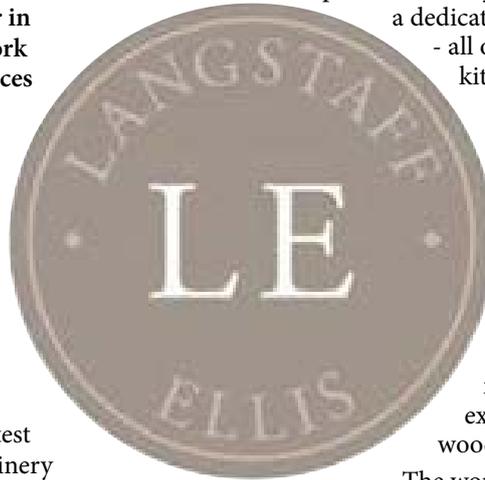
Langstaff Ellis does not have restricted ranges, colours or ironmongery. Instead, clients are free to choose absolutely anything they desire. The company's design creativity works well with all manner of kitchen styles ranging from traditional Shaker to Modern, or contemporary furniture.

The workshop team is formed by a group of highly skilled and knowledgeable cabinet-makers - all of whom can boast many years of experience in the use of modern CNC automated woodworking machinery and equipment.

The workshop features the very best in terms of modern woodworking machinery all of which is sourced from industry giants, such as the renowned German manufacturer, Martin.

One recent addition to the Langstaff-Ellis workshop has been a Martin T12 spindle moulder, which has now been in operation at the company's Oxfordshire premises for just over a year.

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



The Martin T12 spindle moulder is the perfect spindle cutter for a wide variety of applications.





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 data 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.

A consistent moulded surface cannot simply be ordained. However, it is so simple with the Martin T12, which features a highly functional, but easy-to-use control system and offers excellent value-for-money.

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.

Motorised positioning of the fence enables all the settings to be made comfortably and accurately via the control unit. The fence settings can be approached with pinpoint accuracy owing

to reproducibility of +/- 0.025mm, which is extremely high for a compact-class machine. Even critical settings, for example, for counter profiles, can be precisely positioned.

The positioning of the right-hand fence jaw via hand-wheel is displayed on the control unit with a high degree of accuracy.

The electronically recorded position of the fence jaw can also be saved in the controller and quickly accessed when needed. The incremental movement is also easily possible owing to the integration in the controller.

The table extensions are executed in cast iron on both sides and connected to the machine table completely without a transition. The stable, extendable support provides support at the front, thus facilitating the processing of larger components.

The fence opening should be closed as much as possible, so that the work piece can be safely guided and slide along the fence. Both are provided by the tried and tested integral fence.

The bars of the jaws consist of hard-coated aluminium and can be easily folded in position, released and also varied in height. The bar cassettes can also be removed effortlessly, allowing the operator to work with a wooden insert.

In short, the T12 is an ideal spindle moulder for any joinery workshop. With its individual customisation options, it represents the perfect spindle cutter for a wide variety of applications.

Want to find out more?
Visit www.martin.info or www.langstaff-ellis.co.uk

KITCHEN MAKER INVESTS IN NEW MATRIX TABLE

THWAITE HOLME Kitchens & Bedrooms Ltd manufactures bespoke kitchens and bedrooms.

Each fitted kitchen, or bedroom is designed and made in the workshop near Dalston, Carlisle, by a very skilled team with years of experience in cabinetry and bespoke furniture who pride themselves in the quality of their products.

Styles run from classic to contemporary and kitchens are fitted by Thwaite Holme's own team of experienced fitters.

During the summer of 2017, Thwaite Holme invested in a matrix table from Lamont.

'Alan [Lamont] demonstrated a matrix table to us many years ago and it was something we were keen to purchase, but never quite got round to,' says director, Ian Postlethwaite.

'We had a smaller hydraulic table, which we used for many years, but it was too small and we needed a larger one with bigger capacity.

'Alan was the obvious choice. We had seen the product in both trade journals and other workshops and were impressed.

His place is only 20 miles away, so he is handy and local. We went up to see Alan at his premises and discussed our needs.

'Alan came back with a design and price and the table was manufactured specifically to our needs,' says Ian.

The design of the table was bespoke: at the same time as purchasing the matrix table, Thwaite Holme invested in an OMEC 750CN dovetailing machine.

The matrix table was constructed with a special section in the bottom left hand corner designed specifically for the assembly of dovetail drawers.

Together, the dovetailing machine and the matrix table opened up a whole new field for Thwaite Holme. The matrix table is also used for the assembly of frames and doors.

Ian describes the advantages brought by the matrix table as "speed



and accuracy of assembly, and bigger capacity. It is vertical rather than horizontal and this is much more convenient and space saving."

When asked if he would recommend Alan and the matrix table, Ian replied:

'Absolutely, 100 per cent I would recommend him. We would tell him the issues we had, and he was very good at coming up with solutions. I was very happy with the whole process,' concludes Ian.

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

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Jason Szukalski
Director
Anarchy Ltd

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TAILOR-MADE SOFTWARE AVAILABLE FROM CAD+T

NICK Hudson Fine Furniture has built its reputation on designing and manufacturing high-end, bespoke furniture for celebrities, well-known interior designers and respected architects for over 25 years.

However, faced with increasing demand, stiff competition and a software package that was slow and laborious to use, owner of the Isleworth-based company, Nick Hudson, realized that he had to find the right solution to move his business forward.

‘There were serious limitations to the software we were using,’ explains Nick.

‘We had been using a version of AutoCad for several years, but it restricted us to simple 2D drawings and manual CNC programming. We had to create a DXF image file and relay that information to the CNC,’ says Nick.

Front aspect kitchen design using CAD+T software:

‘We were physically programming what drill bits we needed to use, along with the speed, rotation and depth required, as well as instructing the machine on every hole and cut-out that appeared on the design.

‘It was extremely laborious, not to mention time consuming. More importantly, it was causing a bottleneck in the office, because of the amount of work we needed to carry out before any material could be cut and assembled.

‘We couldn’t afford to keep our customers waiting and didn’t want to be in a position where we might have to turn down work because of our outdated software. We needed to find a software package that could simplify this process and help the company move forward,’ says Nick.

Following a chance meeting at W18 Nick was given a demonstration of CAD+T’s highly customisable software packages.

‘I had spent a good deal of time looking into other software options, but I gained the impression that they were very much cabinet-based and required some programming at the beginning of the process,’ says Nick.

Kitchen plan using CAD+T

‘This is fine if you’re producing a lot of one particular thing, but our business is based on a bespoke offering that requires flexibility and the freedom to design a whole host of things. CAD+T’s approach was different. It was customisable and adaptable. It immediately caught my attention.

‘Another big advantage for us was the software’s framework. It was based on AutoCad - the same software my team and I were accustomed to using.

‘It allowed us to have a firm understanding of the software’s basic functions, whilst offering us a whole host of new features that



A kitchen project from Nick Hudson Fine Furniture.

could benefit the business massively,' explains Nick.

A big draw for Nick was CAD+T's customised CAM interface. It generates CNC codes for one or more three- and five-axis machines easily.

'Previously, we had to make the parts and cuttings lists ourselves on an Excel spreadsheet and manually type in the size, thickness and materials needed for each drawing,' explains Nick.

'It was an extremely drawn-out process and it was easy to miss something,' he adds.

Kitchen model using CADT+T

If you happened to make a mistake, you'd have to trawl through the whole spreadsheet again to try and find out where you'd gone wrong.

'Worse still, if you decided to add to the design in any way, the whole list would have to be re-worked and a new DXF file would have to be translated back to the CNC,' explains Nick.

This was not only time consuming for the team, but it also meant that the designers needed to have an in-depth understanding of both the product's construction and the machine's engineering.

'With CAD+T's software, every part of the process works together to streamline manufacturing processes, whilst optimising machine running time.

'In many ways, our new software has de-skilled our job,' says Nick.

'Now, our new CAD software works directly with our CNC machine and the machine's existing Masterwood program, so we don't have to spend our time compiling lists and manually programming the machine any more.

'Instead, we draw our designs in 2D and the software automatically creates a 3D drawing and automatically creates the parts and cuttings list ready for production,' says Nick.

Kitchen drawer design using CAD+T

Nick and his team were also keen to create detailed 3D drawings when pitching ideas to new customers – something the company's old software could not produce.

'When working with a simple wardrobe, or table, it's easy to understand a 2D front, side or

plan view, but when you're creating a made-to-order curved bar or a selection of concave units, it's often challenging to sell the design to the customer with limited graphics,' says Nick.

'With CAD+T, we can generate 3D views from any angle which, as well as giving the customer the ideal vantage point, brings our designs to life.

'It also gives us the opportunity to modify the design where we see fit – something we couldn't often see clearly when working solely in 2D.

'Everything about the software has been designed for convenience. As well as a bigger library, we can build designs significantly faster, thanks to the software's ready-to-use elements and its drag and drop templates.

'This is particularly useful when we're recreating popular items, such as cabinets, as they can be automatically selected, edited and saved for future projects.

'Previously, each cabinet would have to be created manually, but now parametric objects can be manipulated and re-used whenever necessary.

'The introduction of CAD+T's software has impacted massively on our production. Now, a job that would have taken us five days can be completed in three and even our most intricate designs can be created in the exact same way as our more straightforward designs.

Kitchen project from Nick Hudson Fine Furniture

'This has given us the ability to increase the number of jobs we take on and the level of complexity we are confident we can achieve in a shorter time frame,' says Nick.

'In fact, we've already seen turnover increase this year whilst maintaining the same number of employees,' he adds.



Kitchen model using CAD+T software.

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A NEW DIMENSION TO SOFT CLOSE DRAWERS

KITCHEN COMPONENTS



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

MAXIMISE EFFICIENCIES WITH THE HELP OF HESSE LIGNAL COATINGS

HESSE Lignal has developed a range of innovative coatings for wood, metal and glass finishes, helping kitchen manufacturers maximise production efficiencies, while also reducing costs and wastage to build a greener future.

Hesse Lignal wood coatings are ideally suited for all interior applications where a high quality, durable finish is required, such as in the kitchen.

Hesse Lignal is a market leader in Germany for “intelligent” lacquers and stains. Key to the success of this product range is a focus on quality and high productivity.

These premium wood coatings provide the applicator with vast productivity savings in application time and in the number of coats applied to reach required film build.

Also key to Hesse Lignal philosophy is the desire to create products which are environmentally friendly to both the applicator and the end customer.

This desire to create environmentally friendly products is evident with Hesse Lignal’s RS system, which has been formulated without the use of aromatic solvents, such as Xylene and Toluene.

In addition, the extreme low release of formaldehyde is reduced far below the E1 limit (0,1 ppm). This means that, after curing, the lacquer itself is not contributing to the release of formaldehyde in people’s homes - a feature of classic acid-curing

lacquers which release 10-25 times more formaldehyde.

Redwood Innovations is the UK’s leading supplier of coatings from Hesse Lignal, a German manufacturer renowned for its continued efforts to develop coatings that not only deliver a first-class finish on surfaces, but also help kitchen manufacturers reduce waste, protect the Environment and reduce business costs.

As part of Redwood’s Hesse Lignal range, the company stocks a number of highly durable primers, multi-coat and finishing lacquers.

Why Hesse Lignal?

With their impressive drying times, high solids content and pot life, Hesse Lignal products can save kitchen manufacturers significant amounts of time during the production process.

As well as reducing waste with extended pot life, sanding and coating time is also significantly decreased, thanks to a simple range of products with one hardener that can be used in clears, primers and colours.

What is more, as a company committed to reducing its negative impact on the Environment, Hesse’s coatings are formaldehyde-free and free from aromatic isocyanates.

Unlike traditional acid-curing lacquers, Hesse coatings do not contribute to the release of formaldehydes into the Environment,



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therefore ensuring the safety of both sprayers and consumers.

Why Redwood?

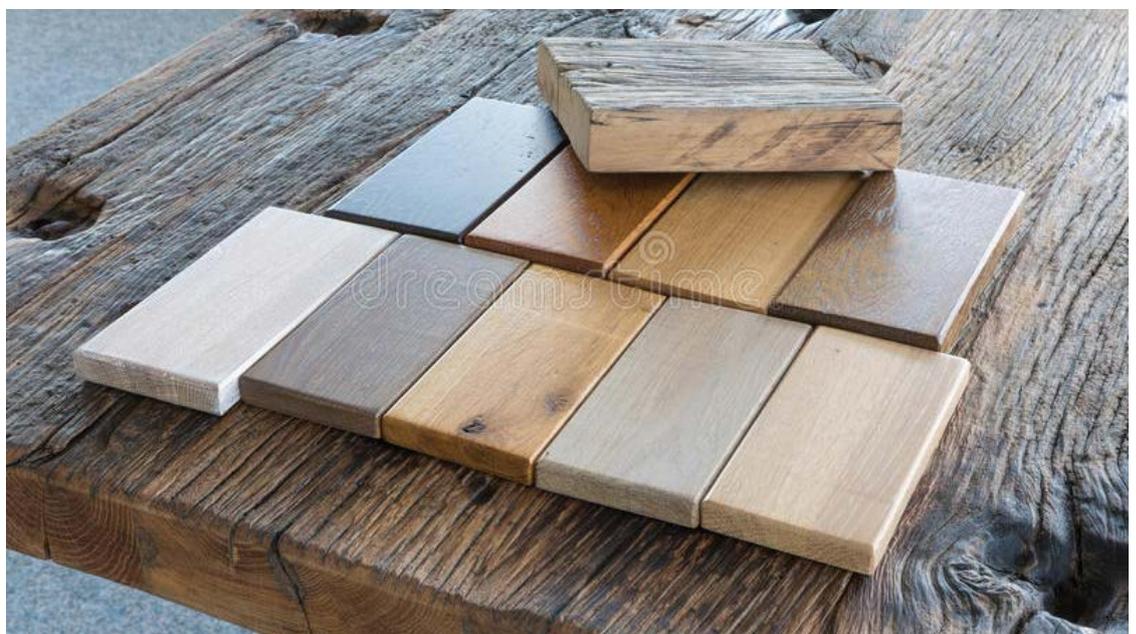
Unlike some other coating suppliers, Redwood Innovations goes far beyond the selling process.

With many years' experience in supporting kitchen manufacturers, Redwood can deliver expert technical advice that not only provides the customer with a suitable product recommendation, but also helps them improve the manufacturing process itself.

In addition, all of Redwood's Hesse Lignal coatings are available for next-day delivery nationwide when ordered before 2pm, providing a first-class customer service experience.



Want to find out more? Visit www.hesse-lignal.de



SPACE-PLUG SAVES TIME

SPACE-PLUG is undoubtedly the fixing of choice for fitting furniture, but did you realise it can save hundreds of acres of board!!

With Space-Plugs in the box, why have gables reach the wall? After all, we don't have the gables meet the floor, since we included the adjustable leg.

Save the board for the manufacturer and hours of scribing and handling for the fitter ... edge-banding stays intact and there is never a need to cut round a pipe again!

Chris Sharp Cabinets Ltd has made the change and are ahead of the game...

'Space-Plug AFS has definitely been a move in the right direction for us. We adopted the idea about 18 months ago, it's been a great success and we're very happy to sing its praises,' says operations director at Chis Sharp Cabinets Ltd, Paul Kettleborough.

'The saving in material means that we get far more parts from jumbo sheets and because of that, profitability has really increased.

'When we deliver to site, the units go straight into place. That really reduces handling.

'Our fitters, who weren't sure at first, are now over the moon with the flexibility and freedom it gives them.

'Our clients have given us some great feed-back - and if they're happy, we're happy.

'From our guarantees point of view, confidence is even higher knowing edge-banding never gets cut away and the unit always stays fully sealed.

'It's great news that it's made in Britain and that is something we pride ourselves on. We will definitely be customers for the foreseeable future.

'All in all, it's a great product and a great idea. We wish Space-Plug every success, with a simple, but massively effective bit of kit,' concludes Paul Kettleborough.

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Advanced Fixing System

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



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