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INDUSTRIAL WOODWORKING & PANEL PROCESSING

APRIL 2022

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SLIDING INTO THE ACTION

MARKFIELD Woodworking Machinery (MWM) has been supplying Martin Machines in the UK since 2008 and was recently appointed as the official and exclusive agents for England and Wales.

MWM has gained a reputation within the woodworking industry as a name to be trusted, with expert knowledge and a robust after-care service provided as standard.

This partnership brings together two of the most trusted names in woodworking machinery - both of whom have a long and successful history.

Since 1922 Martin has produced quality woodworking solutions worldwide,

including the new T77 sliding table saw with ConnectControl (as featured on Page 3).

On the new T77, it is possible to control up to seven axes with ease, the cutting speed can be precisely adapted to any material and the same blade can be tilted to one or two sides.

ConnectControl is a control concept that characterises the latest generation of sliding table saws from Martin.

With ConnectControl you have a uniquely designed, highly efficient control concept which opens up new horizons, as well as providing access to the modern world of data exchange.

For further information tel MWM on 0116 289 3469. Visit www.mwmachinery.co.uk



MAWERA OFFERS A RANGE OF BIOMASS HEATING SYSTEMS

AS A leading international supplier of biomass heating technology systems, Mawera offers a complete program for all energy source and performance ranges. Mawera specialises in the manufacture

of wood combustion systems - innovative wood-firing systems up to 8,000kW.

Biomass provides the most renewable energy, is steadily available and, unlike wind and solar power, it can be stored and used as required.

As a specialist for biomass boilers and power plants in the power range up to 8,000kW, Mawera is one of the leading full-service providers in this industry.

Found in 1975 Mawera focuses on the conception and implementation of biomass plants for industrial, commercial and municipal customers.

The company has more than 5,000 plants in operation in Europe alone.

For the full story, please turn to Page 12.



NEW TECHNOLOGY OFFICER AT WEINIG

WEINIG AG, the leading technology provider for the solid wood and panel processing industry and small businesses, has a new chief technology officer.

The supervisory board has appointed 56-year-old Dr Georg Hanrath as chief technology officer.

'With Dr Georg Hanrath we have been able to win an excellent, internationally experienced chief technology officer,' says chairman of the Supervisory Board, Thomas Bach.

'We are convinced that with the newly completed management board, we are now well positioned to successfully continue the future development of the Weinig Group,' adds Thomas Bach.



IT DOESN'T TAKE VERY MUCH ENERGY TO BE ABLE TO CONSERVE ENERGY!

WITH energy costs rising sharply, it's more important than ever for businesses to consider operating efficiency. Vacuum pumps are vital for many in the industry, but they can also be expensive to run and maintain.

A leading manufacturer of ready fit composite doors recognised this and invested in a dry claw vacuum pump solution from Vacuum and Pressure Ltd.

Multiple 4.0kW IE3 CNC specification claw pumps have been employed, reducing energy consumption by around 40 per cent per pump and providing savings of £10,000 per year!

In addition to savings made on servicing against previously used rotary vane vacuum pumps, which can be £500 per year per pump, the manufacturer reckons the savings are in excess of £15,000 per year.

Vacuum and Pressure offers service, repair, overhaul, spare parts and new pumps. With over 100 years combined experience you can rely on their independent advice to provide the best solution.

For further information tel Vacuum and Pressure on 0113 318 9391. Visit www.vacuum-pump.co.uk

HAVE YOU GOT
ONE OF THESE...



...THEN YOU NEED
ONE OF THESE

VACUUM AND PRESSURE VACUUM PUMPS FOR INDUSTRY

www.vacuumandpressure.com

To find all the latest news online go to www.industrialwoodworking.co.uk

Email us at: bill.willowe@gmail.com

INCREASE PRODUCTION CAPACITY WITH THE HELP OF A TUBE LIFTER SUPPLIED BY PALAMATIC

LOADING boards on to machinery can be an arduous task for operators within a woodworking production facility. Often this can be a two person task and comes with the risk of injury. It can also slow down the speed of production.

A solution to this is vacuum tube lifting technology, which offers a safe, simple and effective solution to product lifting and positioning in the workplace.

Palamatic has worked with customers within the woodworking industry for 35 years and understands the most effective methods that work best for the operator.

A vacuum tube lifter offers a very safe and easy solution for moving product within a manufacturing process. It consists of an electric vacuum pump, a lift tube assembly and an end effector.

The system lifts via suction created by the vacuum in a similar way a vacuum cleaner sucks up dust and makes the product weightless to the operator.

The jib, or suspension crane that the lifting systems are hung from is critical to offering an ergonomic solution that works for the operator.

Palamatic can provide H Style gantry systems to cover large areas, but its popular smaller swing jibs and low headroom centre posts can fit into areas where space is an issue.

Whether the application is to lift boards, doors or furniture, it is crucial to understand the sequence of operation in full and the characteristics of the product being handled when choosing a lifting solution.

The most common wood materials handled by Palamatic's lifting systems include Trespa Jumbo boards, Spandrel panels, MDF, MFC, Chipboard, Wood, Plywood and Sterling board.

Products handled include boards, doors, furniture, staircases, planks, timber sections, laminate surfaces and cabinets.

Palamatic regularly provides equipment for applications including loading and unloading vertical panel saws, beam saws, dimension saws, flat bed CNC stations edge-banders, laminators, paint lines and tilt tables.

Palamatic is also often asked to rotate boards through 90, or 180 degrees for loading and unloading purposes. Another common request is to grip doors by their edges, instead of using suction on the flat face to avoid wet paint/glue, which its systems can do with ease.

With Palamatic's 22,000ft² factory based in Chesterfield, Derbyshire, the company is well placed to visit customer sites and for customers to send it samples to test prior to manufacturing their vacuum tube lifter.

Palamatic uses its on-site fabrication centre to design solutions where an element of the application is unique to the customer.

In order to meet Health and Safety regulations, it is crucial that equipment is serviced regularly. Palamatic offers service contracts that include a thorough examination of customer equipment and replacement of parts to keep equipment and production running.

For further information tel Palamatic on 01246 452054. Visit www.palamatic.com



SMARTBENCH PRECISION PRO - THE FUTURE OF PORTABLE LARGE-FORMAT ROUTERS

YETI Tool, the home of the CNC Multi-tool SmartBench, has launched an updated and improved Precision Pro model, which the company believes represents the future of portable large-format routing machines for 2022 and beyond.

It's the flagship product in terms of Smart CNC routers and is perfect for delivering a supreme level of accuracy and ongoing performance from a CNC router.

The Precision Pro SmartBench has new and exclusive features added as the next level up from the SmartBench Precision model, which include:

- . Real-time spindle load display to access all cutting information.
- . Additional lead screw to improve rigidity in the Z axis.
- . Laser X/Y Datum to set a job start point accurately and quickly.

The Precision Pro SmartBench comes with ShapeCutter, a new console-based cutting App, which provides a powerful tool at the user's fingertips.

ShapeCutter allows users to quickly cut 2D shapes and they can also use Vcarve Pro and other software, such as Fusion 360 for more complex cuts.

ShapeCutter also provides a point-by-point job wizard that makes getting started a straightforward process.

Plans are in place to develop more Apps on the console to help users complete more complicated

cuts without the need for the operator to use a computer.

Precision Pro is the latest development in the SmartBench CNC routing machine range and provides users with the same reliable and repeatable performance as the Standard and Precision models.

SmartBench Precision Pro continues Yeti Tool's ongoing mission of providing a CNC that produces finished parts

time and time again. As with other SmartBench routers, Precision Pro gives users the ability to start with ShapeCutter to familiarise themselves with the process.

The easy-to-use set-up wizard walks you through the cut, while dedicated tabs allow navigation through set-up tasks. Users can move on to more complicated projects seamlessly.

'SmartBench is different to all the other machines, because it offers full-sheet CNC cutting, but the patented mechanics pack down into a small size,' says Yeti Tool co-founder and co-director, Andy McLaren.

'It's very fast to deploy anywhere and is opening up opportunities to bring CNC routing in-house for small- and medium-sized businesses,' he adds.

'Previously, the realm of CNC was a scary place with the need for trained operators. SmartBench Precision Pro helps our customers to find the confidence in this technology, enabling them to expand their commercial offering.

'SmartBench Precision Pro offers a professional solution with a reasonable price. The user experience is easy-to-use, intuitive and powerful.

SmartBench is claimed to be the world's first portable large-format CNC router.

'We're confident that the updates to our Precision Pro model will make it hugely popular in 2022,' concludes Andy.

The SmartBench Precision Pro from Yeti Tool - a unique, portable large-format CNC router, which provides affordable and accessible entry into the CNC market for business owners and hobbyists alike.



For further information tel Yeti Tool Ltd on 01275 217060. Visit www.yeti.tool.com

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Premium class
sliding table saws.

T77



ConnectControl
Technology



T77 with ConnectControl

The new T77 is a technological masterpiece. Even in its basic version, you can control up to seven axes with ease. The cutting speed can be precisely adapted to any material requirement or depending on your choice, you can tilt the saw blade to one or two sides. The new ConnectControl networked system also offers highly cloud-based work in every aspect.

ConnectControl is a control concept that characterises the latest generation of sliding table saws from MARTIN. This in-house invention is patent pending. With ConnectControl you get a uniquely designed, highly efficient control concept that not only opens up new horizons for machine operation, but also gives you access to the entire world of modern data exchange.

MARTIN

www.martin.info

England and Wales – MWM Markfield Woodworking Machinery Ltd. – www.mwmachinery.co.uk
Scotland – AWMS Engineering Ltd. – www.awmsltd.co.uk | WS Woodmachinery – www.wswoodmachinery.co.uk
Northern Ireland – Electro Tech Machinery Ltd. – www.electrotechmachinery.com
Republic of Ireland – HIGH-TECH MACHINERY Ltd. – www.high-tech.ie

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VACUUM PUMPS FOR CNC ROUTING TABLES

BECKER UK offers a complete line of vacuum solutions for the woodworking industry, including 100 per cent oil-less, dry vacuum pumps, deep vacuum oil-flooded pumps, rotary claw and the company's Advantage-W multi-vacuum pump systems.

These solutions minimise maintenance requirements, offer what are claimed to be the most efficient pumps and systems in the world and provide the strong vacuum hold-down that is imperative for keeping parts in place and reducing scrap.

Becker claims to have more experience providing pumps for router vacuum hold-down applications for CNC tables than any other industry manufacturer. OEMs rely on Becker because

the company understands their needs and responds with the appropriate solutions

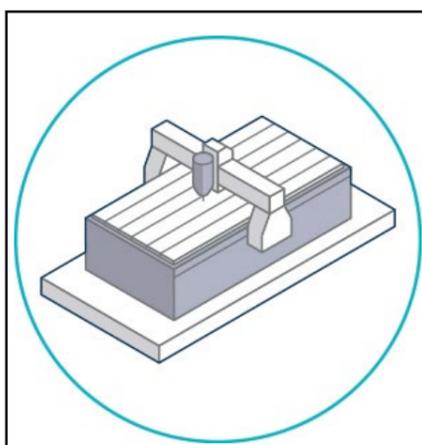
If you're an OEM, you have the advantage of knowing that a staff of experienced application engineers is available to work with you during the design stage to ensure that your equipment is optimised for efficient vacuum use.

PUMP SIZING FOR CNC ROUTER TABLES

Generally speaking, when you want to match the right pump to the table size, you need 5.5 CFM/ft² of surface area for spoil board, or nested base tables. Due to the small suction cups utilised by pod and rail tables, they require far less flow and typically use one size pump.

Table Size	Square Feet	CFM	Becker Pump	Becker Duplex System	CFM
4ft x 8ft	32	176	VTLF 2.250	WW 250 D	352
5ft x 10ft	50	275	VTLF 2.400	WW 250 D	352
5ft x 12ft	60	330	VTLF 2.500	WW 250 D	352
5ft x 20ft	100	550	—	WW 500 D	706
Pod and Rail	12	66	KVT 3.100	—	—

(This sizing chart is for estimating purposes only and you should consult a trained Becker representative to match the correct pump to your specific table. All calculations are based on sea level applications.)



CNC VACUUM PUMPS FOR YOUR MANUFACTURING COMPANY

Becker manufactures a wide variety of high-quality, powerful vacuum pumps for the various machines used in joinery workshops.

By using Becker pumps, you will receive the following benefits:

BECKER VACUUM PUMPS AND SYSTEMS

- Greater hold downforce.
- Maximum horsepower efficiency.
- Low maintenance.
- Easy and fast to service.

EXCEPTIONAL CUSTOMER SERVICE

- Experienced technical support.
- Knowledgeable inside sales and customer service.
- Fast turnaround time.
- In-house vacuum pump repair service.
- Becker genuine replacement parts.
- Large inventory.
- Same-day shipping available.

Becker understands that router breakdowns are costly, due to lost production and maintenance downtime. Becker's pumps solve both of these problems—and that's why more workshops choose Becker!



For further information tel Becker UK on 01482 835280. Visit www.becker-international.com/uk

VACUUM PUMPS – THE VITAL PRODUCTION ENGINE THAT KEEPS YOUR BUSINESS FLOWING

VACUUM is ever present in many industries. Despite being vital to the production process in so many diverse fields, vacuum can be taken for granted, or even forgotten altogether – perhaps because vacuum units are often hidden away inside a machine, or tucked away under footboards, or even moved into pump rooms away from everything else in the factory.

However, if these units fail, everything can stop, production lines can fail and costly machines can fall silent, costing businesses thousands.

And if you're unlucky, failures happen, just when production is at its busiest, or when there is that urgent job to finish for your most important customer.

With this in mind, preventative maintenance of your vacuum units should be fundamental to the workings of the production, or maintenance department.

Vacuum units for the woodworking industry tend to fall into two different categories of stand-alone pump units, the most common being the dry running rotary vane type but, more recently, claw pumps, which are the latest technology to make an impact in this market.

Dry running rotary vane units utilise a well-proven technology that has been the mainstay of CNC equipment and vacuum jigs for many years.

They are robust and reliable and, with the right maintenance schedule can be free from extremely inconvenient failures and expensive repairs.

These units probably need checking approximately every 2000 hours of use for vane wear, filter cleaning and for greasing points to be undertaken.

Claw units are the relatively new pumps on the block. They have rotating lobes, or

“claws” that are machined to exact tight tolerances to produce the required vacuum.

The advantage of this technology is that there are no vanes to change. However, the units can be noisier than their dry running counterparts and, if they do fail, with the claw suffering mechanical pick up, then repairs can be costly. Nevertheless, the life span of a claw unit should be substantial, even if the initial investment is higher.

There is also the prospect of centralising your vacuum requirement into a pump room, or area away from the factory floor. This reduces noise and heat in the workplace, helps with energy saving and makes access to the units for routine maintenance easier.

Units are linked in from the pump room to a ring main, which circles the factory and pipe drops are made from there to relevant machines.

Centralised control ensures that the pump units and motors are being worked efficiently and “on demand” not at full capacity when they don't need to be.

There is a capital expenditure to consider for centralising any vacuum system, but the return on investment is made through energy savings and maintenance down time costs.

There are some types of pump it is best to avoid – or replace, if you already use them.



Vacuum Pumps UK customer, the Box Drawer company, runs a 3m x 2m vacuum bed. The pumps are vital to this equipment – but out of sight.

Some woodworkers use oil lubricated rotary vane type pumps, which produce a level of vacuum too deep for the holding process and can exhaust oil mist into the factory and be troublesome at best.

It is worth looking at independent pump companies, such as Vacuum Pumps UK, which not only offer new, refurbished and hire pumps at competitive prices, but also have experts on hand for planned maintenance and repairs, as well as offering spare parts.

The advantage of shopping away from the manufacturers not only gives you a lower price point, but also gives you a truly independent assessment of the best and most cost-effective option for you.

So don't neglect your pumps! They are a key component in your production. Having a good maintenance routine and a reliable source for pump products means that you will be able to concentrate on your production throughput and efficiencies and thus maximise revenue and margins.

For further information tel Vacuum Pumps on 0113 208 8507. Visit www.vacuumpumpsuk.com



VTLF2.250 rotary vane.

PA.155 claw unit.

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INVESTING TO PROGRESS IN BOTH TRUCKS & PEOPLE

A BRAND new degree course offered by Sheffield Hallam University has commenced: the BSc (Honours) Packaging Professional degree apprenticeship.

There are 12 places on the first course, five of which are occupied by employees of Kite Packaging keen to become experts in their field to support the continued growth of the largest online packaging distributor in the UK.

Kite Packaging has heavily invested in the personal growth and training of its staff since their founding when they began their graduate scheme in the same year.

This new qualification combines the studying of a university course alongside 30+ hours of employment a week, thus allowing the individuals to gain invaluable industry experience in addition to specialist learning. This aligns seamlessly with Kite's values of work ethic partnered with perpetual education.

Over the four years, the course will cover a range of modules including Art & Design aspects of packaging with sustainability, project management and analytical considerations.

Additionally, engineering areas, such as materials science, testing & regulations and manufacturing & production will be taught in depth, completed with Personal Professional Development studies.

By being able to apply the learning directly into a workplace, the employee is granted an excellent balance of theory understanding and hands-on training.

The students will gain a specialised qualification without having to pay any student fees all while earning a salary and the company will acquire highly skilled workers equipped with the knowledge to shape the future of the packaging industry.

As a company powered by employee share-ownership, Kite is dedicated to the continual growth of its individuals for the amplified benefit of the group as a whole.

Elsewhere, Kite Packaging has elevated its enterprise with the introduction of eight new delivery vehicles in order to continue the company's rapid levels of growth.

This investment will supplement the vast increase in demand for Kite's packaging products, allowing the business to maintain a quick delivery turnaround. Currently, Kite has a standard 2-4 working day delivery, which is free for orders over £100 and the option to upgrade to next working day delivery for an additional fee.

The updated trucks are the latest specification DAF 18 tonne Euro 6 rigid body lorries with a combination of tail lifts and towbars.

They will be stationed at the North East, Rotherham, Midlands, Swindon, Letchworth and Portsmouth Regional Distribution Centres (RDCs).

Therefore, this development will have significant impact across the country, empowering Kite to have a greater all-round accessibility to its customers.

For further information tel Kite Packaging on 024 7624 0065. Visit www.kitepacking.co.uk



A WISE DECISION IN THE WAREHOUSE

BUSINESSES are seizing the opportunity to utilise cutting-edge technology, increasing their offering and unlocking the true potential for warehouse automation.

One such company which has seized the opportunity to do just that is L & S Engineers - one of the UK's largest and most successful spare parts companies, supplying spares and consumables to large businesses, as well as to local councils, smaller firms and to the public. The company currently operates the Q3 robot by WiseRobotics.

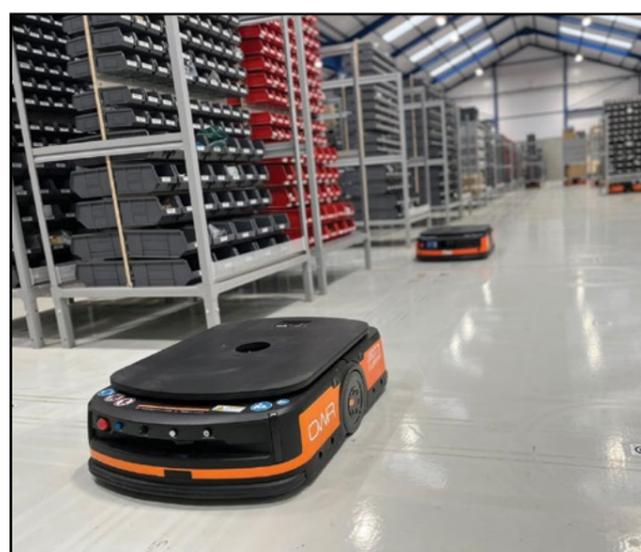
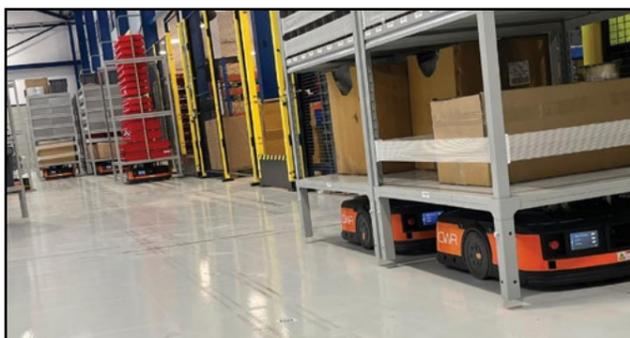
The Q3 robot is both quick and compact, ideal for rapid goods-to-person solutions, or accelerated inventory movement operations, achieving faster picking times.

L&S has achieved a productivity improvement of 40 per cent in the company's warehouse operations, with pick throughput being up by 150 per cent. Likewise, there has been a reduction by more than half in the company's pick error rate, due to pick to light, touch screen and static pick stations.

Additionally, replenishment throughput has since doubled and space utilisation is up by 26 per cent with only two aisles

needed as opposed to three previously. The company's stock accuracy is up, with stock now being secured more carefully in order not to fall off mobile racks, creating a cleaner and tidier warehouse overall.

For further information tel Wise Robotics UK on 01522 704083. Visit www.wiserobotics.com



PROGRAM OF SCALING UP THE IN-HOUSE PRODUCTION OF RESIN MANUFACTURING

AkzoNobel has announced plans to invest in the expansion of in-house resin manufacturing as part of its Grow & Deliver strategy.

The scale-up program, which is already underway, will help build resilience against supply disruptions, while making an important contribution to achieving the company's financial and Scope 3 (upstream) carbon reduction ambitions.

Resins are a key ingredient for making coatings; they're used as a binder to hold the pigment particles together and provide adhesion to the coated surface.

'All of our businesses use resin and while we produce a good proportion of what we need ourselves, commodity and other specialty resins need to be sourced from third parties,' explains AkzoNobel's chief commercial officer for performance coatings, Michael Friede.

'Further investing in our own resin capabilities will help us to secure sustainable business growth, as well as supporting our innovation pipeline and sustainability targets,' he adds.

The plans include investing in sites, equipment and the people needed to optimally run them. They were developed after an

internal resins team was tasked with investigating opportunities to unlock more value and make the company more self-sufficient. The investment is expected to contribute around €15 to €20m in EBITDA by 2023.

'It quickly became apparent that investing in our own resin capability was the way to go,' continues Michael.

'It will enable us to secure raw material supply to optimally support our Grow & Deliver ambitions and, at the same time,



we'll look to generate extra value by leveraging and optimising the volumes we don't bring in-house with our network of external partners.

'We're well aware that demand for resins is only expected to increase,' he adds.

'Meanwhile, our resin manufacturing sites have extra production capacity available. So the decision to increase our investment in the production of resins at favourable economics is intended to add important value to our customers and our company,' continues Michael.

The investment is perfectly in line with AkzoNobel's "People. Planet. Paint." approach to doing business.

It will specifically contribute to the company's officially validated science-based sustainability target of reducing carbon emissions across the value chain by 50 per cent by 2030. This target is also aligned with the 1.5 deg C pathway of the Paris Agreement.

For further information visit www.akzonobel.com

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WEINIG SUBSIDIARY, RAIMANN ARRIVES AT NEW LOCATION

At the beginning of the year, Weinig subsidiary, Raimann Holzoptimierung GmbH & Co. KG moved from its previous production site in Freiburg to its new premises in Malterdingen.

Located just 17 km from the previous site and two minutes from the nearest train station and autobahn access, the new, fully modernised production facility is designed to accommodate further growth in production and staff.

The subsidiary of the leading technology provider for the solid wood and panel processing industry has been firmly established in the region around Freiburg for more than 150 years.

Raimann's relocation from Freiburg to Malterdingen, 17 km to the north, was announced as early as last summer. It has now been completed.

Not only the machines and office space have been relocated. Due to the closeness of the new site, the entire workforce has also been retained and has supported the move.

Product manager for the cutting (ripping) area, Sven Niedermüller says he and the other employees were pleased with the change and the resulting opportunities.

Firstly, it gives them a long-term perspective for and with the company and, secondly, the move to renovated and refurbished buildings with ergonomic workstations brought a very welcome upgrade to the working environment.

The move marked the start of a comprehensive modernisation concept that goes far beyond the building infrastructure.

The company has initiated the move towards paperless production and is working on various "adjusting screws" for a more ecologically sustainable industry.

The conversion of the heating system (currently a natural gas system) is only one step in the planning.

The fact that employees can travel by train in an uncomplicated and environmentally friendly manner – Malterdingen has a direct connection to Freiburg – further benefits these efforts.

Raimann has set further growth as a goal. Various production areas, such as band saw assembly, have been given their own line in Malterdingen to best serve current and future market demand.

In order to achieve this, the company is also seeking to expand its workforce. Raimann's managing director, Detlev Huber says that the company is already in the process of increasing the number of employees.

For Freiburg and its vicinity, this means having a strong, growing employer in the region. On the other hand, the woodworking industry can look forward as usual to the superior-quality, high-performance Raimann products and the well-known system competence of the Weinig Group.

Over the years, as a company Weinig has always been keen to upgrade its premises, with the result of having an improved working environment for both management and employees alike.

For further information Visit www.weinig.com



Bright rooms and ergonomic workstations at Raimann's new location.



Production is already running again.



The new storage system for optimised processes.



A look inside one of the new halls.

WEINIG GROUP LAUNCHES MAJOR INVESTMENT PROGRAM AT HOLZ-HER

THE WEINIG Group, the leading technology provider in the woodworking industry, is investing 15 million euros in its panel processing division to promote its subsidiary Holz-Her.

The company, which has been part of the Group since 2010, began to reach its capacity limits in 2019, which is why a large-scale investment project is expected to significantly increase

capacity and enable any further company growth.

Holz-Her, a machine manufacturer founded in 1914, has grown so strongly in recent years that it has repeatedly reached the limits of its production capacity.

The first investments to expand steel machining were already made in 2018. However, in 2019, things quickly became tight again. For this reason, the management board and supervisory board agreed on a comprehensive investment program in three stages:

1. Further expansion of steel machining and extension of assembly areas. In addition to the investment made in 2018, there will be a new hall and a new centre for steel machining. The assembly area will be expanded by 1,700m².

2. Re-design of the logistics concept at the production site. The existing logistics concept will be comprehensively revised and restructured. For this purpose, new warehouses with a high level

of automation will be built (for pallets, bars and small parts).

3. Expansion of the showroom and renovation of the office premises at the Voitsberg site. The investment totalling 15 million euros will thus not only increase production capacity, but also create space to expand the company's product portfolio in the future.

In view of the investments already made in 2019 and 2020, which were primarily aimed at the sales, service and development site in Nürtingen, Weinig once again underlines the importance of Holz-Her for the entire group.

The investment in the further expansion of the sites is also a signal to the employees that Weinig is clearly committed to Voitsberg and Nürtingen and fully supports them in their further development of Holz-Her.

The Weinig Group is well positioned with its two divisions - Solid Wood and Panel Processing. This is due not least to the special commitment of its employees, to whom the company would like to express its gratitude.

'We are very much looking forward to continue shaping the future of Holz-Her together,' says chief executive officer of the Weinig Group, Gregor Baumbusch and managing director of Holz-Her, Frank Epple.

For further information Visit www.weinig.com



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CUTTING DOORS TO LENGTH PROFESSIONALLY IN A TOTAL OF NINE EASY STEPS - ADVICE ON THE FITTING OF DOORS PROVIDED BY FESTOOL

DURING the course of any renovation or restorations of an old building, it is not uncommon for the floor to have been laid perfectly, but the doors do not subsequently fit in the frames.

What happens then?

At this point, it is more a question of precision than guesswork.

Whilst such an occurrence is not usually a surprise, it still causes problems: you may be celebrating the fact that the parquet flooring has finally been laid, but then you discover that the doors no longer fit in the frames. Obviously that needs to be fixed.

Festool's training consultant, Nadja Körbel explains the best way to go about this and what you need to watch out for.

Precision not guesswork is needed

If you establish that the doors do not fit in the frames, proceed as follows:

In order to protect your body, you should ideally remove the doors, so that your back is holding the door and your knees are bearing the weight.

Measure the required length directly on the frame: In doing so, take the measurement precisely and measure the distance along the frame from the top edge of the door hinge to the floor – on both sides.

In order to work in a comfortable position, lay the door on two stands.

Festool's STM 1800 mobile saw table and workbench is also ideal for this purpose.

When the door is securely positioned on the work surface, transfer the measurements you have taken.

Nadja Körbel recommends using a guide rail to precisely cut the door to length. This can be easily positioned in the lower groove, using a fastening clamp.

Then make any fine adjustments to the guide rail by aligning the guide rail, so that the splinter guard is positioned exactly on the mark.

Now comes the crucial work step:

'For a precise cut, I prefer to use Festool's new TSC 55 K plunge-cut saw with KickbackStop, together with the CT extractor. This ensures a perfectly precise cut, which can be achieved free of cables and dust,' recommends Nadja Körbel.

Next, the training consultant blunts the edges by lightly grinding the cut edges using a hand-sanding block, or abrasive sponge.

Last, but not least, she hangs the door, makes any fine adjustments via the door hinges and leaves the construction site clean by using the CT Midi extractor to clean up everything, leaving it dust free for the customer.

Further information visit www.festool.co.uk



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BIESSE CREATES DEDICATED TEAMS TO FOCUS ON DIFFERING CUSTOMER NEEDS

BIESSE Group UK, a leader in machining technology, has announced a commercial restructure that will significantly enhance the customer experience and support the company's ambitious growth plans.

The remodelled commercial business will comprise two distinct teams that have been structured around customer requirements: one will focus on stand-alone machines and the other on key accounts and larger, more complex projects involving conveying, integrated lines, full factory layouts and automation.

This binary structure makes provision for the contrasting sales, project management and servicing approaches that are required for these two customer groups.

It will ensure that all customers benefit from a streamlined service delivered by a responsive, accessible team that is solely focused on their needs and commands specialist knowledge of their sectors.

'A wide range of different factors fed into Biesse's decision to restructure the business,' explains Biesse Group UK chief



Left to right, Biesse's Andre Myers, Steve Bulmer and Paul Willsher.

executive officer, Steve Bulmer.

'More and more of our customers are looking to automate and they are looking for a very different relationship versus those customers who come to us for individual machine purchases,' he adds.

'With the previous structure, the commercial team was having to switch between the two. This was not only resulting in a level of responsiveness we weren't happy with, but was also restricting our ability to capitalise on the growing demand for automation.

'Creating two dedicated teams will allow us to do a much better job for our customers and to realise the vision we have for our UK business,' concludes Mr Bulmer.

Paul Willsher, formerly brand sales manager CNC & Drilling, will head up the machinery sales team, as UK commercial director, Wood. Under his leadership, the team will be charged with growing sales of Biesse's wood processing machines and delivering a world-class customer experience.

Paul joined Biesse seven years ago as an area sales manager and has vast experience in programming and operating CNC machinery in the joinery, shop fitting and office furniture sectors.

His team of six area sales managers, between them covering the entire UK, will be the first point of contact for customers. They will be supported by three brand sales managers, who have the in-depth machine knowledge to provide technical assistance and prescribe the best, application-specific solution.

'From many years in the wood manufacturing industry, I completely understand the challenges that our customers face,' says Paul.

'I am looking forward to drawing on this experience to drive a team that is committed to helping customers arrive at machining solutions that will address their pain points.

'By having a dedicated team that is singularly

focused on this outcome, we have the best possible chance of supporting our customers and delivering growth for the business,' concludes Paul.

André Myers, formerly a regional sales manager, will be responsible for the new Key Accounts & Integrated Systems team, as systems & key accounts director.

Prior to joining Biesse 12 years ago, André was part of the senior management team at a furniture manufacturing company and went on to run his own furniture business, giving him a commercial grounding that has since proved crucial when supporting customers on major investment decisions.

Thanks to the new structure, customers under his charge will have a dedicated point of contact and a direct line to the Group's technical team in Italy, facilitating the smooth handling of processes, such as factory testing, commissioning and logistics for an enhanced customer experience.

'System integration projects require a long-term partnership approach,' says André.

'Our customers need to be dealing with specialists who can advise on layouts, capacity, ROI and so on, together with large projects spanning several months need to be carefully structured and managed to minimise downtime and risk. Our dedicated systems team is looking forward to providing the continuity and knowledge that these projects demand,' concludes André.

The formation of the new key accounts & integrated systems team reflects a wider automation and digitalisation trend that is gaining traction across the UK's materials processing industries.

With this new model, Biesse is perfectly placed to help customers improve operating efficiency and deskill complex processes through digital transformation and automation in their machining operations.

For further information tel Biesse on 01327 300366. Visit www.biesse.com

MICROVELLUM & BIESSE - PROVIDING THE RIGHT RECIPE FOR KITCHEN MANUFACTURING

MICROVELLUM software has proved the perfect fit for The Kitchen Works, streamlining its processes and delivering on flexibility and freedom for the team.

The Kitchen Works is a leading kitchen manufacturer, based in Gateshead in the North East. With over 25 years of experience in kitchen design, manufacture and supply, the company's products are built to the highest standards, utilising the latest software and machinery in its state-of-the-art factory.

According to company director, Graeme Latimer his 35 members of staff are producing around 100 kitchens per week and supplying studios throughout the UK.

'We have a reputation for helping bring our clients' vision to life, no matter the complexity. These days, making that happen is easy. Not too long ago, that wasn't always the case,' says Graeme.

In 2014, after learning the manufacturing software that had been relied on for years was no longer being supported, Graeme and his team set out on a mission to find an alternative solution.

'Our old software worked well for our basic needs. Projects were completed on time and our clients were happy with our work. I must admit, we were dealing with too many issues that required constant attention,' explains Graeme.

The requirements for the new software seemed simple enough to Graeme - it had to provide the flexibility to create specialty units. It had to enable his team the freedom to provide clients what they wanted without feeling "boxed in" or limited in any way.

It also had to be capable of producing code for all the company's CNC machinery - removing

the need for secondary software and/or manual program modifications on the factory floor.

Most importantly, the solution needed to be capable of receiving project data from other design software - eliminating the need for redundant processes related to secondary project creation and the re-entering of cabinet specifications.

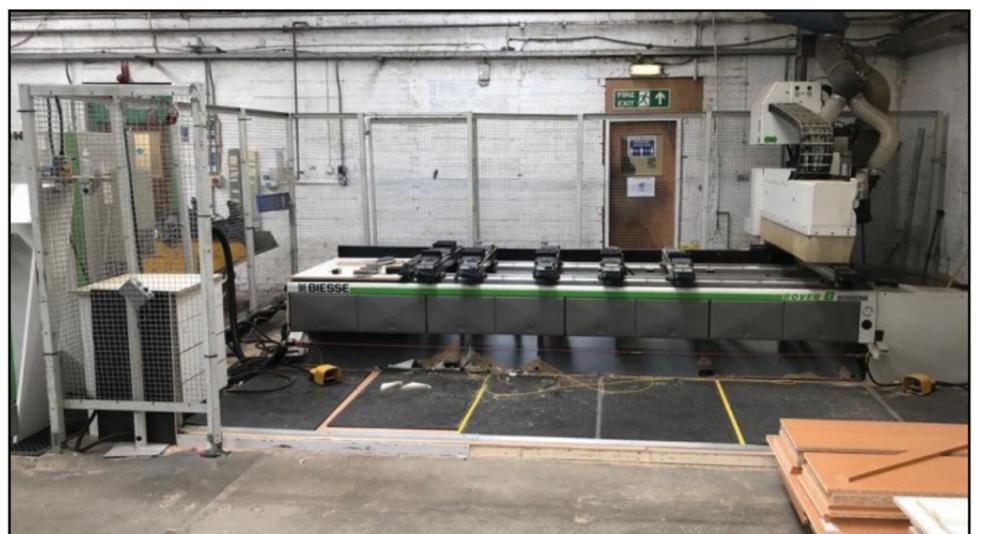
'We looked at a few different software packages but, ultimately, chose Microvellum because of its flexible cabinet libraries, engineering tools and power to support our order workflows,' explains Graeme.

'Nearly every project we put through to production will have a unit that does not exist in our catalogue. Using Microvellum, we can create these units with relative ease.

'We have a seamless process from the moment the order is approved by the client with no need for any intervention, or modification. Project data is imported, work orders are produced and CNC machine programs are automatically generated for all our machines,' adds Graeme.

The Kitchen Works factory is equipped with CNC machinery from Biesse. It includes three Biesse Selco beam saws, a Biesse Rover B point-to-point, a Biesse Insider FT2 and a Brema Eko 2.2. CNC programs are created within Microvellum and distributed to each machine on the factory floor.

Today, Microvellum and Biesse are at the heart of the manufacturing processes at The Kitchen Works. According to Graeme, they found the "perfect recipe" for kitchen cabinet manufacturing and the business is thriving.



For further information tel Biesse on 01327 300366. Visit www.biesse.com
For further information on Microvellum visit www.microvellum.com

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THE global energy situation is characterised by limited natural Mawera wood combustion systems – innovative wood-firing systems up to 8,000kW gas and oil reserves as consumption increases.

In addition, increasing CO2 emissions heat the earth's atmosphere and thus lead to climate change.

This forces a responsible use of existing resources and requires more efficiency and the increased use of renewable energies.

Biomass plays a unique role here. It provides most renewable energy, is steadily available and, unlike wind and solar power, it can be stored and used as needed.

Wood as a fuel remains cost-effective in unpredictable energy prices, burns CO2 neutral and, in conjunction with sustainable forestry, helps implement environmental and economic goals.

As a specialist for biomass boilers and power plants in the power range up to 8,000kW, Mawera Holzfeuerungsanlagen GmbH is one of the leading full-service providers in this industry.

Mawera Holzfeuerungsanlagen focuses on the conception and implementation of biomass plants for industrial, commercial and municipal customers.

With an export share of around 88 per cent of sales, the company is internationally orientated, with more than 5,000 plants in operation in Europe alone.

Mawera Holzfeuerungsanlagen was founded in 1975 as Mawera and currently employs around 120 people in Austria.

From boilers through to fuel delivery systems and exhaust gas cleaning, all wood fuels are suitable.

Essential features include the different firing systems, which are individually planned for each project and tailored to the customer's needs.

Depending on the heat demand, hot water, steam, or thermal boilers are available. Mawera supplies the tailor-made systems turnkey and also provides the necessary accessories.

Services such as conception and assembly, organisation emission measurements and the renovation of old plants complete the offer.

As the leading international supplier of biomass heating technology systems, the Mawera company offers a complete program for all energy source and performance ranges.



For further information tel Mawera on 01543 258844.
Visit www.mawera.co.uk



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RHI AND ENVIRONMENTAL COMPLIANCE SOLUTIONS FOR ALL THOSE PRODUCING OF WASTE WOOD

ECS (Environmental Compliance Solutions), based in Staffordshire, offers compliance services specifically to waste wood and biomass boiler operators. Company founder and director, Amy Fielding (pictured) has been working within the waste to energy market since the mid 1990s.

The main focus of the company is supporting participants of the NDRHI (Non Domestic Renewable Heat Incentive), to ensure that they are meeting ongoing obligations to the scheme and relevant environmental regulations. The aim is to adopt a proactive approach and protect their biomass boiler investment.

There are a number of elements to take care of, some of which include: correct fuel reporting, BSL (Biomass Suppliers Listing), fuel quality and contamination, permitting and planning.

Ofgem, the administrators of the RHI scheme, is obliged to ensure that participants adhere to the regulations and ECS are best placed to help with this.

The regulatory requirements for the installation and

operation of biomass boilers have tightened up significantly since they have become a popular investment to use on-site generated waste wood and produce energy, rather than sending to landfill. This is to ensure that the fuel used is suitable for the plant design and does not have a detrimental effect on air quality.

There are new fuel quality standards being introduced in April this year and it is essential that operators of biomass boilers can prove that they can meet them. This will either be by applying to Woodsure, who manage the BSL (Biomass Suppliers Listing), or self-reporting to Ofgem. ECS can also assist with waste wood classification.



If you are a participant of the RHI scheme and using waste wood as a fuel, it is important you can demonstrate to Ofgem that the fuel meets the regulations in terms of biogenic content and as listed on the RHI emissions certificate, or environmental permit. ECS works with a highly respected UKAS accredited fuels analysis company, complementing their compliance offering.

Amy Fielding is also part of the REA (Renewable Energy Association) Wood Heat Form Steering Group committee and the Woodsure (BSL) Fuel Quality and Waste Advisory Panel, meaning that she and her colleagues are kept abreast of RHI and environmental policy.

ECS offers a flexible and pragmatic approach towards helping operators of biomass and waste wood boilers, from ongoing support subscriptions to one-off compliance works.

For further information tel; Amy Fielding on 01785 859225. Visit www.envirocompliant.co.uk

DIVERSIFICATION & NEW PARTNERS SEE FLAMEFAST EXTRACTION SOLUTIONS GAINING MOMENTUM

WITH more than 30 years' experience in fume and dust extraction, Flamefast Extraction Solutions (FXS) is able to design, supply and install a far-reaching range of wood waste, dust extraction and fume extraction products, spray booths/spray rooms and engineering solutions to suit a host of applications.

FXS carries out everything from duct work and system design, planned maintenance contracts and LEV and servicing, to reactive breakdown visits, LEV monitors manufacture and installation, as well as intelligent extraction-on-demand systems.

'During the past 18-months business has remained very buoyant across all divisions of Flamesfast and we are now capitalising on a significant opportunity presented within the industrial extraction sector,' says group managing director,



Steve Swinden, speaking on behalf of the company.

'In recent months we have seen significant growth and diversification through our intelligent and select employment strategy.

'We are also rebranding for the future of the business and building a team around the new management structure – driving the business forward with the full backing of the group,' adds Mr Swinden.

'Working with select industry partners, we are extremely proud to have been selected as the UK installation and service partner for the Schuko brand,' says FXS managing director, Jane Warburton.

'Schuko is a brand well known to our Industrial Dust Extraction General Manager, Andy Hives and the trust between Andy and Schuko built up over several years made it an easy decision for Schuko to award FXS as their official partner for the UK,' adds Jane.

'Adopting Smart Air to provide energy-efficient dust extraction systems was a no-brainer for Andy and head electrical engineer at FXS, Nick Fisher,' Jane continues.

'Our industry knowledge and new partnership with Smart Air will see the introduction of this technology into new industrial sectors, providing a fantastic opportunity to provide energy efficient dust extraction systems, future-proofing significant capital investment in dust extraction systems and equipment.

'Capitalising on the management's industry experience, it is vital that we become recognised for the quality of our

workmanship and the products we supply.

'Given the bespoke nature of the services we offer, lead times are difficult to quote, but we can tailor make the package around the customer's needs,' says Jane.

'For breakdowns when timing is obviously critical, our team of engineers pride themselves on the ability to react as soon as the call comes in.

'We are working with our supply chain to build a stock-holding of all critical components in Warrington to prevent any lengthy down times for stricken customers.

'For capital equipment we can easily work within the supply times of the manufactures of woodworking equipment to ensure the smooth connection into new, or existing dust extraction systems.

'Our engineers are based throughout the country to ensure the customer experience is one to remember and recommend,' says Jane.

With a full roster of products and services, Jane points out that the company's main strength is its people.

'We have three offices within the UK – the head office in Warrington, a sales office and warehouse in Sheffield and we also have an office in Paisley, Scotland,' concludes Jane.

For further information tel Flamefast Extraction Solutions on 01925 281230. Visit www.flamefastextractionsolutions.co.uk

NESTRO PROVIDES A NEW RELIABLE FILTER SYSTEM FOR DOOR MANUFACTURER

VIRTUOSO fabricates and manufactures doors in a large range of styles and finishes to suit every application from its 120,000ft² factory in the North East of England.

Virtuoso Doors has experienced significant growth as a company and has now made a commitment to helping its customers achieve the same kind of growth.

The team achieves this by offering market-leading products, ensuring that it stays at the forefront of industry developments and reacts early to any anticipated market changes.

Nestro Lufttechnik GmbH from Schkölen in Thuringia, Germany, undertook the challenge to provide a new reliable filter system for the new production facility.

The company has been in business for more than 40 years and is known in Europe and beyond for its high-quality products and services.

For this purpose, Nestro used a NSJ 11/5-48 vacuum filter consisting of six elements with jet compressed air cleaning. This filter has a modular structure and can therefore be expanded at any time with additional filter modules and additional fans.

The initially installed system has dimensions of 7,226mm in length, 2,827mm in width and 12,448mm in height. The screw conveyer transports the material to an Atex rotary valve where it is safely discharged. Having passed the EW 90 test, this filter could even be placed up to a metre away from a non-combustible building wall.

The filter is equipped with five high-quality energy-saving

negative pressure fans designed for a total air volume >90.000m³/h.

'In addition, a pre-assembly chamber ensures that dust and chips fall mainly directly on to the screw conveyer without blocking the filter hoses, which saves energy and compressed air for cleaning,' explains regional sales manager, Martin Duchowski.

'The filter elements are equipped with high quality anti-static filter material where a residual dust content of <0.1 mg / m³ can be guaranteed. So, the air is returned into the building to lower the heating cost. The return-air system is as well equipped with an explosion panel for additional security,' adds Mr Duchowski.

For the customer, the implemented negative pressure system means significant advantages in terms of energy efficiency and noise emissions.



Closed high-performance impellers could be used for the five clean gas fans used. Compared to raw gas fans, up to 30 per cent higher efficiency can be achieved.

The frequency converter used for one of the fans enables the total fan output to be precisely adjusted to the actual air requirement. With a changing simultaneity factor, considerable energy cost savings can be expected compared to conventional controls.

The soft start system prevents current peaks when starting work in production.

A clean gas fan is not subject to wear and tear, because it only transports clean air. This also means a reduced risk of fire, as no metal particles can reach the fan impeller.

In order to reduce assembly times Nestro can deliver its filter systems pre-assembled, as was the case at Virtuoso Doors. The mounting time is reduced significantly, which makes things easier for the organisation of the build-up.

Founded in 1977, Nestro® Lufttechnik GmbH is one of the largest established European manufacturers of extraction and filter technology products and systems, downstream heating technology and surface engineering (extraction of grinding dust and paint mist), as well as sorting and disposal technology. More than 150 employees are engaged in development and production.

For further information visit www.nestro.com

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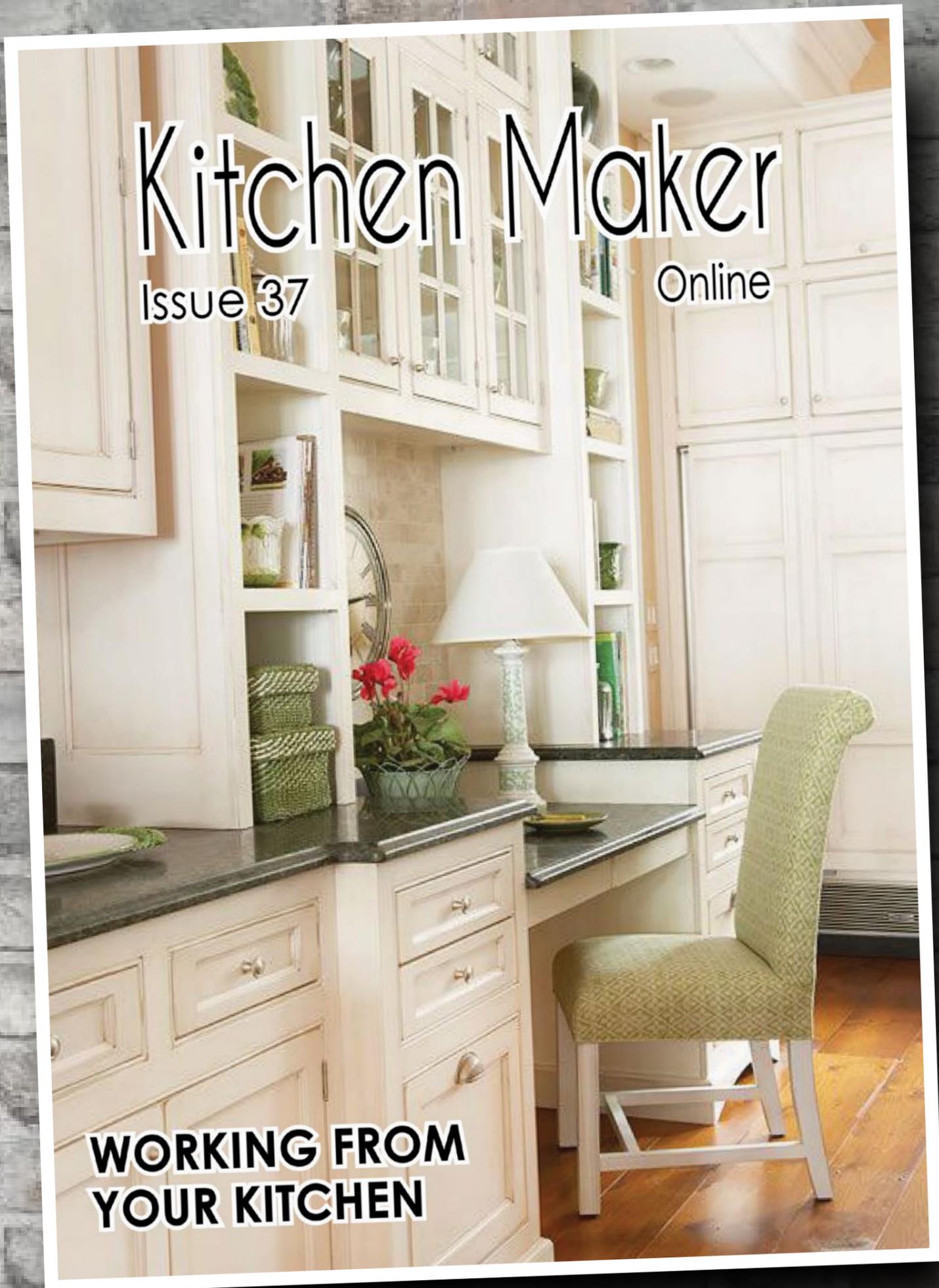
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