

Best Practice

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PLANTx 2018: 'Powering Industry & The Home'



Established over 50 years ago, EA Technology specialises in providing distribution network solutions for the electricity supply sector. With customer service at its heart, EA Technology is proud to boast their 'rich history and strong track record in delivering quality, value-adding projects' to all of their customers.

PLANTx 2018 is a must for engineers and industry specialists that are involved with services such as standards, electrical fittings, civil works, health & safety and procurement. The exhibition attracted visitors from a wide range of sectors, including electricity utilities, network operators, IDNOs, rail, renewables & plant, and switchgear OEMs.

EA technology website. Alternatively, you can contact the company via telephone or email.

T +44 (0)151 347 2220
events@eatechnology.com
<https://www.eatechnology.com/news/events/overhead-lines-colloquium>

Don't miss this opportunity to come and talk, listen and learn with your industry colleagues.

We look forward to seeing you on the day at this year's PLANTx 2018.

This summer, EA Technology hosted 'PLANTx 2018,' its third major industry exhibition event. The first of their three events were focused on overhead lines, last year focused on cables and relevant industries associated with this sector. This year, PLANTx 2018 have focused on electrical plant, switchgear, automation battery storage and general substation infrastructure. The exhibition has been devised by engineers for engineers, with the aim of sharing and learning from the experiences of those who operate in the electricity industry, including professionals who are involved in the design and operation of electrical transmission, distribution plants, switchgear and general substation assets.

The one-day event was hosted at the Chester Racecourse on the 6th June 2018 which spanned an exhibition area of 4,000m². PLANTx 2018 included over 90 exhibitors, 8 technical seminar sessions and 15 interactive demonstration sessions for visitors to participate in. EA Technology were close to 1,000 visitors at the exhibition and 350 people at the social event the night before, known as the 'BBQ evening.' The BBQ evening was a great way to network in an informal setting, ready for the main event the following day.

For further information, general enquiries or to the downloadable brochure, please visit the



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see them to the right



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Dash Dynamics
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The UltraTEV Detector
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*IEEE Transactions on Industry Applications, (Volume:38, Issue: 6, 2002)

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TCFM contract at Eden Walk, Kingston



TC Facilities Management (TCFM) is now delivering Cleaning and Security Services at Eden Walk in Kingston, part of the Regional multi-let retail portfolio managed by Broadgate Estates and owned by British Land and USS. This new contract commenced on April 1st and will help enable the 10 million visitors that go to Eden Walk each year to have a safe and enjoyable shopping experience.

The team from TCFM, led by Andy Farley, TCFM Contract Manager, will ensure that the extensive cleaning & security expertise along with the

standards that TCFM are renowned for in other Retail and Office sites are replicated, and with it will enable Eden Walk to provide visitors with an outstanding place to visit.

The contract will utilise smart management systems and state-of-the-art technology to help maintain and improve standards along with delivering robust monitoring and management reporting to Broadgate Estates, all with the aim of delivering unrivalled customer service and value.

Having been able to demonstrate added value within other cleaning & security contracts, the contract was awarded based on TCFM's proven track record spanning almost 55 years, along with their design of a bespoke solution, built on Broadgate Estates' individual needs.

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Extra Sparkle to Poundland

TC Facilities Management (TCFM) is bringing some extra sparkle to Poundland having secured the contract to deliver window and external signage cleaning across the country. The contract being delivered by a team from TC Specialist Services, part of TC Facilities Management (TCFM), started last month. It provides window cleaning services to every Poundland store, 4 DCs and their admin offices in the UK along with each Dealz store in the Republic of Ireland.

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Poundland store, 4 DCs and their admin offices in the UK along with each Dealz store in the Republic of Ireland.

The team from TC Specialist Services are ensuring that the standards of appearance to the windows and external signage of each site will help to create a welcoming, fresh and engaging environment for Poundland's customers and suppliers.

The contract utilises innovative software which will help to deliver robust scheduling, monitoring and management reporting to Poundland.

In addition to this contract win, TC Specialist Services have also secured an extension to the contract to clean the windows at 678 pubs and restaurants from Mitchells and Butlers' portfolio which includes Harvester, Ember Inns, Vintage Inns, Toby Carvery and Miller & Carter to name a few. This takes the total number of sites cleaned by TC Specialist Services to 2390.

Contact
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A hat trick that our clients will tell you is well deserved



they have also passed the ISO 9001 and 14001 management systems audits which come in to force next month.

The 4-day visit by both auditors involved full scrutiny of the TC Security Services operation and for the ACS audit included visiting both the Head Quarters and satellite offices along with a mix of varied customers.

The maximum overall score on the ACS audit that can be achieved is currently 175 points. TC Security Services' score of 164 places them not only in the top 2% of all SIA listed companies within the

Approved Contractor Scheme, it also showed an increase in the score awarded by the auditors in 2017. All this shows TC Security Services as one of the very best security companies in the entire country.

Coupled with this was passing the ISO 9001:2015 and 14001:2015 management systems audits. This was the fourth time these new quality standards, coming in to effect on September 14th, 2018 have been audited and passed each time.

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Congratulations all round at inaugural graduation



The inaugural intake of service leavers and veterans to graduate from the Forces Media Academy were congratulated by His Royal Highness The Duke of York at a graduation ceremony earlier this month. The event took place in West London where security is provided by a team from TC Security Services.

The Forces Media Academy offers service veterans

the opportunity to study for a Higher National Certificate qualification in Creative Media Production, to gain access to an industry where historically people with a military background have been under-represented.

The Services Sound & Vision Corporation (SSVC), of which HRH has been Patron since 2003, established the Academy last year at its headquarters in Buckinghamshire, which was opened by the Duke in October 2017.

Satia Rai, Senior Operations Manager who leads the team from TC Security Services said, "It was a great privilege for our team to welcome His Royal Highness The Duke of York along with the graduates and many guests who had gathered at the venue to celebrate their graduation from this programme."

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 www.tcfm.co.uk

Multi Service Provision

TC Facilities Management are industry leaders in cleaning, security and specialist cleaning provision. Having been set up over fifty-five years ago, TCFM has three distinct brands which are committed to providing a range of services to clients that are reliable, tailor-made and high quality.

Their cleaning services are used by clients up and down the country and are noted for their thoroughness and range of capabilities. Some of these services include day-to-day and janitorial cleaning, periodic cleaning programmes to suit the client, deep cleaning, crucial kitchen cleaning, builder's cleaning and more.



TC Security Services operate in a multitude of sectors such as automotive, retail, manufacturing, events, leisure, education and even local authority. They offer manned guarding services, effective security patrolling, trained in-store retail officers, robust events security, handy mobile patrols, alarm response and key holding. Renowned for these reliable security services, TC Security Services is proud to be rated in the top 2% of all SIA listed companies within the Approved Contractor Scheme in the UK.

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Donations are in the bag for British Heart Foundation

TC Facilities Management (TCFM) have created a national charity partnership to help the British Heart Foundation achieve its aim of beating heartbreak forever. The partnership commenced 6 weeks ago and has set its sights on raising £5K of funds for the charity that conducts ground-breaking research in to heart and circulatory diseases and their causes.

Heart and circulatory diseases kill 1 in 4 people in the UK, causing heart break in every street. Fiona Ellingham, Marketing Manager, TCFM has had a number of family members affected by heart conditions including a niece

TC Facilities Management
 £5K CHALLENGE

IN SUPPORT OF THE



who required a heart transplant aged just 5 and a brother who thanks to a special pacemaker, his heart is able to maintain a stable rhythm to keep him alive.

"Speaking with other colleagues at TCFM, it became very apparent that I was not alone in having family members affected and so the partnership was born.

"At the moment, our colleagues are busy having clear outs at home and filling bags with unwanted items that can be sold in the BHF stores across the country. In the last 6 weeks colleagues from all over the country have collected more than 50 of the 300 (minimum) bags of items we're aiming for.

"We have a number of other activities planned through the year that will not only raise funds for BHF but will also train people in how to do CPR, something which saved my brother's life over 2 years ago."

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Website Update

To enable existing and prospective customers to see the full range of solutions it can offer, TC Facilities Management (TCFM) is inviting visitors to explore its recently refreshed website that is said to offer a more engaging experience with improved navigation and functionality.

The site includes extensive information to help visitors understand TCFM's complete range of both single and bundled services. This is brought to life with case studies and short video animations showing the company's capabilities across a wide range of sectors.

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Breezair TBSI 580 wins prestigious Energy Management Awards

After being shortlisted in the prestigious 2018 Energy Management Awards, the Breezair TBSI 580 by Seeley International has achieved a major industry accolade after it was announced an award winner in the Energy Reduction Product 2018 category.

The Breezair TBSI 580 is the world's first high performance, inverter motor, axial fan, evaporative air-conditioner.

With outstanding cooling performance and energy efficiency, savings of up to 90% in running costs compared to reverse cycle, this innovative product has impressed judges and the public.

Evaporative air-conditioning is a healthier alternative to other forms of cooling because it



delivers fresh, filtered, healthy outside air and has very low CO₂ emissions, making it the perfect choice for the environment too.

The patented axial Stealth® fan has an advanced aerodynamic design which results in super quiet operation and produces a constant, cool, quiet, breeze.

The inverter axial drive motor provides maximum energy efficiency while the long-life chillcel pads are designed to

ensure maximum saturation levels and therefore, maximum cooling efficiency.

The product has been presented together with the case study installation at NIFCO UK limited, manufacturer of functional plastic components for a vast network of automotive manufacturers. 28 Breezair TBSI 580 and 10 extraction fans have been installed in the factory in order to improve thermal comfort and air quality. Displacement effect ensures reliable and efficient air management that can be zoned to suite the varying loads within the production areas.

Contact
 www.seeleyinternational.com
 www.breezair.com/uk
 www.climatewizard.com

Deep Hole Drilling at its finest

For this issue of Best Practice, we are incredibly proud to announce UNISIG as our **Deep Hole Drilling Company of the Year**.

First established in 1981 by the Swiss Industrial Group (SIG) and the US Company United Technical, UNISIG is the leading provider of the complete deep hole drilling system. In 1995 it was taken over by Entrust Manufacturing Technologies Inc and went from strength to strength, amassing a



number of achievements along the way. With their range of specialist services, the company facilitates advice, services and products across the Deep Hole Drilling Machine Industry.

Since being acquired by Entrust, UNISIG have boomed in terms of innovation and expertise, with Entrust investing extensively in the future development of UNISIG deep hole drilling machines and products. Bringing

a new perspective and ideas, Entrust have tested the limitations and capabilities of new products through in-depth processes, ensuring their products are as high quality and long lasting as their clients have come to expect.

UNISIG offers machines, tools and automation systems that fulfill any Deep Hole Drilling purpose required by their customers. With their equipment, they are able to create precision parts with unmatched levels of accuracy. Producing high performance equipment and components, whilst applying a variety of standards such as, ISO, DIN and AGMA, means UNISIG use only those components that have proven effectiveness and global demand.



A note-worthy feature within their range is their B-Series Rack and Pinion drive machines. Providing an endless amount of capabilities, the B-series machines deliver a full deep hole drilling system, perfect for manufactures requiring the largest dimensions. These series use BTA, (a process that accurately drills precise holes from 20 - 630mm in diameter), alongside other tools that produce centre line holes in round parts. Built to uphold their customers' high standards whilst solving industry challenges, UNISIG's B-series Rack and Pinion driven machines are made of powerful drives and durable components, making this series a valuable investment for deep hole drilling needs.

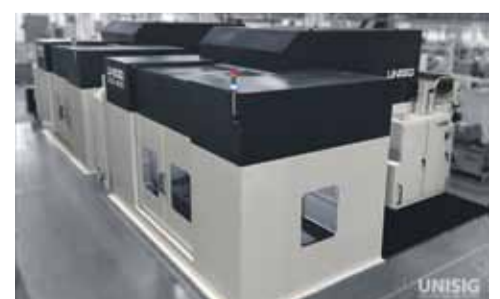
UNISIG's vast global customer base has expanded immensely with rapidly rising interest across the Americas, Europe and Asia. Manufactured in the USA, UNISIG's head office, engineering centre and production centre is based in Menomonee Falls, USA. Advertising globally, UNISIG also have a European sales and support office based in Germany.

An upcoming appearance for UNISIG within Europe is the IWA OutdoorClassics event on the 8th-11th March 2019 at the Exhibition Centre in Nuremberg. IWA OutdoorClassics is a world-leading trade fair for hunting, shooting sports, equipment for outdoor activities and civilian/official security applications. The show houses the top acknowledged manufactures and traders, showcasing the best in the business in terms of products and machinery.

Through consistent growth, investments and innovative ideas, UNISIG has gone from strength to strength, building a strong reputation for supporting their clients in completing the most challenging of projects.

For any further information please feel free to visit their website or alternatively, to speak to them directly, please call them on the number stated below.

Contact
T +49 (0)7125 9687590
www.unisig.com



UNISIG is one of the largest producers of deep hole drilling machines and a leader in technology, innovation, support, and service that our customers rely on to be competitive. Our customers include small job shops looking to expand their capabilities, to large OEM's that need to drill millions of holes.

We offer the entire deep hole drilling system – machines, tools, and automation. We provide technical expertise, training, and remote as well as on-site service to help maximise the value of the investments our customers have made.

UNISIG machines are engineered and manufactured in the USA for our global customer base. Our machines can be installed and supported anywhere in the world. We have installations in the Americas, Europe and Asia and provide the technical support and service our customers need to stay productive through the life of the equipment.

We believe our success stems from a very strong understanding of the deep hole drilling process, drilling tools and their applications. We have a long history of achievement, regardless of the technical challenges.



For more information, please visit our website: www.unisig.com
Tel: +49 (0)7125 9687590 | Email: info@unisig.de

Carcoon: Manufacturers of patented airflow-storage environments

For this issue of Best Practice, we are extremely excited to introduce Carcoon with our esteemed **Commitment to Excellence Award** as a result of their unique approach to vehicle storage and protection.

Carcoon are proud to be the official manufacturers and international distributors of all Carcoon products, including: BikeBubble-EVO-Veloce, JetCell, HeliCell and a full range of Carcoon Workstations. Although the company first started out specialising in innovative car storage systems, their range of products has vastly expanded over the years thanks to their dedication to innovation and development. Based in Salford, all Carcoon products are expertly designed in house for each particular purpose, with their patented storage units designed to isolate, stabilise, ventilate and circulate the air within the enclosed protective environment.

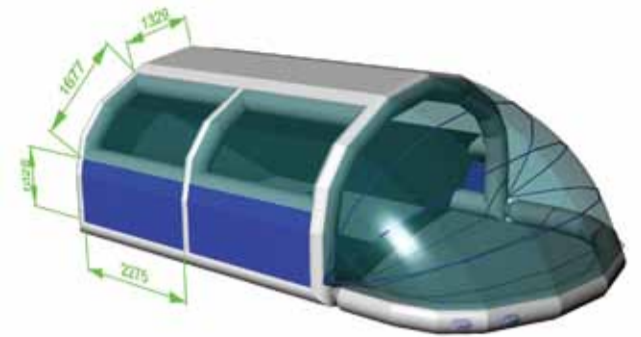
Carcoon is a very special company in that every single product produced is unique to the company. One of their most popular products includes the Indoor EVO Carcoon, distinctive in its design and consisting of a separate top cover and base mat. All the user has to do is drive the vehicle onto the mat and place the cover over the car, connecting the plug into a 12-volt power supply. One of the biggest advantages of the EVO Carcoon is its user-friendly nature and the fact that it can be used both



in garages or outdoors. The EVO Carcoon, both indoor and outdoor models, can be custom made, therefore allowing both tall vehicles and reduced height units to be catered for.

Additionally, all Carcoon storage systems, including the BikeBubble, use the unique 'active airflow' function, re-circulating air using Activated Carbon Filters. This creates a protective 'clean room' within the storage environment, keeping the vehicle perfectly protected during the winter months. Better yet, all Carcoon storage systems boast automatic battery backup and battery management for the stored vehicle.

Carcoon also manufacture a unique and patented range of Free Standing Workstations, which enable the same high-level top quality work offered by traditional body shops at a fraction of the cost, with the added convenience of working on location. Their workstations are produced in a wide range of sizes, and not only that but the workstations are also specifically designed to protect the environment from potentially harmful emissions. This is achieved using a



minimum of 2,800 CFM air supply and massive three-layer paint arrest, plus activated carbon filter chambers.

As one of the leading names in UK innovation, Carcoon attend a number of tradeshows a year where they can demonstrate the uses and advantages of their protective bubbles and connect with a wider client base.

This year, they attended the SEMA show in Las Vegas where they showcased their carcoons and bike bubbles, using modern paints and SMART procedures within the latest Carcoon Aero workstation. This was the first time the Aero workstation had been unveiled, and it proved hugely popular amongst both attendees and fellow exhibitors alike. On top of that, the team also displayed the latest HeliCell and JetCell products, both of which use the latest humidity controlled technology so as to better protect your vehicle.

If you would like to get in contact with Carcoon, contact them on the number listed below. Alternatively, if you would like to view an extensive range of their products and services, be sure to visit their website too.

T +44 (0)161 737 9690
www.carcoon.com



Carcoon®

Market leader in car storage systems in the UK and Worldwide



Carcoon is the ultimate automobile storage system designed to protect your precious investment. With its unique, patented 'active airflow' process and other advanced features, Carcoon sets a new standard in car care.

The original Carcoon was designed and produced by George Page in the mid 1990's to help combat problematic areas encountered in automobile storage at his Classic Car restoration business in the United Kingdom. Today, Carcoon is the clear market leader in car storage systems in the UK and is rapidly gaining praise and acceptance from American car collectors.

The Product

The unique 'active airflow' system (worldwide patent), comprises of two air treatment units which operate continuously to provide super-atmospheric, circulating airflow for 24 hours a day, 7 days a week. Importantly, the circulating air is taken from inside the storage unit itself, which effectively isolates the flow of air from the outside environment. With a running cost of approximately 2 pence per day, who can't afford that kind of protection?

Please visit us at www.carcoon.com

Telephone: 0161 737 9690 | Email: info@carcoon.com



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Market leader in car storage systems in the UK and Worldwide

We are the official manufacturers and distributors of the carcoon, bikebubble and workstation product ranges. Established back in 1990's, Carcoon is the clear market leader in car storage systems in the UK and Worldwide.

The Concept

Protective, storage environments, designed for infrequently used vehicles.



Isolate from the constantly changing temperature and humidity of the ambient environment.

Stabilise by removing excess moisture, fuel/oil vapour and other contaminants from within the mini environment.

Ventilate using the patented Active Airflow Concept.

Circulate the air isolated within, by using Activated Carbon Filters under pressure.

Please visit our website for more information at www.carcoon.com

Provides direction in the workplace

Workplace safety innovators A-SAFE are making Health & Safety information easy to understand and quick to read thanks to their new Sign Cap.

Walking out on to a busy manufacturing floor or warehouse facility bombards the senses from all angles. At the same time, navigating forklift trucks and vehicles around pedestrians, machinery and products takes high levels of skill and concentration.

"From a Health and Safety point of view, it is important that our customers have as many

tools as we can provide to make their facilities as safe as possible," A-SAFE's Health & Safety Manager said, "The Sign Cap can be retrofitted to any of A-SAFE's 190mm diameter bollard or post, making it quick and easy for customers to fit this in to their A-SAFE traffic management solution," A-SAFE's Product Manager added.

The double-sided facing means that the sign can pass separate messages depending on the direction of approach. For A-SAFE, it is solutions like this that go one step further to answering

the needs of their customers' Health & Safety requirements.

An important aspect of PAS 13 is the use of clear markings and signs to set vehicles and pedestrians apart. As with all A-SAFE products, the Sign Cap is robust, low maintenance and easy to integrate into existing A-SAFE solutions thanks to the interchangeable caps and pins.

<https://www.asafe.com/en-gb/products/sign-cap/overview>



Fraser launches Roto-Clean 4900



Fraser has launched an advanced product to clean and neutralise static in injection moulding workflows.

The Roto-Clean 4900 blasts pulsating ionized air from single or multiple heads to clean a product and remove static that could attract further dust. The device consists of a dual rotary nozzle driven by a patented centrifugal control integrated into a circular static eliminator.

Bruce Clothier, CEO at Fraser Anti-Static Techniques, believes the unique device is the perfect complement to more traditional forms of cleaning and static control on the production line.

"Fraser has created a niche in cleaning and static elimination in injection moulding environments. This includes our traditional range of 4125 air guns, 5100 and 5500 airknives, and 4510 and 4400 nozzles. We have now developed Roto-Clean to complement the capabilities of the range.

"Roto-Clean is incredibly versatile and can work as a standalone head on a robotic arm or as an array over a production line conveyor. It has an unrivalled capability to clean complex shapes or bulky items and prevent further contamination, particularly where processes are heavily automated.

"Its design is technically advanced, incredibly flexible, extremely economical and above all highly effective."

The combination of powerful, pulsating air and static elimination gives Roto-Clean an advantage over alternative products. It will set new cleaning standards in environments that require strict quality control or when products move on to secondary processes such as labelling or decoration where they must be dust free.

The device uses less air delivered at a lower pressure than airknives, delivered at a greater intensity of ions per cubic centimetre. An air bar revolves at 60 revolutions per second using a patented centrifugal control powered solely by air. Air from two nozzles is ionized as it passes over a circular static eliminator. The pulsed airflow contacts the product up to 240 times per second, blasting away dust from various angles including crevices. The nozzles require no additional power source.

Roto-Clean is shockless and suitable for tough industrial processes, powered by the Fraser HP power unit. Roto-Clean is available in 112 and 178mm diameters, with operational pressure from 1 to 3.5 Bar.

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Domed Badge Specialists News

DASH
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We supply a wide range of domed badges for all industries which can be customised to include your own design, logo and details. We can print directly from your supplied vector artwork or hi-res PDF's. For a cost-effective and professional way to brand and personalise your products for your market or application contact us by phone or email with your requirements.

Here at Dash Dynamics, unlike many of our competitors, we specialise in small production runs. So if you just need a series of machine panels for a new prototype or low production run, then simply send us your artwork and we'll get on with it.



Machine Safety/Operating instructions

Control Panel Graphics

Quality Manufacturing Branding

www.dashdynamics.co.uk

01995 606158 info@dashdynamics.co.uk

Why you need leaner processes!

Customer demand is changing the way products are delivered. We have seemingly less time than ever before and with the growing culture of app-based 'click and collect' permeating society, companies are now having to satisfy their customers' needs, faster and more accurately. The introduction of warehouse automation is vital to addressing this requirement.



This isn't just consumer goods, more and more companies are offering 24/7 deliveries and this is putting greater strain on the factories that have to manage these processes.

Flexibility is key here as instead of continuing to rely on rigid logistics concepts, more and more companies are turning to flexible systems to effectively manage their internal warehouse.

Flowtechnology UK 'FTUK,' is a major provider of fluid power products in the UK, they recognised a need for a more efficient storage system for its constantly expanding product portfolio. Rather than move premises they invested in 16 Kardex Shuttle XP vertical lift systems ASRS which optimised their current warehouse space and as a result, their productivity increased by more than 300%, whilst picking errors went down to almost zero.

For Flowtechnology, optimal productivity was essential for the handling, storing and retrieval of their stock. Many companies have different kinds of stock and Kardex understand the need to provide dynamic and flexible storage solutions no matter what needs to be stored. Stock with extreme dimensions and heavy goods require well-thought out storage logistics and goods with a total weight of up to 5,000kg per tray can be efficiently integrated into storage logistic processes. Using flexible designs such as vertical lift systems Kardex is focused on optimising the use of available space, making the most of existing ceiling height and minimising footprint.

From efficient hardware to fully integrated systems, our solutions can store thousands of items from small goods such as nuts and bolts to large items. Kardex provide maximum productivity, performance and safety, improving your ergonomics and efficiency, making optimal use of the available space to secure long-term success and profitability.

Kardex has a long history of innovation working with organisations that recognise the short and long-term benefits that automated storage and retrieval systems can bring, delivering on the promise of improvements in labour, space saving and faster picking times. To learn more, contact us by email at: info.remstar.uk@kardex.com or call us direct on: +44 (0)1992 557237.

kardexremstar

Smart Intralogistics Solutions



Optimise your warehouse for fast and accurate picking

Whether you have complex logistic needs or look for scalable storage solutions, Kardex Remstar enables you to stay ahead of the game by optimising your warehouse with efficient automated storage and retrieval systems.

Save time. Save space. Automate.
www.kardex-remstar.co.uk



Specialists in storage

Established in 1937 by Fritz Schaefer, SSI Schaefer is a German, family-owned business. With the headquarters based in Neunkirchen, Germany, the company are proud to say they have more than 55 subsidiaries worldwide and have nearly 10,000 employees. Andover, Hampshire is home to the UK operations side, purchasing, finance, design, and general sales as well as the UK distribution centre.

The rapidly expanding Midlands-based operation at Towcester houses Automation Sales, IT, Customer Services, Marketing and Project Management.

SSI Schaefer specialises in the supply of automated materials handling solutions and storage equipment.

For over 75 years, the company have been involved in developing systems which enable them to provide customers with solutions that are tailored for the storage of their products. The company's product portfolio ranges from pallet racking, shelving storage systems and metal & plastic containers through to complex automated storage and retrieval systems and IT control.

Customer service is at the heart of the company which is why they see



their customers throughout the whole process, from buying to installing and aftercare.

We asked Mike Alibone of SSI Schaefer what the company's plans for the future are, in which he responded, "Our customer base is as diverse as our product portfolio, which enables us already to offer solutions to almost all areas of industry.

As an organisation in the UK, we will continue to grow - particularly as we complete more installations which become reliant upon our providing an ongoing support and maintenance service."

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www.ssi-schaefer.com



T 01264 386600
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SECURE STORAGE FOR SMALL PARTS

As the quest for more warehouse space continues, certain capacity limits are likely to be quickly reached when using conventional static storage methods. SSI SCHAEFER vertical lift LogiMat represents a low cost solution to your storage problems. As well as saving space, the LogiMat increases picking speed and reduces replenishment time through less time spent walking as the system operates according to the "goods to man" principle.

ssi-schaefer.com

SSI SCHAEFER

Delivering Excellence

In its early days, when it was established in the late 1940s, Meachers Global Logistics started out as a family-owned coal business. The success that ensued and opportunities that presented themselves led to an expansion into general haulage and warehousing, and further changes were implemented with the involvement of Pirelli General, a company that acquired the brand in the 70s.

The result was the acquisition of a number of other firms - such as truck franchise KLCommercials and Oast Agencies, an international specialist in goods transportation via air, sea and road services - and an eventual management buyout in 1996 that was completed from the Pirelli Group and saw the company return to private ownership.

Meachers Global Logistics is recognised for its ability to provide a



fully comprehensive logistics solution, covering everything from global freight forwarding to transport and warehousing. To ensure absolute clarity the business is split into three different divisions, so the areas of activities mentioned are individually dealt with by established teams of industry professionals.

The transport department of Meachers Global Logistics can facilitate the needs of customers regarding the following: UK full load distribution, UK pallet deliveries, fully outsourced solutions and nationwide transport infrastructure.

In terms of warehousing, the solutions provided are developed in line with singular application specs and have been designed with the purpose to meet specific storage and supply chain requirements. Its movements in this area include pick & pack, inventory control and excise & non-excise facilities.

The freight forwarding division focuses explicitly on the provision of import, export & credit documentation support, customs

clearance & compliance, sea freight services and air freight shipments. With its expertise in direct airline and consolidation services (as well as deep-sea container and international road freight), the company is acknowledged as one of the foremost independent freight forwarding companies in the country.

One of its most popular amenities is its consolidation service, which is offered through its outstanding consolidation centre (situated at its Southampton depot). There is an additional facility in Derby which supports its head office in Southampton and comes with excellent warehousing and transport links for ongoing convenience and operational efficiency.

Contact
T +44 (0)23 8073 9999
sales@meachersglobal.com
www.meachersglobal.com



Smart Intralogistics Solutions

Optimise your warehouse for fast and accurate picking

Whether you have complex logistic needs or look for scalable storage solutions, Kardex Remstar enables you to stay ahead of the game by optimising your warehouse with efficient automated storage and retrieval systems.

Save time. Save space. Automate.
www.kardex-remstar.co.uk

Beecraft Limited: Established in 1989

Beecraft Limited, a UK based company established in 1989 is one of leading manufacturers and distributors of warehouse, logistics and material handling products. Located in Middlesex, they specialise in plastic pallets, bulk boxes, plastic containers, health and safety products and freezer spacers.

Nortpalet™, a leading Spanish plastic pallets manufacturer, have recently launched a unique and innovative range of durable plastic pallets, which come in a variety of sizes, are of the utmost quality and offer consumers the option of customisation according to their business needs. The new Display Mini Pallet, which comes in a size of 800x600mm, is specifically designed



for retailers due to features such as easy reparability and the ability to increase

the loading capacity, as compared to other pallet manufacturers. Mercadona, which is the largest supermarket chain in Spain and occupies 23% of the total market share, has purchased more than 1.5million of these pallets and currently uses them in over 1,400 of its stores.

Beecraft Limited together with

The Reinforced Nestable Europallet, designed with three runners for optimum performance in rack systems and made from recycled resin weighs only 17kg, which is 34% lighter than other leading pallets. It can support a weight of up to 1,000kg and is appropriated for industries that specialise in the transportation of packaged and boxed items, or where cross-docking operations are implemented.

The lightweight one-way export pallet is an economic, yet strong product, which is designed from multiple uses across many different industries. Weighing just 5.5kg, it is ideal for exporting consignments and can carry products that weigh up to 1,000kg.

The best news, above all, is the Heavy duty Multi-use Pool Pallet, which is available with 3, 5 or 6 bottom runners. It is now a reality and will better serve the logistic needs of different industries such as salt, sugar, flour, beverage, agro food, pharmaceutical, automotive, chemical and many more. The pallet is made of recycled PP, weighs only 23k and thanks to its special design, it can carry a static load of 5,000kg, a dynamic load of 2,000kg and a racking load of 1,000kg. The Full Perimeter runners also make this product suitable to support up to four pallets on top of each other in a mass storage environment.

NORTPALET using the latest state of the art technology combining strength and design options enable the pallet to be use in many different industries and to be compatible for extensive use.

The high specifications including reinforced upgrading the loading capacity to high level of weight on racking and Drive in Racking This intelligent design gives flexibilities of each pallet to be repaired and replaced part of the pallet bring it to a full use again with just minimum investment and no need to replace the whole pallet.

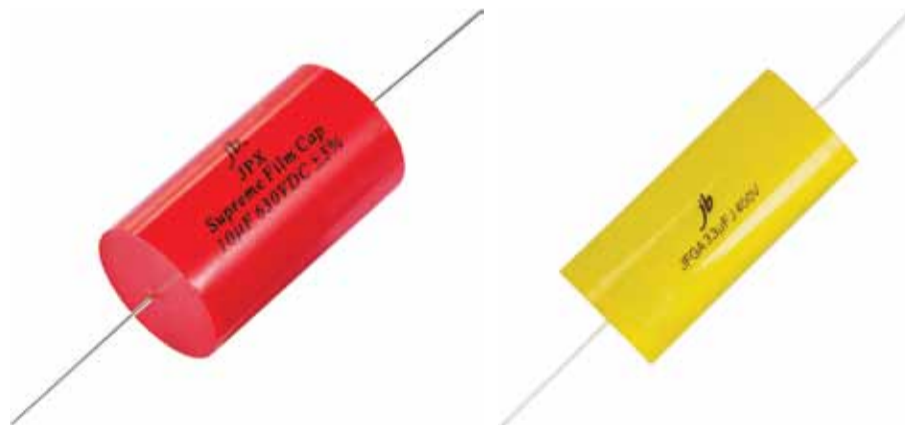
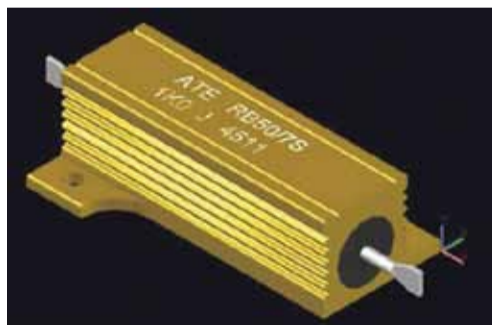
The Plastic pallets are a worthwhile investment as they have a long life cycle, meaning they are extremely cost-effective. The smart design of the pallets ensures that they are strong, durable and repairable with minimal investment.



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SolidLux

Instant Coating



Significant time savings, instant curing and impact resistant

Back in February 2016, the innovative Dutch paint manufacturer Van Wijhe Verf, from the Netherlands, introduced a breakthrough in the area of industrial floor coatings: SolidLux Instant Coating. It proved an immediate hit amongst customers and after a warm reception in his home country, the coating was introduced into the UK in February 2017.

SolidLux is a unique and patented opaque floor coating. It cures instantly at the speed of light under Decorad portable UV lamps and is immediately resistant to intensive mechanical and chemical stresses. Whether for use indoors or outdoors, it is an ideal solution in any situation where floor maintenance or renovation work will inevitably disturb the regular activities and often lead to associated loss of income and other expenditures. Thanks to its instant curing ability, it means the floor coating can be applied practically while business continues as usual with little to no disturbance. A smart working sequence allows car parks, production areas or concrete stairways to be used with practically no disruption while being treated. In many cases this will eliminate the need for expensive temporary provisions and ensure profits are maintained.

The coating system (SolidLux Basecoat and Topcoat) consists of single component products only, with related environmental and efficiency benefits: solvent-free, minimal loss of material and less application equipment needed. In all, this significantly cuts down on environmental impact and produces less waste.

The benefits of SolidLux:

- Significant time savings
- Instantly resists mechanical and chemical impact
- Suitable for use even in cold stores & freezing cells
- For Internal & External use
- Suitable for indoors and outdoors
- Anti-slip finish available (36+ptv)
- Totally UV stable and colour fast
- Cleans perfectly



SolidLux services clients through an Approved Applicators Network. Currently there are 3, who between them cover the whole of the UK with dedicated SolidLux teams. These teams are experienced in all facets of the specific coating and Decorad UV-technology and thus able to optimally utilise the benefits of the SolidLux system for best results.

Since the first UK application in June 2017 for RWL in Rochdale, SolidLux is gaining market share in:

- Pallet distribution centres
- Major supermarket distribution centres
- Food manufactures and packaging companies (including 4°C environments)
- Manufacturing companies

Original clients are now having additional line marking applied as we forge long term relationships.

Clear demarcation between vehicles and pedestrians in the workplace plays a significant role in safety. Often companies find it difficult to renew or instate new line marking, particularly in 'Live' 24/7 environments. Given the constant



flow of traffic and footfall of pedestrians, it is more often than not a difficult task in trying to schedule line marking that will not interrupt workers and business progress. But now, thanks to SolidLux, the process is made far easier, keeping disturbances to a minimum and maximising time efficiency.

If you would like to find out how you can get your hands on SolidLux, be sure to get in contact

today. Ian James, the UK Sales Manager, invites enquiries from both End Users and potential applicators, and can provide information on the many SolidLux benefits and applications.

You can contact him by email: ijames@solidluxcoating.com or phone: +44 (0)7818 001141. The website www.solidluxcoating.com/en has more information.

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CFB's Hot Water Boilers Land leading role in Film Special Effects

Steam and hot water boiler specialist, CFB Boilers, has recently built two commercial containerised hot water boiler plant rooms for Multifilm SFX Ltd, a leading provider of special effects to the film industry. The boilers, which were shipped all the way from CFB Boilers' manufacturing facility in

Essex to the film set in Hungary, are being used to heat water in large tanks where actors play out aqua-based scenes. They have already been used in a number of major Hollywood blockbusters, including the 6th instalment of a science-fiction film about a cyborg assassin from the future,

which is due for release in autumn 2019.

Multifilm SFX has decades of experience in delivering all types of mechanical, physical, aqua and pyrotechnic special effects for the entertainment industry. Scenes filmed in water create a special challenge for

Multifilm SFX. For seascapes, large water tanks are used to capture the essence of being in open water, and often feature wave machines. Of course, for reasons of health and safety, the water has to be maintained at a reasonable temperature for the actors.

In 2017, Multifilm SFX wanted to invest in a heating unit that was reliable, transportable and manufactured to high standards. Having previously purchased a steam boiler from CFB Boilers, which the company uses to create effects such as railway station scenes or steam rising from the New York metro, Multifilm SFX knew exactly where to turn.

"The steam boiler has performed exceptionally well so I decided go back to CFB for the hot water boiler, despite the logistical challenge of transporting such a large unit between the UK and our location in Hungary," explains Gábor Kiszelly, Multifilm SFX's Special Effects Supervisor (who has over 100 film credits on IMBD).

The company selected a 1,000kW high-efficiency hot water boiler to be supplied in a containerised plant room. As with all tailor-made containerised plant rooms from CFB Boilers, the boiler and ancillaries were mounted on a steel chequer floor plate to provide a complete solution; only external connections were required before it was ready to use.

CFB Boilers also took complete care of the plant room's transportation, ensuring it reached Hungary safely and swiftly.



"CFB Boilers have been excellent from the outset," says Mr Kiszelly. "I could easily have used a boiler specialist here in Hungary, which logistically would have been much easier, but I have no regrets going to the UK. We've had good service from CFB Boilers despite the distance between us - the delivery of the unit was first class. They even helped get a local resource in place for support purposes."

Since arriving last year, the boiler has performed excellently, with no issues. So, when Multifilm SFX recently decided it needed another heating unit, the company ordered an almost identical, second containerised boiler from CFB Boilers.

"If filming takes place at the end of autumn, or the beginning of spring, for example - no shooting is done in winter as temperatures are almost constantly below zero in Hungary - one boiler is not sufficient to heat the water," explains Mr Kiszelly. "As a result, and because the first hot water boiler has been so reliable, we ordered another unit from CFB Boilers. This has now arrived and gives us complete flexibility to fit in with demanding film schedules."

The containerised boilers from CFB Boilers have already been put to use on a number of big-budget productions currently being filmed.

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JAN		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
FEB					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MAR					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APR								1	2	3	4	5	6	7	8	9	10	11	12
MAY			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
JUN						1	2	3	4	5	6	7	8	9	10	11	12	13	14
JUL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
AUG				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SEP							1	2	3	4	5	6	7	8	9	10	11	12	13
OCT		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NOV					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DEC							1	2	3	4	5	6	7	8	9	10	11	12	13

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16	17	18	19	20	21	22	23	24	25	26	27	28						FEB
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			MAR
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	APR
18	19	20	21	22	23	24	25	26	27	28	29	30	31					MAY
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			JUN
20	21	22	23	24	25	26	27	28	29	30	31							JUL
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14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		SEP
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Large-diameter pipe lining leads way to wildlife revival

Drainage specialist Lanes Group plc has used fold-and-install large-diameter lining technology to rehabilitate a pipe that will play a crucial role in creating Europe's largest man-made nature reserve.

It has deployed a pillow packer to install a series of point repairs inside a 1,220mm diameter inlet pipe supplying water to an area of land being turned into the Wallasea Island Wild Coast.

The Royal Society for the Protection of Birds, which manages the site on the Thames Estuary in Essex, has a 20-year project to turn farmland into a wildlife-rich saltmarsh twice the size of the City of London.

Rehabilitating the pipe was an important step to allow tidal water from the River Roach

to flow into a lagoon, one of a number being created to transform 670 hectares of farmland.

Main contractor Bam Nuttall commissioned Lanes Group's East London depot to line the pipe, using a novel approach that ensured the project could be completed with minimal disruption to wildlife and least cost.

The Lanes team used a pillow packer to install



five point repairs, also known as patch liners, to rectify defects and strengthen the pipe so it can withstand high water flow rates, especially during high tides.

The pillow packer was lighter and easier to handle than a conventional liner packer. It could be folded to a width of 450mm and

installed without an entry manhole having to be dismantled and rebuilt.

Once inside, along with each liner, the specialist packer was inflated using compressed air, pushing the resin-impregnated glass reinforced plastic (GRP) liner against the pipe. The liner could then be left to cure in ambient temperature before the packer was removed.

The Lanes East London depot has invested in two pillow packers, each capable of being used to line circular, egg-shaped or ovoid pipes with diameters of 600mm to 1,300mm. The packers are available for deployment across the UK.

Lanes East London Regional Manager Mark Scott oversaw the installation carried out by the depot's in-house lining team.

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New distributorship for Cinderella Eco Solution

LeeSan has become the Sole distributor for Cinderella Eco Solution incinerating toilets. 4 different toilets will be available very soon running on Propane Gas or 240V.

Cinderella Motion represents an entirely new concept for waste handling in Off-the-Grid locations, Marine craft, mobile homes and recreational vehicles. It is now possible to get rid of toilet waste in a hygienic and simple manner. The end product is just clean ash. The toilet may be used around 70 times before emptying is required. Cinderella Motion is a further development of the popular Cinderella incineration toilet currently installed by over 60,000 users worldwide.

An incineration toilet is a toilet in which waste products, urine and excrement, are incinerated at a high temperature, leaving only an insignificant amount of ash.

Available around the world for decades, incineration toilets are a commonly used alternative in mountain cabins, remote areas, tiny homes, off-grid structures and other residential and commercial applications without easy access to public utilities. Since incineration toilets do not require the installation of a water supply or costly septic systems, and do not demand ongoing and messy work to process waste, their slightly higher unit price is heavily



offset by lower maintenance over time, providing a substantially lower total cost of ownership than other solutions, both in terms of money and headache.

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Precolor: Specialists in WRAS approved water tanks

Precolor are the proud manufacturers of the largest range of WRAS approved water tanks in the UK. Precolor also offer a range of Semi Sectional Water Tanks and Sectional Water Tank Panels that can be made to specific sizes.

Precolor began as a partnership over 50 years ago and by 1975 were officially registered. Precolor are also a family owned company that have spanned a number of generations. Since their initial establishment, the company have grown considerably and in recent times, Precolor has begun to lay the foundations for the British and European standards. Interestingly the company were part of the working group that drew up the standards that all approved water tanks now comply with.

Precolor are opportunely based in the Midlands, enabling easy access to all parts of the UK, including ports for exporting. Precolor design, manufacture and install all of their products, permitting control of production schedules and costs, whilst keeping overheads to a minimum. The company also champion



invested into research and development to strive towards the introduction of new innovative solutions.

Moreover, Precolor's GRP one piece water tanks have been specifically designed to meet the stringent requirements of BS EN 13280: 2001. All of Precolor's tanks are also fully tested and approved for current water regulations and are specified throughout the UK by Country and District Councils, Consulting Engineers and Architects. In addition, Precolor's tanks are light in weight, easily handled and resistant to corrosion and attack from bacteria, which can be expected in cold water systems.

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The non-woven products Chef Hats & Kitchen Cloths come from Germany, where they enjoy a much-envied reputation for precision and efficiency. Our black cloths have proved to be popular for wiping tables in reputable restaurants in London and throughout the UK. We even export them to Spain and Dubai for that purpose!



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Densostrip™ used on Refurbished Ross Fountain

As part of a recently completed £1.5million project to refurbish the historic Ross Fountain in Edinburgh, Winn Coales (Denso) Ltd supplied Densostrip™ and Densostrip Primer™ to provide a permanently watertight seal between precast concrete units.

These precast units form the trenches which house the underground supply of services to the fountain and were both supplied and installed by Creagh Concrete Products.

The year-long restoration project on the new foundations and waterworks (under the Ross Development Trust) now enables the fountain to operate for the first time in years. Industrial Heritage Consulting Ltd were the project managers on the fountain conservation works.

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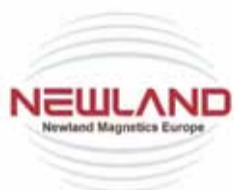
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Denso Protection System for Hereford Water Pipeline

Lewis Civil Engineering is currently constructing an 8km length water main pipeline in Hereford for Dŵr Cymru Welsh Water.



Winn & Coales (Denso) Ltd were contacted for information on the most suitable anti-corrosion system along with application training of Lewis

Engineers for the pipeline's Viking Johnson joints. The selected Denso system meets the P2 Civil Engineering Specifications for Water Industry and consists of Denso Primer D™, Profiling Mastic and 150mm width Densoclad™ 70 Tape. Denso Profiling Mastic is a vital part of the system, it is applied to seal the voids, bolts and heads around the joints to avoid moisture entrapment. The Densoclad™ Tapes consist of a thick polymer-bitumen adhesive, giving superior adhesion and flexibility, laminated to a tough plasticised PVC backing.

The Denso materials were supplied via Burdens Civil Group, Merthyr Tydfil.

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iFlex Dock Gate: This configuration

offers heavy duty impact protection for standard loading bays between 2.4 and 2.5m wide. It will take enough force to contain a 12,000 Joules impact: the equivalent of a 7t forklift truck travelling at 4mph.

iFlex Dock Gate XL: The Dock Gate XL will cover bays from 2.5-3m wide, distancing the supporting bollards from the edges thereby reducing the potential for damage whilst still containing 7,000 Joules impact,

the equivalent of a 4t forklift truck travelling at 4mph.

eFlex Dock Gate: Where reliance is on hand-powered cages and pump trucks travelling at up to 4mph, this version will contain 4,000 Joules impact – more than enough to prevent costly damage to dock door and warehouse infrastructure by up to 2.5t weight.

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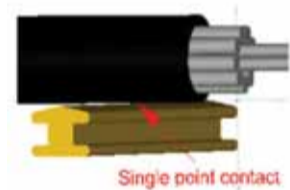


Bespoke Tri Hook range from Cable Trail



The Tri Hook range from Cable Trail, is a bespoke range of simple to use cable management hooks.

The hooks are an easy to use product that has a few subtle design features to make it easy and flexible to use.



Tri-hook takes its name from the triangulated cross section to add strength and reduce friction at the contact point of the hose or cable. This

makes the cables more manoeuvrable along the line and reduces the effort required to install.

The large Anchor diameter also allows maximum flexibility to where it can be used, over gantries scaffold poles hand rails or mesh fencing.

The hooks are available in 2 sizes: 240mm (9.5") or 330mm (13").

'D' shaped location for secure cables location of up to 12 20mm dia. cables or 3 40mm dia.

Standard Tri Hooks are made from a high Grade Nylon and offer impressive strength, but if you need a specific performance or colour, Cable Trail are happy to help.

Hyper strength, Flame retardant and bespoke colour options are all available (subject to min or quantities)

Contact
T +44 (0)1423 611610
enquires@cabletrail.com
www.cabletrail.co.uk



Gard Plasticases Limited

Established by Graham Tickle in 1972 and now celebrating over 40 years as a leader in Plastic Case technology, Gard Plasticases Ltd is a dynamic, privately owned family business which is recognised as the market leader in the UK Plastic Case and Packaging sectors.

Our willingness to serve our marketplace and our commitment to our clients has allowed us to grow our portfolio of Plastic cases which now include:

- The Gard Concept Range
- Gaggione Plastic Case Range
- WAG Plastic Case Range
- The Storm Case Range
- The DeeBee Range
- Bock & Crystal Boxes
- Many more in the pipeline

Operating from our purpose built factory in the 'Garden of England' Gard Plasticases Ltd has developed a one stop shop and provides all of its services in house including multi purpose and density Foam inserts from Plastazotes to Polyesters and Silk Screen Printing facilities for corporate



branding and identity. We also have Vac Forming and Routing capabilities and are continually investing in the latest machinery and technology available.

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Cable Management Innovation

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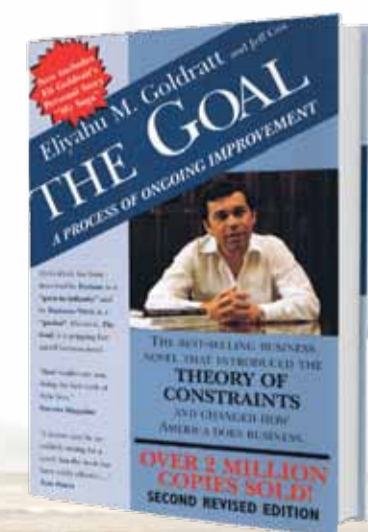
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Construction Materials and Furniture from Waste Tyres



Dena Nano was first established by Dr Brian Sulaiman (PhD, BSc, PGD, MAC Mautmm) over 20 years ago when he had an epiphany about how to use nanotechnology to control the spread of particles within a material. He realised that nanotechnology could be used to break down matter and reform it in new, purposeful ways, a discovery which could lead to infinite applications.

You may think of nanotechnology as more fitting for a science fiction novel, however the truth about nanotechnology is far more practical. Essentially, nanotechnology takes a material, breaks it down into incredibly small particles,

and then inserts it into another substance in order to change its properties. The possibilities of nanotechnology are endless. In fact, as the particles are so small, the chosen material can be even made to go through skin, and as such, have far reaching effects on health, medicine and the human body.

Dena Nano, under the careful guide of Dr Sulaiman, has been researching, experimenting with, and perfecting the use of their patented nanotechnology in order to influence everything from construction to food, pharmaceuticals, ceramics, cosmetics, housing, electronics, detergents, water treatment and the environment. They provide the specific machinery, licenced technology and even fully approved training for clients to recycle products in the way they need, and have worked with all manner of clients, including BP, Boots, MaxFactor, Heinz and ICI. As the only company in the world to offer such solutions within the complex realm of nanotechnology, Dena Nano have built up a reputation as a master of innovation and advanced technology.

T +44 (0)1226 388805
www.dena.co.uk

Making Nanotechnology a reality

Based in South Yorkshire, Dena Nano have proven themselves as one of the most innovative names in the UK, paving the way for the nanotechnology industry with their outstanding advanced technologies.



of sectors, and Dena Nano currently license their technology to clients of all kinds, having worked with the pharmaceutical sector, ceramics, cosmetics, food and beverage, and water treatment sectors.

Founded by Dr Brian Sulaiman, Dena Nano are able to recycle discarded waste tyres into useful household furniture. Nanotechnology is the process of breaking down materials into tiny particles, particles so small that they can be inserted into the make-up of another material, effectively changing the original properties. With tyres, the tyres are converted into rubber powder and then turned into wooden products

and construction materials. In fact, this specially made wood has a number of advantages over natural wood, including it being far more durable, water proof and chemical proof. Not only that, it is also UV and fire resistant, making this wood far more long lasting, safe and practical.

The principle behind this nanotechnology process can be applied to all kinds

To find out more information, be sure to get in contact using the details below.

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The UK's Largest Heating Element Manufacturer

The business, which is based in Cardiff, was founded in 1949 by Franz Skalitzky and Cyril Hodges and as a family-run organisation it is now managed by their two sons John Skalitzky and Alun Hodges. Over the course of its existence Elmatic has become a leading manufacturer specialising predominantly in the provision of heating elements for industrial and electrical applications.



situations involving injection/blow moulding, rubber moulding, mould & tool dies, manifolds, plastic process machinery and more.

From its fully equipped 45,000 sq. ft. factory in South Wales the group can efficiently provide customers with high quality Mica Band & Plate Heaters, Nozzle Heaters, Cartridge Heaters, Ceramic knuckle heaters, Tubular rod Heaters, Immersion/Flange heaters, Air Duct Heaters, Ceramic Core heaters, Strip Heaters and Roller/Disc Heaters. The inventory also includes a range of Load Banks

for the testing of generators and all forms of Fabrication & Sheet Metalwork.

The country's leading heating element manufacturer and industrial & electric heater supplier boasts the largest array of equipment on the market and its quest for innovation has led to the obtainment of many exciting industrial developments (such as Mica Band & Plate Heaters, Nozzle Heaters, Cartridge Heaters and Ceramic knuckle heaters). Its latest addition is a line of square section heaters which can be used in

For a free quotation or further information on any of the aforementioned functional and cost-effective systems then please contact Elmatic today. Whether you require a single unit or a large quantity of equipment, an enthusiastic and knowledgeable company representative is only an email or phone call away, so what are you waiting for? Find out how the company's advanced CAD/CAM technology and contemporary production processes can better your proceedings by enquiring about a specific solution at your earliest convenience.

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- Roller or Disc Heaters
- Fabrication & Sheet Metalwork.

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Panel Mount product launch

Munters is proud to announce the latest additions to our flagship climate controllers: the Platinum Pro, Platinum Touch, and AC-2000 3G Panel Mounts. These controllers can be installed directly into an electrical cabinet. This capability reduces costs for farmers wanting to install their controllers in this manner.

It is important to note that the Panel Mount editions have the exact same functionality and software as the standard editions. In addition, the pricing for this option is the same as the pricing for the standard editions. The Panel Mount controllers were designed to ensure that they can be installed seamlessly; extended length cables are provided, allowing you to open your cabinets easily after installation.

Tal Cohen, Munters Israel Sales Application Engineer, "EMEA farmers want to be able to mount the Platinum and AC-2000 3G units directly into their cabinets. This is a much-needed space saving move for them. Munters Israel answered this call with our Panel Mounts. We are confident that this product will fill an important niche."

Contact
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Manufacturing excellence

Benefitting from over 40 years' experience, BTM Automation Products (UK) Ltd are renowned for their exceptional sheet metal clinching machines, hydraulic press machines and pneumatic press machines.

Based in Bedfordshire, the company is a UK distributor for BTM Corporation and was established as a specialised equipment provider known predominantly for its knowledge of bending tools and manufacturing (hence the name BTM). Today, their outstanding products and service attract customers across the UK, America, Europe and Asia, benefitting customers in



the Automotive, Lighting, Heating, White Goods and many other industries.

BTM's flagship technology is the Tog-L-Loc, which has continued to be extremely

popular since its start up. Simple, economical and efficient, this sheet metal clinching technology is the efficient solution to meet all your metal joining needs. It has proven particularly effective as an alternative to spot welding, riveting and other such conventional modes of joining, as it is consistent in its function and has leak-proof joints and a long tool life.

In addition to Tog-L-Loc, BTM also provide aluminium clinching technology 'V-Loc,' a harder rotation resistant version of Tog-L-Loc called 'Lance-N-Loc' and leak proof version 'Oval-Loc.'

For more information on these specialist products, visit the 'product' section on the website listed below and download the information sheets or you can contact the company by phone and speak to one of the friendly and helpful team.

Whether it is a simple hand held unit, robot cell or special purpose machine, BTM has the right solution for you.

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Industry's first lift sensor set to revolutionise maintenance testing



Recognised globally as a leader in lift innovation, Avire has launched a new elevator sensor, Lift HAWK, to cut false call out for lift engineers, saving both time and money.

Fitted on the top of the lift car, the Lift HAWK works with Avire's Digital Communication Platform (DCP) or Memcom+ to remotely check the lift status without having to connect to the lift controller. A common issue faced by many lift engineers is false call outs, where a lift is reported to be 'out of service,' however, it's simply 'running on arrival.' This is clearly time consuming, costly and frustrating for the lift engineers. The HAWK enables maintenance companies to quickly and easily check to see if the lift is genuinely 'out of service' by moving it up or down a floor from a remote location. What's more, the HAWK is able to learn the lift's typical activity within two weeks and autonomously perform tests during periods of prolonged inactivity, meaning issues are reported even before being discovered by the end user.



By using Avire's market-leading cloud monitoring system, Avire Hub, specifically designed for the elevator industry, customers can easily initiate a test to move the lift through a secure platform. The results are reported back and presented via the Avire hub, offering maintenance engineers vital real time reporting.

Rob Lewis, Managing Director at Avire, said, "2018 has been an extremely busy and exciting year for Avire. The team has launched a range of new products such as Avire Hub and the Avire SIM card, as well as industry firsts including PRP Retrofit Display & Navigation Box and now Lift HAWK. We are extremely proud to launch the new Lift Hawk, and help our customers save time and money from reducing the amount of false call outs they attend per year. Our portfolio of new products maintains our position as global innovators within the elevator sector."

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A new benchmark in cable compliance

What does the BSI Kitemark mean to you? To most UK adults they see the Kitemark as a benchmark of quality and safety and that as the holder of a BSI Kitemark it sets you apart as a reputable and reliable company. You see the BSI Kitemark on car windscreens, on moulded plug sockets, on smoke detectors - they're in your home and around you in everyday life. Once you consciously look for one you see many.

So what about a BSI Kitemark for cables? Cables are ubiquitous - part of the unseen but

essential infrastructure, all around you in both domestic, commercial and industrial settings. Yet despite it being recognised by the 'average consumer,' the BSI Kitemark isn't available on cables. It can apply to cable management systems and finished equipment involving cable, yes, but not to the cables themselves.

That is, until now. The BSI Kitemark for Cable Testing Verification is a programme regulated by and under the rigorous surveillance of the British Standards Institution, that sees cables



extensively tested against British, European and international standards in a UKAS-accredited laboratory. It's the new benchmark in cable compliance.

The value of third-party approvals

In most cases, cables are produced against an over-arching standard - BS5467, BS EN 50288-7 and so on. Many of these hold third-party approval marks from industry bodies such as BASEC, LPCB. These valuable certified marks all provide important confirmation that the cables have been independently tested and they're all recognised and relied upon by people inside industry.

But these third-party approvals don't cover all types of cables, some are only made 'generally to' or 'in accordance with' a standard, such as the commonly used SY, CY and YY cables, the difficulty in verifying the quality and compliance can leave customers confused.

Yet aside from an overall cable standard, the individual components - the conductor, the insulation and other constructional layers - are bound by their own British and European standards. For example, conductor resistance needs to meet the requirements of BS EN 60228.

Being able to show that a specific construction of cable is compliant with relevant standards is hugely important, both in terms of assured performance for long-term use, but also from a due diligence perspective and in justifying the specification and selection of that product.

BSI Kitemark Testing

BSI Kitemark testing gives demonstrable evidence that cables meet these underlying standards, as well as the overall cable standard where applicable. For the Kitemark to be applied, each component layer is tested to relevant standards and it happens on a very granular level. Cables, across the core configurations and cross-sectional area sizes have been examined and tested. This isn't a small endeavour to take on and consistently deliver.

The first Kitemark approved cables

The BSI Cable Testing Verification Kitemark has been achieved by one company, Eland Cables. The Cable Lab is their UKAS accredited ISO 17025 test facility, and they've worked with BSI to develop the scheme over the last two years.

Eland Cables launched their own range of industrial automation cables, called Veriflex® which included SY, CY, YY, Servo, PUR and fieldbus cables. As BSI Kitemark testing is designed for, it allows the company to verify the quality, safety and performance of these cables against British and European standards. For Eland Cables it's about providing consistency and continuity to a range of cables that traditionally has suffered for a lack of overarching national standards, and putting compliance at the top of the agenda in every conversation.

Final words from BSI

Paul Turner, Certification Technical Expert at BSI said, "As the first company to achieve the BSI Cable Testing Verification Kitemark, Eland Cables sets a new benchmark in cable compliance. The rigorous and extensive testing programme they undertake in their UKAS laboratory, under our ongoing surveillance, tests the cables to British and international standards for key safety criteria. The BSI Kitemark is one of the most recognised symbols of quality and safety and by certifying their cables against the scheme, Eland Cables can demonstrate that its cables meet the highest standards."

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ELAND CABLES

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“As the first company to achieve the **BSI Cable Batch Verification Kitemark**, Eland Cables sets a **new benchmark in cable compliance**. The Kitemark is applied to products, including the Veriflex SY, CY and YY range of PVC and LSZH control cables, under strict UKAS test parameters and subject to **BSI's rigorous surveillance programme**. The range of tests provide third-party assurance that cables meet **relevant British and international standards for key safety criteria**, making them fit for use in appropriate applications.”

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More power, increased accuracy, higher speeds



Leading sheet metal sub-contractor Accurate Laser Cutting's £700,000 investment in the UK's first 10kW fiber laser has continued its success to the year it was first installed.

With its phenomenal processing speeds and improved processing capabilities, the 10kW Bystronic ByStar cutting system has set a new benchmark in laser cutting.

The high-performance equipment is capable of laser cutting aluminium & stainless steel up to 30mm thick, mild steel up to 25mm, 15mm brass & 12mm copper. It can also clean cut mild steel

up to 15mm thick, which is beneficial to customers who require an oxidation free edge on their parts. "Nitro-cutting offers so much more to our customers," explains company director Jon Till. "Previously, our ability to clean cut mild steel was limited to 3mm using our CO₂ equipment. To now have the capability of five times that thickness is an incredible improvement & a major benefit to customers who require further secondary operation processes."

This investment replaced their CO₂ cutting equipment at their Tividale, West Midlands manufacturing premises. Their laser cutting facility is fully

equipped with two state-of-the-art Bystronic fiber lasers: one 6kW BySprint 4m x 2m & their newest investment, a 10kW ByStar 3m x 1.5m system.

No doubt with their continued record breaking sales, passionate customer care service and the production of high-quality components, Accurate Laser Cutting will continue to lead the way in the laser cutting industry.

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Fraser Technologies stands out at Subcon



At this year's Subcon Exhibition, one company in particular made a huge impact on attendees seeking component cleaning solutions, this being Fraser Technologies. Subcon is one of the UK's largest tradeshows for subcontractors and those looking for specific services.

Fraser Technologies managed to stand out from the crowd thanks to their display of new generation chemistries and component cleaning systems. Offering a full range of cleaning processors, Fraser Technologies were able to connect with a large array of companies and potential clients, showing off both tried and tested products and brand new ones which will help companies stay abreast of changing industry legislations.

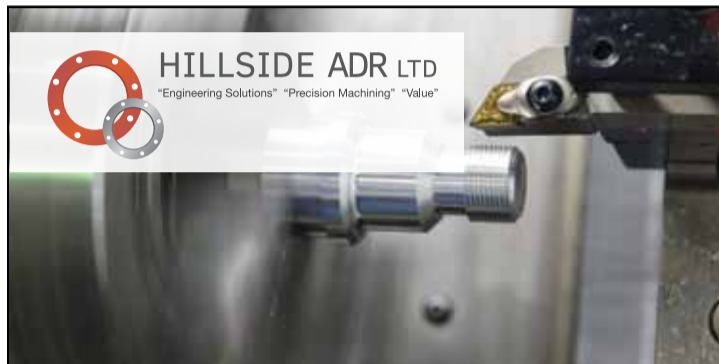
The Scottish company have already made a name for themselves within the cleaning sector, renowned for their unmatched services in component cleaning, electronics soldering and heat transfer. With 50 years of experience to their name, they have managed to cement themselves as one of the UK's most reliable names in Precision Cleaning, and to date, they have worked with companies across aerospace, defence, electronics, medical, optics and automobiles.

In addition to their solvent and aqueous cleaning systems, the experts can also offer advice and guidance, such as how to extend product life, product recommendations, and how to improve product efficiency, all whilst reducing environmental impact.

One of their proudest solutions includes the Opteon® range, brought forth in partnership with Chemours (formerly DuPont). Boasting almost zero GWP figures, everything in the Opteon® range is also safe, reliable and cost-effective too.

If you would like to find out more about Fraser Technologies and their many solutions, be sure to look below for details.

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Based in Northampton, Hillside ADR Limited specialise in sub contract precision engineering, CNC milling and CNC turning services throughout the UK. We can make parts from small samples, sketched ideas to full CAD drawings using a wide range of materials including aluminium and stainless steeling through to various other metals and plastics.

Our machining capabilities provide both milling and turning services in the UK using CNC and manual machines based upon the projects requirements and complexities. At Hillside ADR, we manufacture finished products that display both turned and milled parts using a range of specialised CNC machines in our Northamptonshire warehouse.

We provide to a range of industries throughout the UK and ensure that quality, precision and customer satisfaction is delivered throughout our services. We furthermore cater to those of you in need of sub contract engineering solutions because we believe ourselves to be experts in the field when it comes to precision engineering and CNC machining.

Due to our extensive knowledge in machining we are confident in manufacturing a variety of metal types including; carbon steels, tools steel, aluminium and many more. With regard to our machines engineering plastics we cater to the following; UHMW polyethylene, nylon, tufnol etc.

If you think your business could benefit from our sub contract engineering machining services or you'd like to make a general enquiry please don't hesitate to contact one of our Hillside ADR team today: **01604 671251**.

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Position switches

The Schmersal Group has launched a new generation of position switches. The new PS product range offers varied applications, as all the position switches can be used both as complete devices and as modular units.

and plant engineering – both for automation and safety applications and for lift engineering. The protection types IP66 or IP67 create the prerequisites for using the position switch in unfavourable environmental conditions.

Type 1 position switches in line with ISO 14119 are for the position detection and monitoring of moving parts on machinery and plants as well as for lateral or pivotable protection equipment. The new range is suitable for a wide range of applications across all individual disciplines of machine

The modular design of the PS range with consistent components across all models is said to reduce the number of variants, reduce storage costs and increase availability. All the position switches in the PS116, PS2xx and PS3xx ranges available within the modular system can be chosen both



as complete switches with actuating element or as basic switches.

Depending on the application, the basic switches can be combined with the necessary actuating element, which can be selected from a range of possible versions. This achieves the greatest possible flexibility in application and at the same time reduces the number of different switches available.

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Leaders in sanitation



The Midlands based company was first set up as a provider of sanitation, targeting the leisure and marine markets. However since then, the business has expanded year upon year and as such, the business now caters to a range of industries, including the domestic, commercial, industrial and welfare sectors.

Providing marine sanitation to include, complete packages, spare parts, service kits and tools, LeeSan not only supply to a vast array of different clients but also manufacture and provide design service, maintenance and technical support. They are strategically located in Warwickshire near major transport links with a warehouse in Fenny Compton that covers 6,500sq. ft. of space. They stock a wide range of spare parts and accessories from all the biggest sanitation manufacturers worldwide.

LeeSan supply a large variety of different sanitation and plumbing components including: toilets, hoses and pipe fittings, tanks, spare parts for toilets and pumps, consumables, tank accessories, self-pump out kits, service kits, flush water treatments, water systems, bilge water filtration, seats and lids, waste transfer systems and a whole host more.

When it comes to sanitation solutions, LeeSan are a cut above the competition, offering equipment for log cabins, caravans, steam trains, event toilets, caravan toilets, corporate hospitality toilets in even the most remote locations. They also offer cutting edge pump out equipment, having worked with some of the largest and most prestigious marinas in the UK, Europe and the Middle East.

A part of LeeSan's reputation comes from the fact that they are members of British Marine and even have staff on the BM Council, BM Environmental committee, BM Thames Valley committee, the UK Harbour Masters Association and The Yacht Harbour Association.

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Muller Coax are the original designers and manufacturers of coaxial valves having established the company and product in 1960 and are established in many industry sectors supplying valves to many diversified blue chip companies and organisations worldwide including Siemens, Rolls Royce, BNFL and many automotive plants where the valves are specified for use.

From their head office and main

manufacturing plant in Germany, Coax have wholly owned companies in USA (also manufacturing base), UK, Spain, Italy and China, and distributors worldwide to support our customers wherever they may be.

Muller Coax product range includes products for many industry sectors including, power generation automotive plants, nuclear industry, military, pumping applications, machine tools.

Valve range have valves for medias up to 500bar, 2/2 and 3/2 function, Atex compliant, fast reaction time, various body materials, position indication and all are SIL2 rated as standard.

For more information about Muller Coax valves, please visit our website at: www.co-ax.com or contact: john.osborn@coaxvalves.co.uk.

Muller Coax are an ISO 9001:2015 accredited company



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Leman Instruments is a European enterprise known for their high performance products specifically designed for solid, liquid and gas analysis. Leman has a cost-effective approach and offers technology-centred gas generators for use in laboratories, air quality monitoring and more.



Based in Archamps Technopole in France, Lemman Instruments was first established back in 2012. The team has over thirty years of business practise which goes into Lemman, making it one of the most reliable and trustworthy figures in the industry.

Leman Instruments has a wide range of products and services, from various modules in different designs, all of which have an involvement with high purity Hydrogen (H₂), Nitrogen (N₂), Zero Air. They also have combined solutions for FIDs, GCs, purge Air generations, CH₄ & CO₂ scrubbers, N₂ and multi gas for LCMS. Their products also feature the possibility of AK protocol integration.

Their products can also be seamlessly controlled using a touch panel or iPad due to the innovative Proton Exchange Membrane (PEM), Pressure Swing Absorption (PSA) and Catalysis, in addition to being simple to install.

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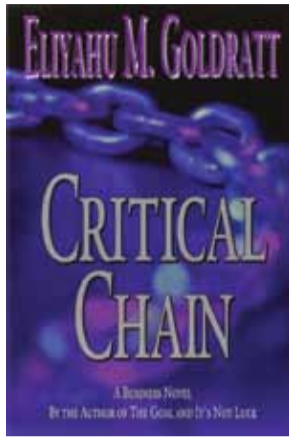
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Biopharma Group has six core divisions to the business: Equipment Sales, Lab Services Consultancy, Biopharma Technology LLC (dedicated USA division), Biopharma Technologies France, BPS Crowthorne in Ireland and Crowthorne Hi-Tec Services (CHTS).



drying technology as part of their process, predominantly with the user experience and results being the driving force behind the design.

Biopharma has actively produced and continues to invest in the development of the most advanced analytical instruments available to individuals using freeze-drying technology. Biopharma is

perhaps the only company worldwide working in the field of freeze drying that, in addition to research services and training programs, develops unique analytical instruments to advance the science of freeze drying. Biopharma's product portfolio has recently integrated the new Freeze Drying Microscope Lyosta5, with upgraded features along with the next generation Electric Impedance Analyser, Lyotherm3, which has unmatched sensitivity to detect crystal mobility and hidden structural rearrangements.

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Domed Badge Specialists News

Dash Dynamics: Your answer for Branding and Control Panels

Dash Dynamics understand the need for clear, easily understood graphics for Machinery and Branding.

Using the latest design, printing and doming techniques, we work alongside your business to create Resin Domed badges for use on panels and equipment to enhance their appearance and give accurate information on their use. Product branding also requires a bespoke look, that's where the use of quality Resin Domed sets your products above the normal.

Need low volume production runs, a fast turnaround time? That's no problem. We are happy to work with single badges and we usually can manufacture and ship the following day. Need higher volume? Just get in touch and we will be happy to offer you a quotation.

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www.dashdynamics.co.uk



Domed Car and Auto Badges



All our domed car badges are manufactured to Automotive specifications. The adhesive is suitable for use as wheel centre and bezels or directly to body work.

The inks used are either solvent or latex based depending on application. The resin used for the domed badges is a stable two-part polyurethane.

The finished product will not go cloudy and UV stable so they will not fade in sunlight.

The scratch resistant surface will ensure your logo will remain clear and visible for years to come.

We can produce in a number of different finishes such as Silver, Chrome, Gold, White, Brushed Aluminium etc. whatever you require.

Small Production Runs

Here at Dash Dynamics, unlike many of our competitors, we specialise in small production runs so if you just need a set of wheel centres for your newly purchased or refurbished alloy wheels, then no problem.



Turnaround time is fast! In most cases, if you order before 1.00pm, the order will be produced the same day and after overnight curing it will be sent the following day via first class post or carrier depending on size. International orders are accepted too.

Size Matters

For larger trade bulk orders, rates improve. Feel free to pick up the phone and call us on: +44 (0)1995 606158 or email us at: info@dashdynamics.co.uk for cost against volume.

www.dashdynamics.co.uk

The UK's domed badge specialist

ASK OUR EXPERTS



Domed Badges from Dash Dynamics

Based in Garstang between Lancaster and Preston, Dash Dynamics specialise in the design and manufacture of resin domed badges (also know as bubble badges) for a range of applications across a variety of industries. These products are fabricated using the latest technology under strictly controlled atmospheric conditions. We produce resin badges, labels and signs that are scratch and heat resistant, UV stable for both internal and external use.

We produce normal self adhesive vinyl stickers where the customer requires a simpler, cost-effective means of personalising products. We also offer a doming service for printers requiring their own production to be domed (Please call us regarding this process as there are certain design and production requirements to be met to create successful and professional results).

All our products are tailor made to your requirements including small volume production. For a cost-effective and professional way to enhance and brand your products or promote your company, please contact us by phone or email with your requirements.

Please visit www.dashdynamics.co.uk

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UK leading Bubble Badges

Dash Dynamics was set up by David Wilkinson, based in Preston, and specialising in the manufacture of resin domed badges, more commonly known as bubble badges. These kinds of badges can



be seen everywhere around us, as logos on cars or throughout schools, hospitals and even within sports. Dash Dynamics' vast client base stretches around the world, with their clients as far as Europe, the US and even down in Australia.

These domed badges are incredibly resilient and long lasting, and they are the perfect way to show off your logo and branding. They are made with adhesive vinyl and polyurethane resin, and all badges are made to be scratch resistant, heat resistant and even UV stable. They can also be made in any shape, size and colour, matching each client's individual flair and brand.

Domed resin badges like these are in high demand by companies of all types, however manufacturers are few and far between. We spoke to David himself who explained, "Dash Dynamics are one of just 6 professional bubble badge manufacturers in the UK. We have managed to set ourselves apart thanks to our very fast turnarounds and ability to produce small batch volumes of badges. In addition, we are also constantly investing in the latest technology and machinery and are currently organising new cutters, printers and doming machines."

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Curtiss Wright impress at this Year's Advanced Engineering Show

This year saw the 10th anniversary of the Advanced Engineering Show, one of the biggest engineering and industrial based trade shows in the UK. Based at the NEC, Birmingham, the show brought together SMEs and international corporations for two days of extensive networking opportunities, professionally led seminars and talks, and a chance to catch up on the latest industry news.

As long time exhibitors, Curtiss Wright Surface Technologies also attended the show for the 10th time in order to showcase their wide ranging portfolio of material based solutions. Curtiss Wright, a subsidiary of the Curtiss Wright Corporation, boast a global network with over 70 locations, providing material surface treatments, protective coatings, high tech processes and much more for the aerospace, automotive, oil & gas, subsea, medical, and power generation sectors.

At the show, they demonstrated the practical applications and benefits of their services, such as Controlled Shot Peening which is excellent for reducing fatigue and stress corrosion cracking, shot peen forming for



creating curvature in aircraft wing skins, laser peening, CASE Isotropic finishing, parylene conformal coatings and much more.

Among their lauded engineering coating services, Curtiss Wright also offer thermal spray coating, which proved to be one of their main draws at the Advanced Engineering show. Their thermal spray and High Velocity Oxygen Fuel spray coatings can be seen in use throughout aerospace, automotive, oil and gas, and much more. Essentially, thermal coatings offer a cost-effective and high performance alternative to hard chrome plating, providing a finish that protects metals from heat, wear, oxidation and corrosion. Attendees of the show were particularly impressed by the many advantages gained by HVOF thermal spray coating, including how it can be used with metals, alloys, ceramics and carbides. Not only that, but it is also shown to provide outstanding bond strength to withstand against extreme mechanical loads and more.



At the show, Curtiss Wright also received rave reviews for their Solid Film Lubricant and Liquid Component Coatings which provide long lasting lubrication, and protection against friction and galling within harsh operating environments.

If you would like to find out more about Curtiss Wright and their many specialisms, you can get in contact with the team using the details provided below. For more information and case studies on their services, be sure to head over

to the website below.

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