



SUSTAINABILITY TODAY

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The ultimate high throughput solution

Impact have been experiencing increased demand for its Zigzag Air Classifier, or ZAC as its widely known in the industry, so much so, it has responded to its clients' requirements with a higher throughput version, the ZAC1200.



The ZAC1200 has all the same impressive features of its predecessor, the ZAC800, but boasts a 50% higher material throughput capability. While its still a popular solution, the 800mm ZAC has a maximum throughput capacity of 24m³/h, while the ZAC1200 can handle up to 36m³/h, making it the ultimate solution for continuous material streams.

The separation of materials such as SRF, glass and aggregates is effortlessly achieved by Impact's ZAC, providing a super-fast return on investment for waste operators. Specially engineered for the processing of glass rich or highly abrasive sub 60mm material streams, the ZAC system is constructed from carefully selected materials ensuring exceptional durability requiring minimal maintenance, resulting in minimal downtime. The Zigzag cascade enclosure includes hardened chromium cast plates to greatly reduce wear from glass, ceramics, aggregates, and other abrasive material.

To book an appointment at Impact's test facility and to see Impact's ZAC in action, please visit: www.impactairsystems.com

cromwell

Cromwell is working to develop and support the circular economy with the capture, containment, and conservation of resources.

We are achieving this by:

- Investing in UK recycling and manufacturing facilities
- Expanding our Polythene Recovery Service in partnership with our customers
- Providing up to 100% recycled and recyclable films from our UK plant

Contact Cromwell to discuss how your company can improve the environmental credentials of its polythene and compostable film products.



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A&S International offering SulNOxEco™ Fuel Conditioners to clients with Net Zero ambitions

A&S International Ltd ('A&S') is pleased to announce that it has agreed to become an Independent Sales Organisation ('ISO') for SulNOx Group.



The A&S team has been in the industrial lubrication distribution business for 47 years and represents a range of machinery lubrication and bioremediation brands via a global network of more than 50 distributors. The strategic vision of the SulNOx Group is to provide its unique proprietary environmental fuel conditioner technology, to ISO's around the world.

A&S is already working with & providing SulNOx training for some of their teams in Australia, Chile, China, Greece & Indonesia and are also developing new opportunities in the UK, USA and LATAM. A&S's Australian, Chilean & Peruvian distributor teams will be specifically introducing SulNOxEco™ Diesel Conditioner to their mining clients – proving the product's capabilities of not only reducing fuel consumption by 8-10% but also their emissions by up to 30% for CO₂ & 60% for particulate matter. Their UK team is also setting up emission reduction & fuel saving evaluations in a variety of industrial sectors including bus & coach fleets, civil engineering, data centres & remediation firms.

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The new generation of gas-concentration measurement devices

Portable detection, warning and measurement devices

The portable gas detection and measurement devices in the **EX-TEC® PM 5XX** series will make the work of gas fitters, maintenance crews and other specialist staff much simpler. They will help pinpoint leaks in freely accessible gas pipelines, estimate the risk of explosion and ascertain whether levels of toxic gases fall within occupational exposure limits (OELs).

Ergonomics that make work easier

All models in the new **EX-TEC® PM 5XX** series are accredited as gas detectors and approved for use in so-called "Ex" zones. Their high IP65 enclosure rating ensures safe operation even under adverse conditions.

Thanks to their non-slip housing with a rubber lining, the devices are easy to hold. Their high-contrast display is razor-sharp and is easy to read even in sunlight. All of the device's functions can be launched easily from its simple 4-button keypad (two arrow keys, menu key, enter key). The separate on/off button does not have any additional functions.

Just the device for every application

The fully featured version of the **EX-TEC® PM 5XX** gas detection and measurement device can detect up to five different gases. Thanks to its modular design, the user can tailor the device perfectly according to their needs.

For the construction industry, the **EX-TEC® PM 580** displays the carbon monoxide concentration in the ambient air and triggers an acoustic and optical alarm in case of high values. Carbon monoxide is toxic and can be released when combustion devices such as boilers have an insufficient air supply. The gas is poisonous to humans.

Convincing features

All of the models in the new **EX-TEC® PM 5XX** series are very user-friendly and suitable for any application thanks to their simple 4-button navigation and clear menu structure. Device inspection is supported intelligently by the device software and the illuminated 2.5" display can be read in any environment. The non-slip housing is easy to carry and, thanks to its single-hand operation, can be used by both right-handed and left-handed users. Should the hydrophobic filter come into contact with water, it protects the device and triggers the pump alarm. Filter contamination can be identified quickly and easily on the transparent closure in front of the easy-to-replace dust filter.

A short sensor and belt clip make use of the device even more comfortable, and are included as standard. Other sensors are available for users to customise the device for their exact requirements.

Running on AA batteries or rechargeable batteries, the device operates for a total of between 8 – 16 hours (depending on model and application).

Test equipment SPE AutoFlow simplifies necessary device inspection and reduces the amount of test gas required. The ATS 503/ATS 501 test station ensures precise measurement values automatically and reliably. Both are available as accessories. Powerful software called GasCom enables storage of the recorded measurement values and is used to configure the entire device.

Additional information on the new SEWERIN **EX-TEC® PM 5XX** range of devices is available from SEWERIN distribution partners or on the internet.



EX-TEC® PM 580

Detecting, measuring and warning – Everything you need

- Intelligent assistance with device inspection wizard
- Detects up to five different gases
- Practical and safe one-hand operation
- Quickly identifiable filter contamination, easily exchangeable dust filter
- Pump alarm if hydrophobic filter comes into contact with water



Ecohog's Scrap Metal Mobile Downstream leads scrap revolution

Waste and scrap metal recovery equipment manufacturer Ecohog Ltd are excited to launch their Scrap Metal Mobile Downstream Solution to the Scrap Processing Marketplace. Continually paving the way in innovative technology designed to maximise quality material

separation. Ecohog have worked alongside a range of industry leading scrap metal processors and shredder manufacturers to develop the ultimate scrap metal downstream solution.



01275 740280 | enquiries@pyrocore.com
www.pyrocore.com

The solution to maximising scrap metal waste recovery

Shredding of cars and scrap metal in general is a well-established market. However Ecohog recognised that there was a lot of valuable metal being overlooked and ultimately going to landfill. This was due to the inability of technology and/or processes to isolate and cleanly separate these remaining commingled metal/waste fractions. The trend in the industry has been towards large, static systems that are both expensive to purchase and maintain. In addition, there can be an arduous and slow process of planning and permitting for such fixed plants.



Through ongoing research, development and over two years of scrap metal material testing, Ecohog now provide a solution to maximise ultimate recovery of the 'forgotten' valuable metals and waste. Focusing on the separation of non-metal fraction contaminants enables the scrap metal processor to increase the commodity value of each core product. The overall scrap metal solution combines mobile hammermill shredding, Ecohog's latest product the Recon-Q Mobile Ferrous Separation System and longstanding Hogmag tracked ECS.

Ecohog Managing Director, Tracey McNally stated, "We are delighted to be formally launching our Scrap Metal Mobile Downstream Solution to the



global marketplace following over three years of intense development and testing. The jewel in the crown is the Recon-Q, it combines multiple separation technologies that together provide ultimate cleaning of the ferrous scrap and waste residue. Therefore improving the scrap processor's output by ensuring maximum sorting and recovery of all waste elements of value, thus saving money and increasing profit! The response from all our customers to date has been phenomenal with systems operating in a range of scrap processing types including Aluminium Can (UBC), City Scrap/Amenity and Car Frag operations. We truly believe the combination of the three machines in a scrap mobile downstream process to be game changing. We are thrilled to finally bring it fully to the marketplace in collaboration with a range of well-known global hammermill manufacturers."

Exceptional results

Partnering the industry proven hammermill technology with the Ecohog Recon-Q Mobile Ferrous Separation System and mobile Hogmag Eddy Current Separator scrap metal processors have the capacity for example to shred full cars, used aluminium beverage cans, and cityscrap/household white goods using the hammermill. Shredded material directly enters the Recon-Q where the windshifting technology removes the light garbage contaminants in a two stage process. Consequentially, the resulting metal fed to the custom specification Ecohog scrapdrum is exceptionally clean. From this point the reclaimed ferrous fraction undergoes the on-board quality inspection phase.

This is where any rogue items can be removed along with large and small armatures or 'meatballs' and 'lemons' as they are commonly referred to. The fraction not captured by the ferrous magnet then undergoes a tertiary treatment step, again with an application specific Ecohog designed Eddy Current separator. Furthermore, achieving incomparable recovery and purity of Zorba, while liberating Zurich, making it readily available for isolation/separation. The combination of the equipment delivers an upgraded end product at a cheaper cost per tonne production rate, due to the decrease in capital equipment required.

Ecohog are both proud and excited to introduce this patent pending solution to the market. A product that has, within its first few years, revolutionised and redefined both the gold standard of scrap processing and the perception of the best way to recycle scrap, achieving unprecedented recovery and net profit.



To find out more about the Recon-Q and Ecohog's Scrap Metal Downstream Solutions: T +44 (0)2880 761295
info@ecohog.com
www.ecohog.com/contact
Youtube: https://youtu.be/rlwY7mJugzg

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Sustainable paper solutions



In this issue of Sustainability Today, we are delighted to have chosen Denmaur Paper Media as our Print and Publishing Company of the Month.



Denmaur Paper Media was established in 1983 by Mike Gee, CEO and his brother Nick Gee, Managing Director. As a long-standing established name within the print and publishing industry, Denmaur Paper Media stands as one of the leading specialist paper suppliers in the UK. Denmaur Paper Media comprises of two divisions: Denmaur Paper, which is a stockist paper and a board merchant servicing the UK's commercial print sector; and Denmaur Media, a specialist in providing a managed paper supply to publishers and end users who recognise the benefits of sourcing their own paper for print.

their printed media and communications. As well as positively taking action against climate change, The Carbon Balanced Paper scheme comes with the added benefits of an independent Carbon Balanced paper website with direct audience access, a registered World Land Trust Carbon



Balanced Paper logo for all printed media and comms, a World Land Trust certificate which is useful for CSR reporting which shows good business practice by supporting an international charity, and stands as a credible report that serves as an environmental record for ISO 14001 and Carbon reporting. "We offset the carbon emissions associated with the manufacture of any of our paper grades. Carbon foot printing has become standard practice in the paper industry, with mills annually declaring the breakdown of the emissions and energy usage associated with raw material procurement, manufacture and distribution. We use the World Land Trust's Carbon Balanced

Paper scheme to offset our paper products, which supports vital REDD + projects in some of the important areas of the planet," stated Danny.

In addition to the company's sterling sustainability profile, it also offers a large unrivalled



"We specialise in the sale and distribution of paper and paper fibre board products for the print and conversion sectors. Our products are used for everything from magazines, books, pads, envelopes, greetings cards and all sorts of packaging – including food packaging and zero plastic disposable cups," stated Danny Doogan, Director of Marketing and Sustainability.

Offering a large range of innovative and sustainable products for print and conversion, in 2016, Denmaur Paper Media became the first Carbon Balanced paper merchant in the UK. "We are able to offer a complete choice of paper grades and weights for conventional and modern printing processes. All of our paper grades are either forest management certified (FSC or PEFC) or recycled (made from certified post-consumer waste). This is a guarantee that our paper grades are sustainably sourced, and the raw materials of any virgin fibre grades can be traced back to their tree species and country of harvest," said Danny.

Traditionally, Denmaur Paper Media has served mainly printers and converters, however, as the world around us is changing and the responsibility lies within us all to create change and actively seek sustainable alternatives, the opportunity for end users to use the World Land Trust's Carbon Balanced Paper Logo on their printed products has been made possible through Denmaur Paper Media.

Regarding sustainability as the heartbeat of its sourcing policy, Denmaur Paper Media offer a simple, valid and measurable way for companies and organisations to reduce the carbon impacts of



advantage stocking some of the biggest recognised sustainability brands in the industry. One notable paper brand being Revive, which is renowned for its comprehensive range of recycled papers for publishing and print.

Revive offers a definitive range of post-consumer waste recycled paper and boards for print and publishing. Made from FSC® Recycled certified post-consumer waste pulp and carbon balanced at source, the entire Revive product range available includes Revive Natural, Uncoated, Coated, Media, and Greyboard.



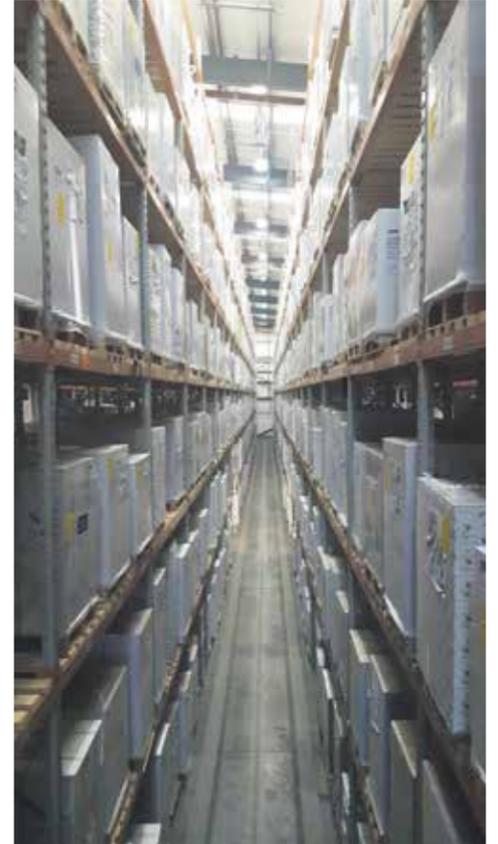
Denmaur Paper Media also stock Delipac, a truly sustainable barrier packaging board offering certified non-plastic, non-PFAS and completely recyclable food and drink packaging made entirely from paper fibre. Certified as 100% recyclable, compostable, and biodegradable, Delipac offers a convenient solution that respects the planet.



An exciting addition is Ecofoil Digital, a 100% recyclable new range of sustainable metallized paper and board products developed for digital print production that holds all the creative benefits of a metallized polyester but is certified plastic free. Allowing for in-foil embellishment with existing digital press without the need for any additional capex investment, Ecofoil Digital is a foil board substrate rather than a selective foil embellishment such as hot foil or digital foil. Available in GC1, Silk, Gloss and Carton GC1 substrates.

With the effects of COVID-19 still looming, many companies have suffered losses and setbacks due to the pandemic's effect on the economy. Denmaur Paper Media, however, has remained strong and put itself in prime position for continued growth. "As part of our forward-thinking strategy, we prepped very well and adapted for what was to come in the way of lockdowns, business closures and transportation issues. Capacity and pricing are issues that we also share with other industries now, along with the new strain of COVID-19; but we remain confident and optimistic about the future and of the path that we continue to travel," said Danny.

We spoke to Danny on what opportunities lie ahead, he responded, "Part of sustainability is understanding how outside behaviour and change can throw challenges and opportunities your way.



We believe in a paper fibre-based solution and that it will work with new technologies, and new ways of working and living. As we are working towards a carbon net zero and circular economy, paper is one of the very few materials that can fit in this future. Made from a natural resource (trees), it is also a store of atmospheric carbon emissions. It can be recycled up to eight times into a variety of different paper products, and when the fibre becomes too short for paper and board manufacture, it is used for agriculture and horticulture as a natural soil improver. So, it comes from the ground, serves many uses and it ends up in the ground – truly circular."

Sustainability is the future and is key to what has shaped the company's best practices since the beginning. With an increasing demand to implement environmental change by way of alternative materials, Denmaur Paper Media create purposeful, world changing solutions with endless possibilities.

For more information, see below:
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www.denmaur.com



Letsrecycle Live

Letsrecycle Live took place at Stoneleigh Park, Coventry this year for what turned out to be a highly successful gathering. Letsrecycle Live is the UK's leading live show for the waste, recycling and sustainability industry.

From September 15th–16th 2021, the annual event had six sector zones stretching across indoor and outdoor areas. Letsrecycle Live featured more than 100 keynote speakers

across four conference theatres, live material processing, live vehicle demonstrations, and live fire suppression tests. Altogether there were over 250 exhibitors plus a range of free to attend networking events including Meet the Buyer, Women in Waste, apprenticeship programmes, training sessions, bursary support, AGMs and the infamous 'Inn of the Green.'

The event is a perfect chance to meet with

thousands of professionals from Waste Management, Skip Hire, Councils, Waste to Energy, Brokers, Wood, Organics, Plastic, Paper, Textiles, Packaging, WEEE, Glass and more.

Save the date for the next event on the 14th-15th September 2022 at the NEC, Birmingham.

This is our second pick of the best exhibitors



from last years show, listed here in alphabetical order: Mardon Recycling, Scarab Sweepers & Tecman.

Contact
www.letsrecycle.live

Tecman to expand UK product offering

Tecman's attachments portfolio with inclusion of new concrete cutter crusher.

Tecman are expanding their hydraulic attachments offering in the UK with the addition of augers, demolition grabs and cutter crushers. Tecman are looking for UK dealers of Tecman attachments for the recycling and demolition sector, Brian Johnson, UK and Ireland Sales Director of Tecman UK, said, "We are thrilled to be launching more attachments to the UK market. We are always developing innovative products to add to our ever-expanding range and the attachments portfolio has now increased by 60% in the last year alone. With further announcements due in the not-too-distant future, it is an exciting time for the Tecman Group Founded in 1993, Tecman is a global leader in the manufacture of Rock Breaker Boom systems. Tecman has become a global specialist in the



design of rock breaking solutions for the quarrying and mining sectors."

Over a quarter of a century later, Tecman consists of 3 integrated factories covering all processes of rock breaker boom, hydraulic hammer, design, and manufacture.

They have since moved into attachments to complement the business across Europe, Africa, and South Africa.

Contact Brian Johnson,
Sales Director UK & Ireland,
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www.tecman.com

Mardon Recycling Machinery: Leading supplier of waste balers, compactors, consumables and recycling machinery

Mardon Recycling Machinery are a leading supplier of waste recycling equipment, servicing and consumables, continually providing high quality, innovative waste handling solutions throughout the UK. From a single piece of equipment to bespoke recycling machinery designed to suit customer requirements, Mardon work closely with its customers, understanding their business requirements and processes to provide the best possible solution to all recycling needs and environmental objectives.

The superior RamPack range consists of a wide variety of recycling machinery including waste compactors, plastic balers, cardboard balers, mill size balers, semi and fully automatic balers and all associated equipment. The RamPack range helps increase recycling capabilities, enhance environmental credentials and save money. With a variety of financial options available including outright purchase, hire and rental packages, this enable customers to have the best equipment available with the latest technology at a cost that suits them.

Mardon use their years of experience and in-depth knowledge of the waste industry to offer the best experience, from initial consultations through to the on-going management of your recycling machinery. Mardon engineers are situated nationwide and will be there every step of the way through delivery, installation, complete on-site certified training and an unsurpassable aftercare service, giving our customers complete piece of mind.

Contact
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E sales@mardongroup.co.uk
W <https://mardonbalers.co.uk>



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SCARAB ♦ Leave nothing behind

Scarab support customer's transitioning from Twin to Single Engine Sweepers

Scarab Sweepers is a global leader in the design and manufacture of truck-mounted road sweepers for municipal, highway and off-highway applications. Scarab's mission, which lies at the core of their business vision, is simple: to design and manufacture the most environmentally focused range of sweeping solutions. Scarab can justifiably claim to be the pioneer of the truck-mounted sweeper powered from a single engine and the ongoing success of this system is a seal of their commitment to the environment.

Though recognising that the future of the industry lies in alternative fuel solutions with the increasing focus on zero emissions, Scarab believes that there has never been a more important time to make the switch to single engine machine to help customers reduce emissions and costs immediately.

Scarab, who combined with sister companies Mathieu and Ravo form the Fayat Environmental Solutions group, offer and continue to develop class leading electrified and alternative fuel sweeping solutions.

T 01622 831006
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www.scarab-sweepers.com

TANA deliver unmatched versatility

In this issue of Sustainability Today, we are pleased to announce TANA Recycling Machinery UK as our Solid Waste Management Company of the Year.

TANA was established in 1971 and has been at the forefront of designing and manufacturing robust machinery for the purposes of solid waste management ever since. With decades of experience on the needs and requirements of landfill and waste management operators, TANA launched its UK distributor TANA Recycling Machinery UK, with an aim to bring a touch of Nordic expertise and engineering know-how to the UK. TANA Oy is based in Finland, but TANA Recycling Machinery UK operates out of its South Yorkshire headquarters in Doncaster.

In just under 50 years of trading, TANA has grown to be a global name and since May 2016, TANA Recycling Machinery UK has been at the forefront



All TANA products aim to provide maximum efficiency and profit to make waste management businesses thrive. TANA machines are designed with skill and experience using the best components and materials available.

When using the right machine, waste can be transformed into valuable raw materials. Reducing, re-using and recovering waste to manage waste sustainably can be done profitably. Efficiently recycling waste by conventional means is notoriously difficult, and in most cases only a certain percentage of the waste ends up recycled. But what if there was an easier way that recycled waste from a variety of materials? Developed to tackle the challenge of solid waste management, the TANA Shark industrial waste shredder is the most versatile shredder on the market and the perfect machine for handling different waste materials that can change even on a daily basis.

"We are lucky enough to have the most versatile machine on the market in regard to the TANA Shark Shredder. Be it general waste, mattresses, tyres, wood, plastic, C&I, C&D the Shark can handle them all and more. Pair that with excellence in service and you have a winning formula," said Brooklyn.

There is a large gap in the market for industrial machines to aid in the material recovery process of turning waste into valuable raw materials. TANA Shark industrial waste shredders are the optimal choice for handling large amounts of recycled materials. TANA offer a solution and has drawn on its wide range of expertise to create a machine that runs off a control system that has an adjustable rotor and conveyor speeds, overcharge pressure limits and rotor options to ultimately make production flexible and optimise shredder operation from one waste to another easily via a touchscreen.

There are many applications to which the TANA Shark shredder can be used. The TANA Shark can shred all kinds of end-of-life tyres. These could come from cars, trucks, aircrafts and heavy-duty vehicles and can be really difficult to recycle. The TANA Shark uses high-torque shredders to make it possible to shred tyres to an 80mm particle size in just one pass and separates most of the metal wires directly from the shredded material flow on the conveyor. The steel wiring is removed in the shredding process and by an over-band magnet in the unloading conveyor. Once separated, shredded tyres and metals can be sold and reused in many ways. This process offers the chance to generate income from end-of-life tyres as the tyre parts can be used for other processes such as asphalt companies who would be interested to buy large



of delivering unmatched versatility to the UK recycling industry. To mark a successful five years of trading in the UK, TANA Recycling Machinery UK has gone on to receive the International Dealer of the Year award for its outstanding performance.

TANA Recycling Machinery UK has a mission to provide customers with simply more money on the bottom-line with cutting-edge technology in solid waste management. All products are manufactured and designed from the TANA headquarters in Finland. Although boasting a successful first few years, the last 12 months have been testing times for the business. Brooklyn Walker, Sales Manager explained, "The last 12 months have been a challenge as I'm guessing it has been for the whole industry but with our great team and brilliant products, we have managed to overcome challenge after challenge and strive in these difficult times. In terms of sales, we have managed to outperform our sales target once again. The problem we are faced with is keeping up with the demand for our machinery, with prices of material increasing and with over 50 countries all selling TANA machinery our suppliers are working hard to keep up with our ever-increasing sales."



Shaun Walker CEO of TANA Recycling Machinery (UK) LTD receiving the Award

quantities of shredded rubber crumbs to mix with their hot melt asphalt to make pavements cheaper. Furthermore, other road companies would also benefit by utilising the shredded tyres to use in road beds to minimise vibration and for highway sound barriers.

Construction and demolition waste such as wood, stone, plastic, aluminium profiles, insulation materials and reasonable amounts of concrete can also be easily handled by the TANA Shark. Construction and demolition waste accounts for more than a third of all waste generated in the EU. The demands these industries put on recycling of waste they produce cannot be met by any other shredder on the market. The TANA Shark is



incredibly efficient, and the TANA Control System controls the shredding of these harsh, bulky debris materials from start to finish. Other machines on the market could end up blocked up with metal bars or blocks of concrete creating a peak pressure exhausting the machine. The TANA Control System intelligently stops the operation and peak pressure, allowing the object to easily be removed through the opening side door.

For packaging materials such as hard and soft plastics, cardboard, paper, wires, paper rolls, containers, aluminium, gypsum or any reject from production line of a manufacturing process can all be shredded using the TANA Shark. TANA

Shredders are well utilised in the treatment of this variety of material. Many complications arise from commercial and industrial waste depending on the recollection process of the materials. TANA shredders are slow speed and use a single shaft with high torque that optimises the machines functions. Because of TANA shredders unique features downtime is minimal as processes are in place to ensure the treatment process runs smoothly and efficiently without breaking down or requiring a 'cool off' period.

Get more out of your investment as the TANA Shark's low-rev and high torque process makes light work for difficult materials such as mattresses, cables and wires, and ragged wires.



Some of these materials are loathed by landfill operators as especially mattresses contain a mixture of complex materials such as textiles, latex, foam, springs and wood that are difficult to recycle. Furthermore, they are costly to dispose of unless processed properly. Through a magnetic separation, the TANA Shark creates shred that takes up less airspace and is easy to compact in a landfill or process further. The magnetic separation of metals can generate additional income, as it can be sold on for recycling purposes. As cables and wires come in a plethora of shapes, sizes and contents, they can be classed as almost impossible to separate. However, the high torque



to the UK recycling industry



of the widest range of materials and shreds the toughest materials such as shingles and big tyres.

Other machines available from TANA Recycling Machinery UK are TANA Wind Sifter for better separation by density – separating light from heavy materials with a high-grade accuracy and low operating costs. The TANA Landfill Compactor allows the user to compact 10% more material and is more accurate and uses less fuel than a four-wheeler. It's the best in compaction comparison and offers the lowest gravity point on the market. Both machines come as a full line up and focus on maximising uptime and efficiency, keeping machines up and running without disruption.

In support of the TANA shredders range, TANA ProTrack® offers the possibility to significantly improve the engagement of personnel to a company and their work. TANA ProTrack® allows users to track their operations in real time enabling them to see the numbers and understand the waypoints that in turn will increase work efficiency. The state-of-the-art management system is constantly being developed to make business practices better. TANA ProTrack® allows a business to fine-tune its processes in order to get the most out of the TANA machine. Tracking process information in real time enables viewing of the fuel consumption, fault codes, uptime information, capacity and other vital operational statistics. The TANA ProTrack® is a machine that merges into a coherent system to ultimately

capabilities of the TANA Shark enable this process to be possible. One advantage of the TANA shredders is the ease of removing non crushable items or clearing a jam through the opening side wall in the occurrence of a jam. Ragger wire is often landfilled because no method or machinery on the market can separate the material cost efficiently. Specifically the TANA 440 series shredder is a proven solution for shredding of ragger wire. The adjustability and high torque of TANA shredders allow for this to be possible.

The TANA Control System has 12 pre-programmed operating programs for different types of materials and purposes of shredding. TANA Shark shredders takes care of the whole shredding process resulting in making 20% more profit. Overall it is capable to produce a large range of homogenous particle sizes, its unique and versatile process allows for a productive recycling

increase the reliability of the working site, engage personnel and improve overall business processes. Taking data and analysis from the TANA machine, TANA ProTrack® then presents concrete evidence of how much profit can be gained, the amount of expense a company has laid out and how the business could be further enhanced.

Customers of TANA Recycling Machinery UK operate in a variety of areas amongst the waste management industry. The team at TANA Recycling Machinery UK's job is to help customers do their jobs as easily, cost-effectively and eco-friendly as possible. Their efforts and proficiency in achieving that goal has been recognised recently as they received the honour of accepting the Sales Team of the Year Award within the business. "This means a lot as it strongly reflects the time and effort we take with every customer. A high percentage of our sales are from recurring customers which speaks volumes for our brand, team and machinery," stated Brooklyn.

Looking ahead, TANA Recycling Machinery UK has put short and long-term goals in place in order to keep reaching set targets. "Short term, we will keep doing what we're doing. Keeping our customers happy and our machines ever

developing and improving. In the long-term, we have several projects in the pipeline looking to arrive in 2022 to which we will announce on all social media platforms when they become available. Of course we will always continue adapting to the ever-changing industry and with the team and network of support we have around the world, I can see bright things for our future," mentioned Brooklyn.

In closing, we asked Brooklyn how TANA Recycling Machinery UK felt receiving the award. "Honoured, I know you have been keeping an eye on what we are doing, and we are delighted to receive the recognition. I also want to say a big thanks to our team over in Finland for continuously finding a way to revolutionise the waste and recycling industry and our dealers around the world forever expanding the TANA name. And lastly, for our amazing team here in the UK, for the hard work and dedication they show every day because without them this award wouldn't be possible."

For more information, please see below:
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Central Pharma set to buck the trend in pharma packaging with in-house recycle plant

Pharmaceutical blister packaging is the preferred method of storing pills and capsules, due to its excellent preservation qualities, tamper evidence, and ease of tracking medication dosage. However, they are a composite of PVC and aluminium, making them difficult to recycle, meaning billions of blister packs end up in UK landfill each year. Additionally, any remaining medicine in discarded packs has the potential to contaminate waterways and ultimately enter the food chain.

Pharmaceutical packaging's eradication from landfill remains a priority. Following a successful application for



a government grant, Central Pharma now has an in-house recycling plant that can recycle 100% of the blister pack material into a powder-based material that can be safely reused to create new blister packs.

This latest initiative from Central Pharma aligns with WRAP's 2025 Plastics Pact targets and provides

significant carbon emission and energy consumption benefits compared to production of blister packs from virgin material, while also removing billions of tonnes of PVC (plus discarded medicines) from landfill.

The service is currently being offered to pharmaceutical manufacturers and is due to be made available for public use in early 2022.

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www.centralpharma.com

STOP Kicking the Can!

When are you planning to reduce the plastic content in your packaging?

- Can it be verified as 100% plastic free - including micro plastics?
- Can it be completely and universally recycled?
- Can it completely bio-degrade?
- Can it compost completely - either at home or industrially?
- Can it still sell and deliver your products and be convenient?
- Can it be now - instead of 2024, 2025 or 2026?

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CARBON BALANCED PAPER

Bell introduces reused Ocean Plastic for 2022

One of the most exciting new developments in the plastic packaging industry is our ability to access and reprocess the post-consumer waste found on our beaches, riverbanks and along the perimeters of our oceans.

Unfortunately, plastic is now seen as a bad product

– yet out of sight, beneath the surface of our oceans, there are millions of tons of other waste packaging made from glass, paperboard and metal that do not float and therefore cannot be seen.

Plastic has become a key focus on social media and in television documentaries, with politicians and supermarkets looking for ways to enhance

their green credentials and promote a greener world.

There can be no excuse for rubbish being discarded into the environment and Bell are one of the first companies in Europe to endorse and support the collection and recycling of these materials.

In 2019, Bell launched Retran® – a polyester-based material containing a minimum 70% recycled content. The credentials of this material are very high – pharmaceutical and food grade, with excellent clarity and full certification. The product has been hugely successful and nearly 80% of our customers around the world have switched to this exciting new product.

Water Management



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- Optimizing CO₂- and water footprint




The 70% recycled content meets the new plastic packaging tax being introduced in April 2022, however Bell recognised the need to keep moving forward and in 2021 introduced Biojet®. In simple terms, this is Retran® with an additive that stimulates and accelerates the biodegrading process.

Whilst both of these products have been hugely successful, we recognised that even more needed to be done. Bell have worked throughout the pandemic, to identify reliable sources of plastic derived from the ocean. In simple terms this is 'Reused Ocean Plastic.'

The polymer used to produce the new packaging is being sourced from companies who organise local communities to collect plastic waste from beaches, riverbanks and ocean perimeters. Generally, these are communities who do not have the infrastructure for waste management but by paying local people to collect the plastic and deliver it to recycling facilities, the problem is reduced.

As we have all seen, there are large quantities of plastic waste floating in the sea. If we can help to collect and reuse some of this waste, and turn it back into useful products, then we are taking a significant step forward towards a better global environment.

The new material has been extensively tested and meets the minimum strength requirements of our processes. It has excellent optical qualities and our testing to date reports that there has been no difference in the performance of the new material, compared to Retran®, Jetran® or Biojet® packaging.

Bell Packaging have started converting Reused Ocean Plastic for our forming and insert divisions, with tubing and boxes to follow in 2022.

Samples and more information are available from our offices in Luton.

T +44 (0)1582 459292
 info@bellpackaging.com
 www.bellpackaging.com

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No-Dig Live Show Review – Top Exhibitors

No-Dig Live 2021

Not just another exhibition, No-Dig Live is also a live working environment and the only forum in the UK where manufacturers and suppliers can display and demonstrate products at an event, which is truly focused on trenchless technology.

Last year, No-Dig Live 2021 took place on the 14th September 2021 – 16th September 2021 at the East of England Arena & Events Centre in Peterborough. Offering outdoor and indoor demonstrations and seminars, the three-day event included presentations from key stakeholders in the trenchless industry and new innovative companies exhibiting for the first time. All exhibitors represented a worldwide perspective of trenchless technology and its global community.

The show included a number of new features to create engagement and add value to both exhibitors and visitors. Including additions such as Patrons Panel – an exciting opportunity for exhibitors and UKSTT members to present new ideas, the 1st European No-Dig Conference, and an introductory level masterclass for Pipe Jacking & Micro Tunnelling.

No-Dig Live 2022 will take place between the 13th and 15th of September at the East of England Showground.



No-Dig Live will once again be supported by the United Kingdom Society for Trenchless Technology (UKSTT) and feature their annual gala dinner and awards during the exhibition.

This is our pick of the best exhibitors from last years show, listed here in alphabetical order: Amiblu, Ditch Witch, IDEX UK, Impulse Radar, INROCK Drilling, Lanes Group plc & The ManUp Key.

For more information, please see below: www.nodiglive.co.uk

The UK's largest independent drainage and wastewater specialist

Lanes Group plc is the UK's largest independent drainage and wastewater specialist, with over 2,200 staff, and a turnover of over £215 million.

With 20 service depots, 11 utility hubs, a lining centre, two rail operations centres plus, launched in 2021, a new national CCTV survey processing centre, it is the largest independently owned drainage provider in the UK.

The company has expertise and experience across all key sectors, including water utilities, rail, highways, energy, government, construction, insurance and domestic. Services include drain and sewer unblocking, cleaning, repair, rehabilitation, and installation.

Lanes Group is Thames Water's sole wastewater network maintenance partner. It also delivers services for Yorkshire Water, Severn Trent, Scottish Water, Welsh Water, United Utilities, and Northumbrian Water.

The rail division operates contracts for Transport for London, including drainage, asset refurbishment, and facilities maintenance. It also works for Network Rail, Crossrail and HS2.



As a leader in 'no dig' solutions for safer sewer repair and maintenance, Lanes Group has a dedicated Sewer Renovation Division. This division provides the latest cured in place pipe (CIPP) lining technologies.

The company also delivers professional civil and structural engineering services and has a fast-expanding broadband civils division, called Lanes-I, which has achieved a £500m forward order book.

Lanes Group is the founder of Unblocktober, the first annual campaign of its kind in the world to encourage good practice in the use of sewers to prevent blockages and plastic pollution in waterways and oceans.

T 0800 526488
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www.lanesfordrains.co.uk

Let's value water as we should

Amiblu is the global leader in glass fibre reinforced plastics pipe systems (GRP). With over 60 years' experience, Amiblu produces and supplies customised solutions for sustainable water management worldwide with Flowtite and Hobas GRP pipe technologies.

Our business has developed manufacturing processes to offer a full range of compliant systems to relevant EN and ISO standards giving our customers the confidence to deliver sustainable solutions with long-term asset values.

Our mission is to speed up the world's transition to sustainable water solutions with environmentally sympathetic systems for sewage, drinking water, hydropower, water storage, relining and trenchless applications and is challenging an established market with the inherent corrosion-free characteristics together with high abrasion resistance synonymous to Amiblu's GRP pipes.

Trenchless technology is a growing global market for the installation of new, or replacement or rehabilitation of existing underground pipes and culverts with minimal disruption caused to the



environment or surrounding infrastructure; Amiblu provides a firm offering to the trenchless market in both pipe jacking and rehabilitation of existing networks be they circular or non-circular. Our GRP pipes are exceptionally strong, lightweight, and resistant to corrosion and abrasion, featuring optimal hydraulics and a remarkably long, maintenance-free design life exceeding 150 years.

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ImpulseRadar

ImpulseRadar is a Swedish company specialising in developing, manufacturing, and supplying high-quality Ground Penetrating Radar (GPR) solutions. Our modern GPR-based subsurface imaging technology provides mapping and geospatial solutions for underground infrastructure, cultural resources, and transportation infrastructure.

At ImpulseRadar, our mission is to help you 'see what lies beneath' and benefit society by developing modern GPR solutions to collect essential and valuable information efficiently and non-destructively about subsurface environments. Typical application areas include infrastructure, utility locating and mapping, archaeological and geological investigations, environmental studies, road and bridge inspections, and more.

We focus our efforts on applications and systems to make a clear difference in functionality, user-friendliness, and system performance. Your success is our goal, and that's why our customers contribute significantly to the development process, ensuring that features and functions have practical benefits that are proven to help you succeed.



ImpulseRadar is the fastest-growing GPR brand internationally. Our award-winning company performance reflects the commitment and professionalism of the ImpulseRadar team. We are also Triple-A (AAA) rated, reflecting our high creditworthiness and strong financial capacity to support our operations.

Contact us today to learn more and discover what others already have! We look forward to welcoming you as a member of the ImpulseRadar user community.

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www.impulseradargpr.com

iPEK's portfolio for a healthy living environment

Sewer systems are mission-critical infrastructure, preventing diseases and rain floods as well as ensuring safe water catchment basins. It is necessary that this infrastructure stays in good working order and properly maintained. The networks remain fully operational thanks to a sewer management process (cleaning, inspection, and rehabilitation) which is increasingly regulated. For the cleaning and inspection steps, iPEK's product portfolio enables the infrastructure owner (municipalities) a better utilisation of tight budgets and precious natural resources. Our ROVISION

product line covers a wide range of sewer inspections focusing on ease of use, productivity and market-leading total cost of ownership. With their lightweight, compact yet rugged design combined with software, apps and cloud applications, they support an efficient use of resources during the whole sewer inspection process. Our XPECTION products are the first of their kind in the cleaning market by providing a live high definition video stream during the jetting operation. The 'live-view' enables municipalities and contractors to save up to 50 litres of fuel and 28,000 litres of water



per system per day. With 30 years of lived customer obsession, there are now over 5,000 iPEK systems in daily use, making us the world's most trusted producer of sewer inspection equipment.

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The ManUp Key is an innovative tool capable of moving up to 95% of stuck and seized access covers. Thanks to this remarkable success rate, it can drive more efficient practice throughout any organisation that needs to access underground infrastructure.

With its unique slide-hammer action, the key allows all users to exert considerable temporary upward force on all types of access cover. It is this completely original and patented mechanism that makes the tool so incredibly effective: upward force is undoubtedly the best means of breaking seals, allowing operatives to move otherwise unmovable covers.



In order to ensure all organisations are able to leverage this exceptional tool, its creators have developed specialised tips for sectors including drainage, telecoms, pest control and more. Further

proof of their innovative approach can be seen in the brand's recent launches: the Listening Stick, and the ManUp Fire Hydrant Set, which was designed in conjunction with the UK Fire and Rescue Service.

Put simply, the ManUp Key is a cost-effective, timesaving device that will soon be a mainstay of professional toolboxes around the globe. In turn, it will transform thousands of organisations for the better.

For more information, please see: www.manupkey.uk or call: 01443 704706.



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Ditch Witch UK & Ireland



Ditch Witch UK & Ireland, have been supporting the trenchless industry for over 35 years and are proud to be a 4th Generation, family-owned company that supplies the market-leading Trenchless Equipment.

The star of the show at this year's No Dig Live was the AT32 All-Terrain Directional Drill, the latest addition to the Ditch Witch fleet, that's big on rock performance with a small footprint. These units have the

ability to bore through a wide variety of ground conditions, from dirt all the way to solid rock.

As the authorised supplier of American Augers for UK & Ireland, we showcased the DD-110 Directional Drill. Big on power, it helps to get the most productivity and reliability from your mid-size & maxi rigs, with minimum downtime.

Alongside our exciting range of equipment, we are proud to host the industry's first HDD VR Training Simulator by Ditch Witch. It takes training to the next level by allowing operators to familiarise themselves with



HDD equipment and experience a realistic jobsite without the potential risks of putting a novice operator in a complex environment. With Ditch Witch UK & Ireland you are fully supported by our trained engineers every step of the way.

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INROCK® is the HDD industry-recognised global leader in performance drilling tools, equipment and services with sales and operations facilities in the USA, UK and Canada.

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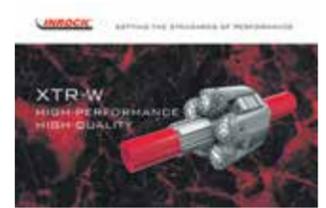
The experienced professionals at INROCK® are dedicated solely to the HDD industry, with a primary focus to utilise its technology and knowledge to help customers be successful. Some examples of INROCK®'s industry advancing developments include the design and launch of proprietary XTR® –



Extreme Reamer reaming platform, which is the only tool capable of utilising soft rock milled tooth (MT), XTR TCI and HDX premium hard rock cutters on the same reamer body.

Introduction of ParaTrack guidance technology greatly broadening the scope of feasible HDD projects with the advent of Intersect technology, Gyro, BTS-Beacon Tracking System, single wire and parallel tracking applications and at bit inclination.

Launch of CrossView®, the first electronic data recorder system (EDR) specifically designed for the HDD industry.



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Carbon positive Tusker well on its way to achieving a zero-emission fleet by 2030

Tusker.

In this issue of Sustainability Today, we are pleased to announce Tusker as our Sustainable Leasing Company of the Month for its recent success in becoming net-positive contributors to the environment, with a pledge to have a zero-emission fleet by 2030.

Over the last year, Tusker's services have made a difference to the 20,000 drivers it serves. It has overcome industry difficulties and risen to environmental challenges whilst delivering on its core task of helping people into new, affordable and clean vehicles.

"Tusker's journey with salary sacrifice started in 2009 when we championed the use of this method to lease cars and we have been committed to providing green car schemes that benefit everybody ever since. Whether an employee salary sacrifice car scheme or a more traditional company fleet, Tusker offers a full range of leasing services to companies of all sizes, including contract hire and daily rental," stated Paul Gilshan, Tusker CEO.

Sustainable choices are key to every business move for Tusker. Even its HQ, based in Croxley Green Business Park in Watford, was chosen because of its green credentials. "The site uses 100% renewable energy



Paul Gilshan, Tusker CEO

in the Philippines to mark its 11th year as a carbon neutral business.

Furthermore, for those new to EVs, Tusker has a highly qualified and knowledgeable team on hand to help customers better understand batteries, charging and range options ensuring they choose the perfect car for their needs. Paul explained the company comprehensive car package. "The monthly amount a driver has deducted from their salary includes insurance, road tax, replacement tyres, servicing and maintenance. We also include protections for the employer and the employee should the driver's circumstances change. This means that should the driver go on maternity or paternity leave, resign or get made redundant, there aren't any financial penalties for the driver or their employer – they simply hand the car back (as long as an initial exclusion period has been completed). We feel the scheme offers complete peace of mind for both parties when a driver signs up for a new car."

Tusker's sustainability profile marks a tremendous achievement for the company, one of which goes unrivalled in the leasing industry. As a proud carbon negative business, a member of

the EV100 and a founding partner of World EV Day in 2020, Tusker has actively helped some of the UK's major fleet owners significantly lower their fleet emissions such as Engie, British Airways and Astra Zeneca. "EDF has also seen over 500 Electric Vehicles

throughout, and we enjoy a robust recycling policy in the office, so no office waste has been to land fill since 2012. Everything is looked at, from providing EV charging points for employees to encouraging car sharing – it all helps, and we are proud to be a net positive contributor to the environment," said Paul.

Specialising in the provision of salary sacrifice car schemes for companies of all sizes, Tusker is a leasing company that has made a remarkable impact, providing benefits for employees across the UK, saving workers hundreds of pounds on average. Offering unrivalled individual benefits, Tusker is also the only company to offset tailpipe emissions using the Verified Carbon Standard offsetting project. This is offered for all non-EV or ultra-low emission vehicles. This ensures measurable carbon offsetting, recorded by internationally recognised bodies. A notable example for this was in 2020, Tusker offset 132 tonnes of CO₂ via a solar farm project



delivered to its employees in year one of introducing Tusker's salary sacrifice scheme," remarked Paul.

An 'outside the box' concept that offers an attractive outcome to every single employee regardless of income, Tusker's salary sacrifice scheme is available to employees of organisations who have the scheme in place. From SMEs to large multinational corporates, Tusker works with a variety of industries and sectors including hundreds of councils and NHS Trusts.

Tusker offer every type of car from high performance to small city cars, including the latest in electric vehicles and hybrids. The mark of a true innovator is its ability to revolutionise a generation to which Tusker has achieved. As the first to market salary sacrifice for cars, Tusker has always been and continues to be, the leading UK provider for car benefit schemes in the UK.

Having expanded substantially in the last five years, COVID-19 provided hurdles for Tusker as they moved their teams to working remotely but due to the commitment their teams have for providing exceptional customer service, they were still able to deliver their highest number of new vehicles in the company's

history. Tusker also managed to successfully on-board some major new fleets such as British Airways. A truly outstanding achievement amidst COVID-19, every single order was managed from the outset, through to delivery via a process of continual review of what could be done to secure the delivery for a driver.

"We had to adapt quickly during the first lockdown and rejig the way we worked. So many of our drivers are key workers in the NHS and in councils so we were led by a simple principle to keep all our drivers safe, secure and legal on the road ensuring they could get to work each day. With the slow-down in deliveries we had to swap or amend options and work closely with manufacturers and dealer groups to find alternatives. This took time, patience and understanding; to liaise with each driver and then utilise the strong partnerships we have with manufacturers," stated Paul.

A true example of Tusker's extraordinary customer service was the arrangement of a zero-cost loan of a fleet of electric Smart cars to keep a whole community nursing team mobile during a lockdown. "A big part of our job is sorting out complicated problems for customers and being here to make life easier and take the strain. We're driven by a straight forward belief that if we do good today, we can still always get better tomorrow. It means we are big believers in making our cars easier and more cost effective to run. Always putting customers at the heart of everything we do and going beyond the ordinary expectations to help the UK drive a better car," said Paul.

For more information, see below:
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