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July/August 2021 | Issue 69



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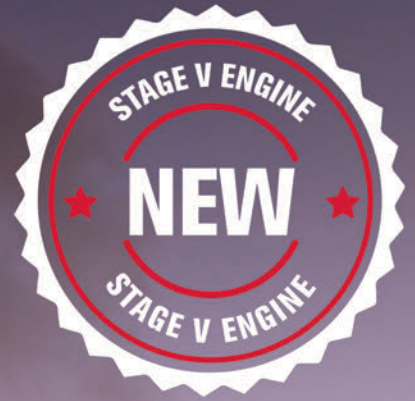
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Making the right choice with Terex Trucks



Articulated haulers are built to handle tough conditions, steep grades, and adverse weather. Scottish manufacturer Terex Trucks explains what to consider when choosing the right hauler for a project and how customers can improve the efficiency of their operations with Terex Trucks' latest product improvements.



Moving material is one of the most crucial parts of any job, whether it's road construction, residential or commercial building, bridge work or mining. As construction activity is currently picking up in the UK, many contractors are looking for new equipment. But how do you go about selecting the right articulated hauler for your project?

Choosing the right machine depends, of course, on the specific requirements – especially on application and working environment. "Knowing your jobsite and ground conditions is key," Kenny Price, regional sales manager for EMEA at Terex Trucks, explains. "Our articulated haulers are proven performers that efficiently move a variety of materials under the toughest conditions. They're a good fit for construction projects and for quarrying, mining, tunnelling applications as well as earthmoving, material handling and waste handling."

Terex Trucks builds articulated haulers that are trusted by customers to deliver powerful performance in all conditions. After all, the Motherwell-based manufacturer has over 70 years' experience in making robust, reliable, and tough haulers. Its two models, the TA300 and TA400, provide lots of pulling power for efficient operation at all times.

How to move materials faster

Naturally, operators are looking for high levels of efficiency in a machine, with fuel economy playing a particularly important role. That's why Terex Trucks has made significant improvements to reduce the fuel consumption of its heavy-duty machines. Earlier this year, Terex Trucks launched its EU Stage V emission compliant TA300 and TA400 haulers, which now boast a reduction of up to 7% in fuel consumption when compared to the Stage IV engine.

Equipped with the new Stage V engine, the TA300 and TA400 now also offer even faster response at all engine speeds and efficient combustion performance. An effective power-to-weight ratio ensures material is moved as quickly as possible in all conditions. Ultimately, this means customers can achieve faster cycle times, reduce the cost of operation per tonne and improve the impact of their operation on the environment.



Another aspect to consider when choosing a hauler is the required payload, which is determined by the material that is to be transported as well as the size of the project. With a payload of 38 tonnes (41.9 tons), the TA400 is the largest articulated hauler in the Terex Trucks range and boasts a heaped capacity of 23.0 m³ (30.3 yd³) and is powered by a fuel-efficient Scania DC13 engine that develops gross power of 331 kW (444 hp) and a maximum torque of 2,255 Nm (1,663 lbf ft). The TA300 has a heaped capacity of 17.5 m³ (22.9 yd³) and a 28 tonne (30.9 ton) payload. Its Scania DC9 engine achieves a maximum torque of 1,880 Nm and a gross power of 276 kW.

Safe operations on challenging terrain

The ideal hauler for off-road jobs comes with great traction. As haul roads often have steep inclines and can be muddy or slippery, good traction capability ensures operational safety as well as efficient work shifts. With all three axles in permanent all-wheel drive, Terex Trucks haulers handle challenging terrain with ease. To reduce wear and tear on the braking system, the TA300 and TA400's retarder system combines a modulating transmission retarder with an efficient exhaust brake and fully-enclosed oil-cooled multidisc brakes on all six wheels. For



operators, this adds a level of confidence, as the machines offer optimum control as well as stability, allowing drivers to haul safely even in the most adverse conditions.

When operating on confined job sites, drivers will also appreciate the high levels of flexibility Terex Trucks' articulated haulers offer. Their versatility and improved manoeuvrability allow operators to navigate tighter working conditions with small turning radii.

Real-time information for faster decision-making

To optimise operations, customers should also consider how using connected services can help them to ensure their machines deliver consistently high productivity levels. Telematics systems, such as Terex Trucks' Haul Track, allow operators to track and manage their machine's performance. By monitoring speeds, dump counts and load cycles of their haulers, customers can improve productivity levels and plan ahead. Haul Track also allows operators to easily assess the condition of their haulers and plan maintenance more efficiently.

With access to on-board diagnostics, real-time data and operational feedback, customers can make qualified, on-the-job decisions faster – reducing the possibility of downtime. The TA400's transmission also provides 'prognostics' in real time, which helps to identify faults and damage ahead of time, reducing costs and increasing uptime as well as maximising productivity of the machines.

Comfort matters, too

Another detail to look out for is operator comfort. "Customers want safety and comfort for their drivers," Kenny says.

"Operators can spend up to eight hours in the machine each day, and usually the terrain they're operating on isn't the best. That's why a comfortable cab is important and can help operators to stay focused on the job, resulting in faster cycle times."

Terex Trucks' spacious ROPS/FOPS compliant cab has been designed with pressurised properties, helping to avoid fatigue. The ergonomic layout of controls and instrumentation make the cab a pleasant work environment, which is also supported by a fast, responsive HVAC system that keeps the temperature inside the cab at a comfortable level.



To improve handling and ensure a smooth ride, Terex Trucks haulers are equipped with a suspension system and cushioned steering cylinders. The TA300 comes with a true independent front suspension as standard for ultimate comfort on the roughest terrain.

When it comes to maintenance, simplicity counts

Finally, operators should consider the ease with which maintenance checks can be carried out. Service interventions should be quick to keep the machine working and earning. Terex Trucks haulers are designed to keep both service time and costs to a minimum. Ground level test points and a fully tilting cab ensure easy access, and technicians can comfortably reach all engine service points thanks to an electronically raised hood.

To extend the time between routine maintenance and reduce operating costs, Terex Trucks has extended the TA400's transmission service interval to 6,000 hours, thanks to high-performance oil. The TA300 boasts an extended transmission

service interval of 4,000 hours. The haulers are equipped with magnetic suction filters, which prevents contaminants from entering the hydraulic system. As a result, the hydraulic oil stays cleaner, and combined with a hydraulic oil service of 4,000 hours, customers benefit from maximum uptime, extended periods between maintenance as well as prolonged hydraulic component lifecycles.

Trusted partner

"Efficiency, performance and low cost of ownership play a crucial role when operators select a machine," Kenny concludes. "Built to deliver high performance our customers can rely on, our Terex Trucks haulers are an ideal partner for contractors to complete any upcoming projects efficiently and on schedule. This way, we will play an important role in boosting customers' productivity and do our part in supporting the industry's recovery after a challenging 2020."



Disparate Dan

Daniel Ashville Louisy is a man of many parts: Self-made businessman and self-confessed risk taker, fitness enthusiast, plant operator, truck driver and, most recently, social media star.

Louisy is founder and group managing director of Construction, waste management and aggregates business the Ashville Group of Companies and has amassed a huge following. More than 265,000 subscribers to his YouTube channel and 95,000 followers on his Instagram account check in regularly to watch his adventures as he documents the highs and lows of his business, all punctuated throughout with large doses of good humour.

Describing himself as 'captain of industry and maverick', Louisy's easy-going manner and entertaining videos are combined with a sharp business brain that has seen his London-based property development operation expand into tipper, grab, and skip hire, muckaway services and bulk haulage.



As a youngster, he had always shown interest in construction, more specifically plant, although his early career concentrated on sports science before going on to work with a variety of sports organisations as a strength and conditioning coach. However, construction continued calling and in 2006 he set up Ashville Inc. to undertake development projects across the capital, quickly gaining a reputation for quality work. Ashville Aggregates and Ashville Concrete were later added to the mix.

While working on a development job in 2013, Daniel took a decision that would be the small beginning of a big fleet. "It was on one of our basement build projects and a grab supplier said they couldn't get us a wagon, so I went out and bought one," he recalled. "Time is money, and I couldn't afford to be waiting. That led to us investing in skip wagons and it's gone on from there." The fleet now numbers 35 tippers, skip trucks, grab wagons, artics and concrete mixers and pumps that service Ashville's own developments as well as the needs of other companies (and he still has that original 2009 DAF grab vehicle from 2013).

Another major decision followed in 2019 when Ashville established a dedicated railhead at its HQ in West Drayton, a deal that made it the nearest railhead capable of supplying massive infrastructure projects such as the Heathrow Airport expansion and the HS2 rail scheme. It also enabled the business to import, on its own terms, aggregates from around the UK.

Trains normally deliver stone five days a week, each train bringing in up to 1,600 tonnes of material which is unloaded and delivered across the region by the company's tippers. Just one trainload can eliminate 80 lorry movements and dramatically reduce Ashville's carbon impact.

To help shift the huge volumes of material at West Drayton, Daniel has invested in a fleet of Liebherr equipment. "We ran machines from another brand previously, but we had a nightmare with aftersales; there was very little in the way of support.

"When we started speaking to the people at Liebherr, we saw they were all technically competent. I could go to the warehouse, I could go to the workshop, I could see exactly what they had. When I spoke to them on the phone, they were quick to react, and the machines are great. The decision was really made for me."

The Liebherr line-up now includes a pair of L 586 wheeled loaders, an R 926 excavator, and a 60-tonne LH 60 material handler, the biggest in the fleet. The R 926 handles much of the incoming materials from the tipper and skip fleet while the others are employed mainly in the aggregates part of the business.

At the railhead, vehicle access to the stockpiles is halfway across the train line, presenting logistics difficulties that need to be worked around. The team has to despatch as many trucks as possible before a train arrives at around 9.30 each morning. With that completed and the train in the sidings, GB Railfreight staff divide the train into two sections, drawing out the front section and allowing access to the yard for a short time. An operator then unloads the final three wagons on the front section before the train shunts backwards and closes the access again.

Perched in his machine atop a pile of stone tipped over the preceding couple of days, the operator has a clear view into the wagons, thanks to the elevated cab and a dipper-mounted camera. While the bulk of each wagon can be emptied easily, skill is required to tease out any remaining pieces of stone using the flat cutting edges of a Prodem grab.



Because the train blocks the access, trucks are unable to drive into the yard so one of the two L 586 XPower loaders has to move some of the deposited stone to the far side of the stockpile and then, shuttling back and forth, make additional space to drop more material.

Elsewhere, the LH 60 handler sits on a stable undercarriage around six metres long by five metres wide. A sliding cab door allows easy access to the cab from which the operator enjoys the power provided by an 8-litre, 4-cylinder Liebherr diesel delivering 258hp. The material handling equipment of 8.5m curved boom and short dipper carries the 3m³ clamshell grab with ease.

Operators at Ashville are big fans of the Liebherr cab having spent many hours on competing manufacturers' machines doing similar work. "It's a really comfortable place to work. You've got great visibility all around, plus the numerous camera systems covering the blind spots make it relaxing to drive," said Daniel. "We're pushed all the time to unload the material as quickly but as safely as possible and as long as I level the material off around me, I can track the machine anywhere and it will be stable. It's really impressive."

Unlike the experience with his previous machine supplier, Daniel is impressed with the servicing and back-up from Liebherr. "We had an issue one Saturday morning with both wheeled loaders," he recalled. "I couldn't fault the way that Biggleswade responded to our phone call. We called about 8.30 in the morning and both loaders were back up and running by 1pm. If Liebherr couldn't have solved the issue, we wouldn't have been able to unload the train and that would have cost us big time."



DANIEL ON...

Being a sociable chap. "I started with social media when my friend Yianni at Yiannimize [supercar customiser for Premier League footballers and other celebrities] encouraged me to share with the world what I did on a daily basis. For a very long time I did not want to do it as it is something that is often frowned upon in the industry but once I started and received good feedback, I never looked back."

Juggling business and video making. "It is very difficult. I do enjoy it, but it means I never have a day off. We have recently started to work with a new system which means there is a week's delay until our show, 'Ashville Weekly' is released. It means I will have more time to at least get one good night's sleep a week."

Business benefits. "It has definitely raised awareness of the business and helped our website rankings. Small to medium businesses are very enthusiastic about using Ashville and larger corporations with a more corporate structure are beginning to show interest."

Viewer and customer feedback. "Viewers say a mix of things - inspirational, educational, a breath of fresh air and it's part of their Sunday."



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Welcome to issue 69

Welcome to issue 68 which includes a focus on Mobile Quarrying, Recycling & Earthmoving Equipment.

As we are now 7 months into 2021 I would like to confirm the HUB-4 magazine (free subscription to industry operatives) will continue to bring you all the latest news which can also be read on-line here: <https://hub-4.com/magazines>

Equally important is our free weekly e-newsletter which is distributed to our readers and is presented on-line here: <https://hub-4.com/pages/newsletter>

If you're looking at marketing in the second half of the year then our new media file with feature list can also be found here, either PDF download or page flip version: <https://hub-4.com/pages/advertise-with-us>

We have also introduced a brand-new section on the website for 2021 – **New Product Features.**

This is on the home page of our website and is dedicated to new equipment launches and is also included in our weekly e-newsletter. It is a great platform for your launch and includes bookable time slots so you can maximise on your launch.

Our increasingly popular social media packages are also available across all our Twitter, Facebook & LinkedIn pages all of which can be linked with electronic web and e-newsletter advertising – why not enquire about our extremely competitive packages.

Onwards into 2021:

With exhibitions in September with the RWM, Lets Recycle and the Complete Auto Recycling show and with several company open days the next few months look busier!

Also of great interest will be our September/October edition which will focus on MRF's and associated equipment which will coincide with UK Recycle Week. Last year's edition was very well supported by the major OEM's so worth considering your inclusion with an editorial/advertising package within the feature.

John Edwards
Editor

September/October 21

MRF'S & RECYCLING PLANT - MRFs, Shredders, Balers, Metals Recycling, IBA plants, biomass plants, autoclaves, picking stations, hoppers, conveyors, magnetic separation, eddy current separators, air separation, optical & robotic separation, forklifts & telehandlers, compactors, crushers, screens, spare parts, material handlers, bulk storage bays, weighbridges, belt weighing, dust suppression, wear parts, wind shifters.



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Pronar opens its own exhibition centre in Siemiatycze



Pronar has opened its own Exhibition Center in Siemiatycze (Poland). On the area of 10 hectares and in two halls, the company presents every recycling, agricultural and municipal machine

produced currently in Pronar's 8 factories. Everyone interested in Pronar products in this modern center can not only see them, but also experience them during work.

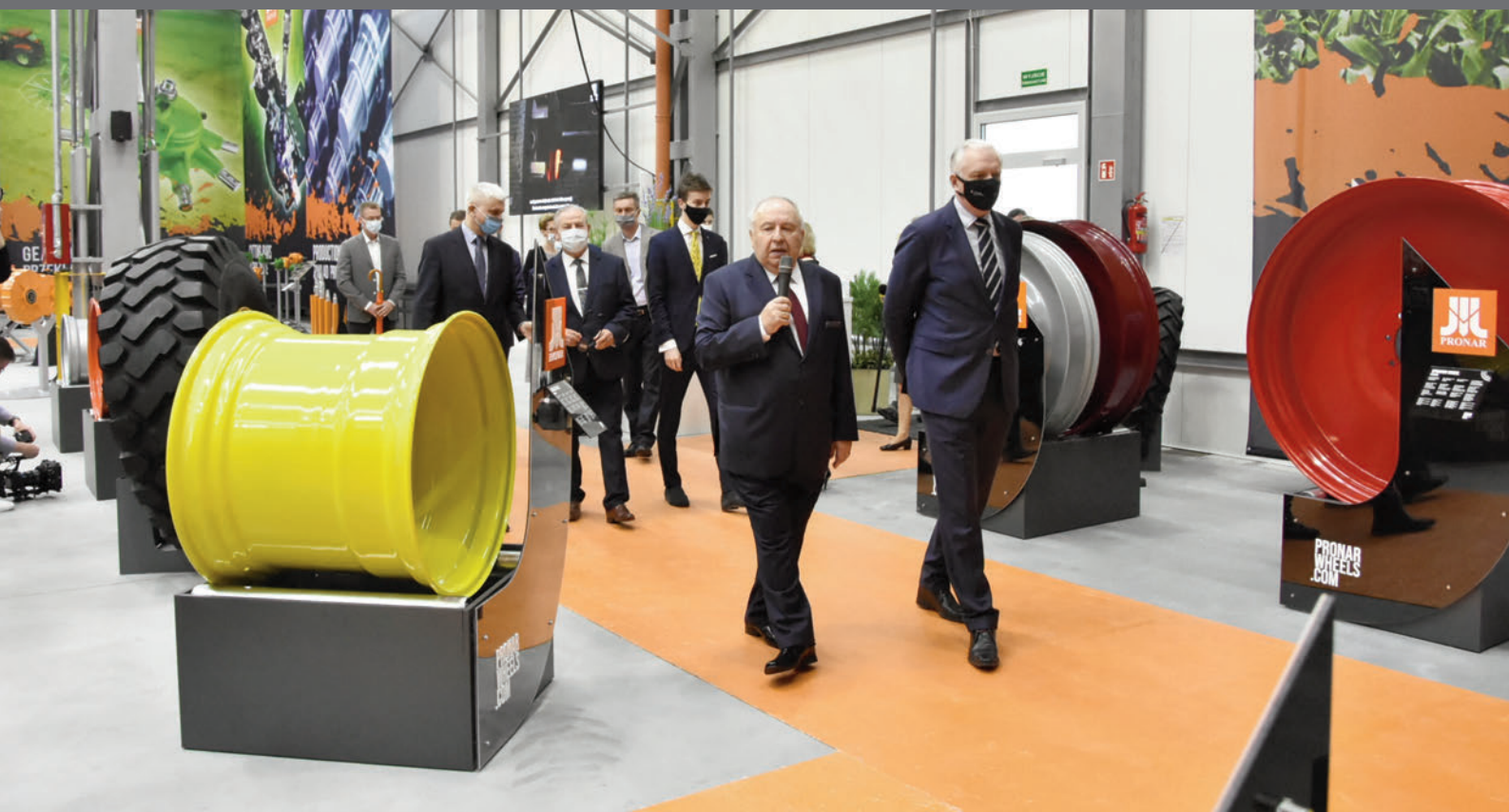
The symbolic opening of the exhibition center was made by Deputy Prime Minister Jarosław Gowin, Marshal Artur Kosicki, Voivode Bogdan Paszkowski and the host of the ceremony – President of Pronar Sergiusz Martyniuk, who during his speech introduced the guests to the innovation of the idea behind the creation of such a modern investment.

The PRONAR Exhibition Center consists of two parts. The first is a 10-hectare area with over 100 machines. The second one – two halls dedicated to technology and components. Outside area has been divided into sectors corresponding to the company's product families: from modern recycling machines (shredders, screens, conveyors, compost turner, channel baling



press), through over 130 models of trailers of various designs and purposes, agricultural and municipal machines. Each visitor can get to know the machine thoroughly and then make a decision about buying it.

In two halls there is a permanent exhibition devoted to the key components of machines manufactured by Pronar. Most of the space is reserved to the presentation of the most crucial elements of recycling machines. It shows all types of shafts and breaker beams for shredders, sieves for trommel screens (including the star screen) as well as a vibrating screen and shaft for a compost turner. The section is divided into sectors depending on the type of material processed – wood, green waste, municipal waste, scrap, construction & demolition waste, gravel, coal, soil and rubble. In such a system, each visitor is able to quickly find a suitable solution and adjust the machines and working elements depending on the material they are processing.





Inside the hall there is a special premiere zone, where official presentations of new machines will be organized. Currently, there is a Pronar MPB 20.55gh trommel screen on a hydraulically leveled frame, painted in a premiere, golden color.

The stationary solutions section also has its place in the exhibition center. It is there that an impressive model of stationary lines for the processing of mixed and selectively collected waste is located. It is supplemented by one of the conveyors designed and manufactured by Pronar – typical for this type of line.

The further part of the hall is an exhibition devoted to municipal and agricultural machines, trailers, as well as a demonstration of Pronar's production power in terms of key machine elements, such as pneumatics and hydraulics, which the company produces not only for its own solutions (e.g. trailers), but also exports to many countries. Separate exhibitions also have sections responsible for the production of steel side profiles (Pronar supplies nearly 90% of the Polish market), plastic elements, axles, gears and track drives (also used in Pronar recycling machines).



The second, smaller hall is entirely devoted to disk wheels used in tractors, combine harvesters, municipal machines and other slow-moving machines. Here you can see the cross-section of the manufactured rims – from 10 inches in diameter to sizes exceeding 50 inches. Pronar, thanks to recent investments, is now the second largest manufacturer of this type of wheels in the world.

In the near future, the Pronar's exhibition center will be enriched with a unique element – a testing ground. This is where dynamic demonstrations of equipment dedicated to the waste industry will take place. Customers will be able to see Pronar machines during work with various types of material: organic waste, wood, biomass, paper, plastics or bulky waste. The training ground is a unique solution in Europe, and apart from the interest of potential buyers, it will also be used to conduct training in operation, servicing and optimal use of machines.

The exhibition center is now open to anyone interested. Visits should be coordinated with representatives of Pronar.



Traffic Management Onsite - What you need to know!



According to figures from the HSE, each year around 7 operatives die due to a result of incidents involving vehicles and moving mobile plant on workplace sites.

These incidents can and should be prevented by effective and careful management onsite; inadequate planning is the root cause of many of these accidents so what do we need to consider to maintain a safe working environment?



Pedestrians Vs Vehicles

Routes should be planned ahead for people entering and exiting the site. Pedestrians and vehicles should have separate entrance and exit ways wherever possible. These routes must be suitable for the type and weight of the vehicle to minimise the amount of time they are manoeuvring around site. The route should incorporate pedestrian crossings in areas where machinery and pedestrians may merge making use of barriers, separating walkways and roadways. Minimise vehicle movement as much as possible; this could include dedicated parking areas away from busy areas on site and storage areas for deliveries so they do not need to cross the site.

Vehicle Movement and Visibility

Vehicles, specifically mobile plant should avoid reversing where possible. A turning circle is a safer way to return from those tighter spots (if vehicles are working in areas where they will need to reverse; this must be considered in the traffic management plan).

For larger and more complex sites, plant marshallers and banksman should be employed to control these manoeuvres around site.

It is also important to ensure the site is fully lit, especially if the site is running night-time or 24-hour operations. Workers must always wear high-vis clothing to emphasise their presence as much as possible and ensure aids on the vehicles are all working correctly. These include mirrors, cameras, reversing alarms etc.

Signs, Instructions and Training

Each site will run its own routes and traffic rules. All drivers and pedestrians must be aware of these rules before entering site; this should be reinforced by standard road signs around site where possible.

Site inductions should be completed on operational sites and regular training for drivers and workers allows everyone to keep up-to-date and fully understand the most current rules.

There are many other considerations when working around mobile plant equipment. It is important to always be vigilant and to understand how accidents are caused and how to prevent this. For more information on equipment training onsite or to talk to our team about vehicle banksman training, contact us today – 01246 386900.



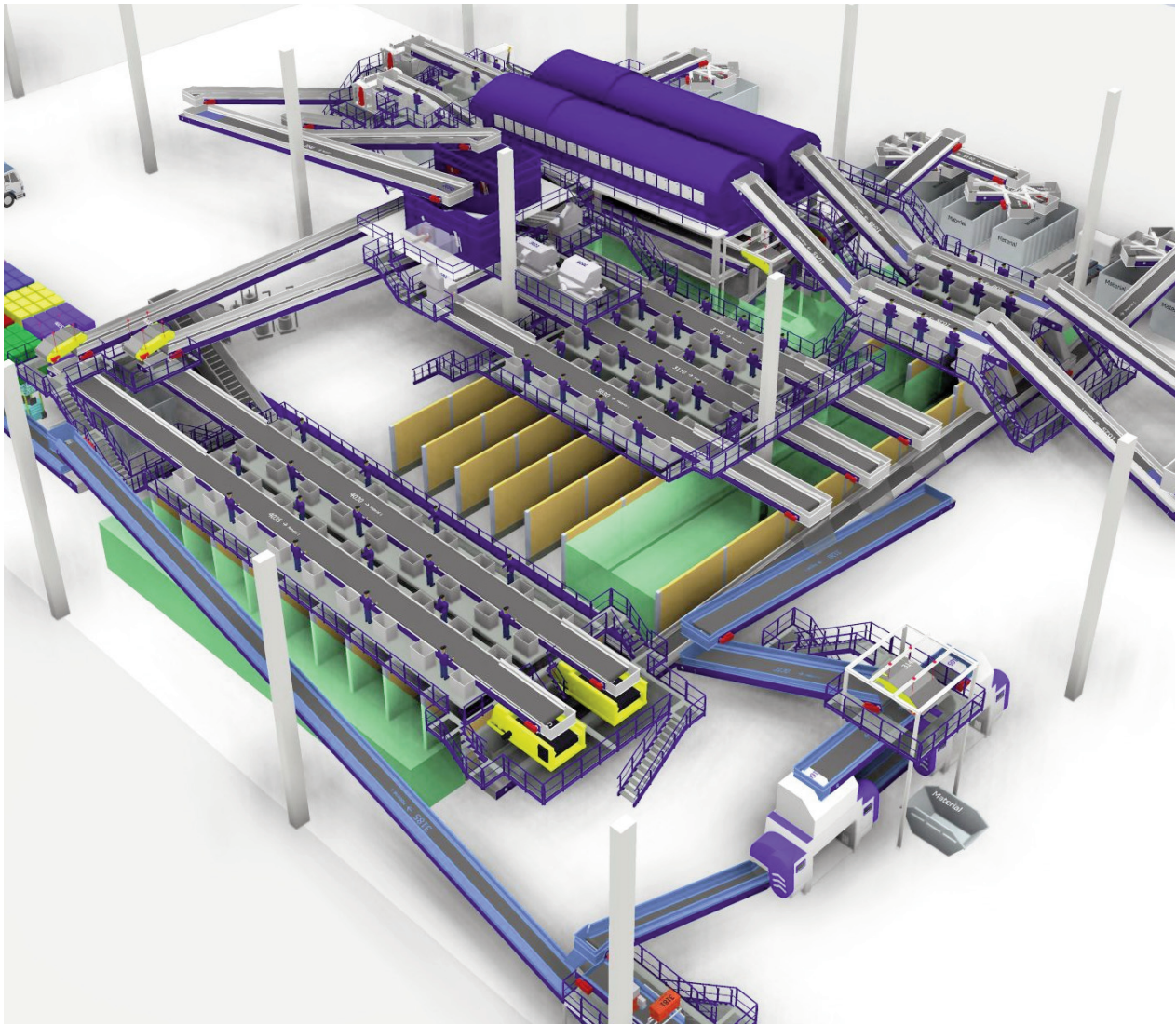
General Kinematics selects new UK & Ireland distribution partner - Red Knight 6 Ltd

General Kinematics, the world-leading supplier of vibrating and rotary equipment and solutions for bulk processing of materials, has selected London-based Red Knight 6 Ltd (RK6) as their new UK and Ireland distribution partner, with immediate effect.

RK6's success with their existing partners, primarily in the C&D and waste processing sectors, gave General Kinematics (GK) confidence that RK6 was the perfect partner. As a result, the full GK range of equipment will be made available throughout the UK & Ireland markets, comprising end-users and OEM manufacturers. In addition, the agreement will allow the RK6 team to work alongside the UK-based GK team to generate sales opportunities for their range of vibrating conveyors, feeders, screens, and density separators.

"GK is a worldwide business, with over 60 years' experience, and we've been underrepresented in the UK & Ireland for some time," said Davide Gado, Managing Director, EMEA, GK. "We've opted to work with RK6 because of their extensive experience, knowledge, and capability in our industry. It is time to elevate GK in the UK & Ireland once more."

"I'm genuinely excited by the opportunity working with GK gives us. I have used some of the GK equipment in my past. However, in our recent discussions, I quickly realized the full range of capabilities and routes to market had not been fully available to the marketplace. In addition, GK's product quality is second to none and maintains our ethos of only working with market-leading partners. We all know businesses involved in the transfer and processing of materials, whether C&D waste, wood, metal, IBA, & even food, and they are businesses that can benefit from the brilliance of the GK product range," said Paul Donnelly, Managing Director of RK6.



STADLER signs agreement with Orizon Valorização de Resíduos for the construction of the largest mechanical sorting plant in Brazil

With an eye to the future, STADLER recently signed an agreement with Orizon Valorização de Resíduos to build the largest mechanical sorting plant in Brazil. The agreement is of particular importance and aims to ensure the processing of 500,000 tonnes of solid waste per year, in a country where the potential for recycling is growing.

Altshausen, 5 July, 2021 – The agreement represents a technological breakthrough in the operations of the Jaboatão dos Guararapes Ecopark in Pernambuco, northeast Brazil, which will allow a greater reuse of recyclable waste. In 2020, the plant received 1.5 million tonnes, equivalent to the waste generated by 3.7 million people.

"The agreement also sets an example of the management and use of technology for the sector," explains Alexandre Citvaras, director of Business Development at Orizon Valorização de Resíduos.

This will be the largest mechanical sorting plant ever built in the Brazilian market. STADLER has designed and implemented the entire project with two overarching objectives: to modernise and to strengthen Orizon's plant for the sorting process and select the recoverable products with highest value to serve increasingly demanding domestic and international markets.

Alexandre Citvaras explains: "our biggest challenge has been to design a sorting process with proven technology that increases the efficiency of the waste treatment at the Jaboatão dos Guararapes Ecopark. With this machinery, we will achieve a sorting efficiency ranging from 75% to 85% of the economically viable recyclable material. It is a breakthrough in our operations, which have gained in productivity and will play a key environmental role by returning materials to the production chain, helping to move us towards a true circular economy."

Orizon Valorização de Resíduos had no doubts when it came to the choice: "We believe that STADLER manufactures machinery with the quality and robustness required to process the type of solid waste that the ecopark receives, and which, at the same time, keeps the quality control with manual sorting. At the new sorting plant, 150 people will be employed, who will carry out this work in the project, which will start its operation in 2022. This is why we needed a project that combines the two models," explains the Orizon manager.

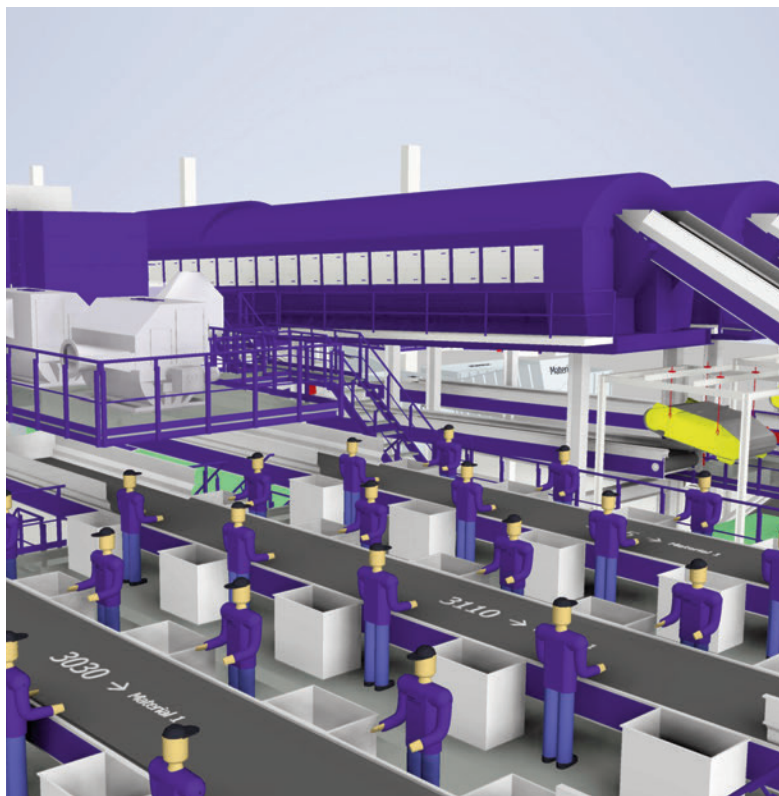
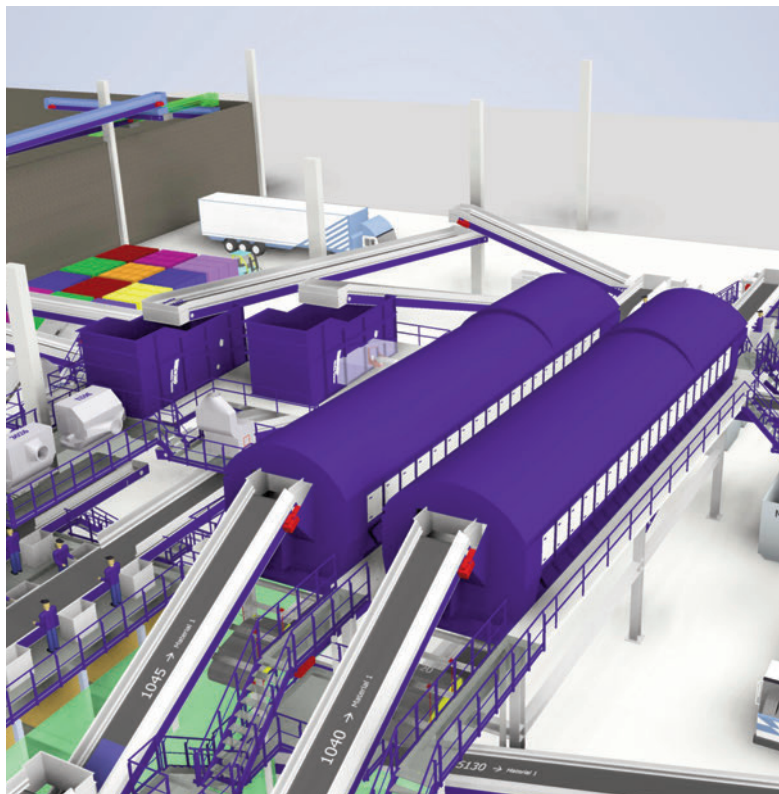
A very ambitious project for the Brazilian market

Henrique Filgueiras, STADLER's sales representative in Brazil, explained that this agreement is "extremely important". It strengthens further our relationship with a customer that we have known and worked with for more than 7 years – a company that has a lot of potential here in Brazil. In addition, it is a plant with a high capacity for processing MSW – the highest in Latin America – and a project on this scale strengthens our reputation as specialists in this type of plant in Brazil. The agreement gives us the opportunity to do a good job in another project and gain even more experience in Brazil."

This plant has been designed to process a large volume of material with initial separation of the coarse and heavy fraction through mechanical sorting and final separation of the fines by hand. In addition, the plant layout already envisages the possibility of extending the line to increase its capacity, as well as increasing the automation of its processes.

Orizon Valorização de Resíduos operates 5 ecoparks in Brazil, and its waste management and processing facilities receive approximately 4.6 million tonnes of waste per year, serving approximately 20 million people and more than 500 business customers. Because of the efficiency and prominence of the new plant, the project will be replicated in the future in the rest of the company's facilities throughout the country.

The Brazilian market has very specific characteristics, detailed analysis of the individual cases is needed before presenting a solution to customers. According to André Galuppo, project supervisor at STADLER LATAM, "STADLER always seeks to develop products, methodologies and ideas that are specific to the Brazilian reality. We don't "copy and paste" projects from Europe. The objective is to develop projects, studies and work focused on Brazilian waste and business model. This technical and intellectual development will be used in Brazil and for Brazil, benefiting the entire market."



Sergio Manchado Atienza, STADLER's Director of Latin American Operations, underlines that "we have been investing in STADLER do Brasil Ltda. for more than 8 years to provide local support that can be relied on, creating a full team to help develop the market in a country as important as Brazil, and with many resources necessary for the evolution of the circular economy. We are very proud of the work and development of our Brazilian subsidiary."



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EvoQuip holds the key for Charlie

Flexibility and productivity were key influencers behind the decision by Windsor based firm, C. Doyle Plant Hire and Construction, to upgrade its fleet with a new EvoQuip Bison 120 jaw crusher from the crushing and screening experts at Molson Finlay...

The company has taken a new jaw crusher and excavator under a double deal that will see it utilising the very latest technology from world leading manufacturers, Kobelco and Terex EvoQuip.

C. Doyle is a longstanding customer of Molson and offers services including grab hire, as well as recycled aggregate sales and plant hire. Director, Charlie Doyle, was looking for a jaw crusher that had the capability of processing the volumes he required at the company's centre in Berkshire, but that also had the flexibility of being easily transported out to hire customers, should there be any downtime in it processing the firm's own arisings.

Ideally, he needed a machine with the ability to process a mixture of input stock – asphalt arisings, reinforced concrete, bricks and blocks – and yet one that could be packed onto a low loader, transported to a new site and be ready to go with minimal set up time once it arrives at its new location.

Charlie also needed an excavator that was more than capable of keeping up with the loading rate of the jaw loader as well as being versatile enough for the company's hire fleet.

By working closely with the C. Doyle team to pinpoint their exact requirements, Molson Sales Manager, Tristan Dorey, was able to suggest that the combination of the EvoQuip Bison 120 Jaw Crusher and Kobelco SK130LC-11 crawler excavator would make the perfect duo.

The Bison 120 boasts an operating output of up to 80 tonnes per hour, more than enough for it to handle most applications, and weighing in at just 12 tonnes with a transport length of just 5,580mm it is easily loaded onto a standard trailer for movement from site to site – making it the perfect machine for ad-hoc rental potential during down-time.

It features a hydraulically driven adjustable jaw with a 680 x 400mm jaw inlet and a closed size setting (CSS) range of 20-80mm. The jaw offers the customer the ability to reverse the crusher to clear a blockage as well as being able to run in reverse permanently – ideal for sticky applications such as asphalt. A 2.m3 hopper and an auto-regulating feeder helps keep the feed at the optimum speed for the crusher which discharges from the 800mm wide conveyor at a height of 1.9m. The machine itself is powered by a Tier 4f complaint 70Hp Isuzu engine and can be operated by remote control, enabling a fast and simple set-up for the customer and the ability to be fully controlled, including jaw setting, from the cab of a partner machine. Not only does this deliver a manpower saving but also enhances work safety during operation by negating the need for a separate crusher operator to be alongside the machine.



The popular Kobelco SK130 crawler is similarly ideally suited to the C. Doyle operation. With its fuel -sipping performance, industry leading reliability, all round versatility and operator comfort the excavator, backed by the world beating Molson customer support, is perfect for the levels of output that the C. Doyle team required. Powered by a Stage 5 compliant Isuzu 4JJ1XDDV A01 78.5 kW engine, the SK130 boasts a 2,190mm swing radius, a bucket capacity of 0.5m3, a bucket digging force of 105.4kN and a maximum reach of 8.78m.

All of these attributes made the EvoQuip Bison 120 and the Kobelco SK130 the perfect machine duo for the C. Doyle team, and all small-medium sized operators.

Charlie Doyle, Director at C. Doyle said, "We have a constant flow of material that needs to be processed but space is as a premium at our yard. We wanted a crusher that is compact enough be out of the way when not being used, but still capable of the necessary throughput during busy periods. In order to be hired out,



it also needed to be capable of being easy to transport to other sites and quick to set up once there. We have worked with Tristan and the rest of the team at Molson for many years and always had great service and superb back up support from them."

Tristan Dorey, Molson Sales Manager said, "Charlie has been a Molson customer for many years now and I know just how important it is that we get the right machine for his requirements. Both the Kobelco SK130 and EvoQuip Bison 120 are the ideal fit for his business, and I am sure they will prove to be valuable additions."



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Miller's new GT Series of quick couplers are set to herald a new era



Miller's new GT Series of quick couplers are set to herald a new era of unrivalled power and cutting-edge intelligent coupler technology for excavators increasing job site safety, machine versatility and productivity.

With a strong heritage in designing the safest most dynamic quick couplers that offer the latest in attachment technology, Miller's next generation of GT hydraulic quick couplers are the safest coupler that Miller UK has ever made.

GT Series (frames and components) have undergone the most extreme multi cycle testing on all components. The whole unit is built and tested to twice the strength of the machine it is designed for to provide increased durability. That's why Miller are offering an Industry leading 3-year warranty for great piece of mind for their customers.

More often than not, users will look at specifying a coupler thinking that all quick couplers share the same properties. Miller Coupler technology has developed to meet the needs of all types of working conditions, driven by the requirements of contractors to carry out work efficiently without compromising on safety or economy. The right coupler should complement and enhance the machine and make each task as smooth and efficient as possible, saving contractor's fuel, time and money. Put simply, specifying the wrong coupler will cost more in the long run.

It's the ability to explore inspiring, complex curved geometrical cast frames which has allowed Miller design engineers the ability to add strength where needed and remove excess weight where not required, offers an exciting level of design flexibility when compared to traditional fabricated couplers. The tough, ductile nature of castings therefore lends themselves to designs where longer working life and improved performance across all work environments are an advantage.

The brand-new Miller GTS coupler range is the lowest, lightest and safest quick coupler on the marketplace offering 1T -6T excavators a wide range of pick-ups for any attachment within the same class all from the comfort and security of the cab.

Easy to operate and far lighter and stronger than any other quick coupler, with its new low-profile design delivering a



shorter pin to point measurement which delivers maximum breakout force for greater machine productivity and efficiency. All housed in an innovative cast design using extra high strength steel to increase strength whilst optimising weight to enhance performance while reducing fuel consumption.

The Miller GTX coupler range boasts a new era of unrivalled power and cutting-edge intelligent coupler technology for heavy excavators increasing job site safety, machine versatility and productivity.

One of the biggest differences loyal Miller customers will see with the new GTX over their current PowerLatch is that the internal component systems have been reduced from seven to just four replaceable parts, removing items such as our blocking bars, magnets and leaf springs.

The internal components of the new GTX consist of an innovative ISO Cylinder, a ROSTA tensioned front latch hi vis locking system and actuator and finally a hardened steel full cast rear hook.

The simple yet effective design encompasses significantly fewer components than before, reducing service intervals and keeping repair and maintenance costs down. This in turn delivers increased productivity and working uptime.

A Miller GTX quick coupler is an investment that adds convenience and flexibility to a fleet in just about every application.

Mead Construction purchases first Doosan excavator



Mead Construction, based in Swaffham Prior in Cambridgeshire in the UK, has purchased the company's first Doosan crawler excavator, a new DX300LC-7 30 tonne Stage V model, from Pioneer Plant Ltd, the local Authorised Doosan Dealer.

Having initially been founded as a housing company, Mead Construction is a family-owned business that has evolved into a fully-fledged construction, haulage, plant hire and building materials specialist covering Cambridgeshire, Suffolk and Hertfordshire.

Diversity is a Great Strength

This diversity is one of the many strengths of Mead Construction and the new DX300LC-7 excavator is working at the company's latest investment in a new chalk quarry at Great Wilbraham, where the company is looking to produce agricultural lime for local farmers.

Phil Mead, Plant Hire Director, said: "We have reserves of up to a million tonne of chalk at Great Wilbraham and the new Doosan DX300LC-7 will play a key part in developing this resource. This is the first Doosan excavator we have purchased - the Doosan brand was recommended by several local companies we know such as G Webb Haulage and our staff in the quarry have been impressed with the new DX300LC-7.

"This latest venture is another diversification that builds on the excellent reputation we have established over the years as a recommended contractor for many distinguished organisations throughout East Anglia. These organisations include the University of Cambridge, Cambridge City Council, Tattersalls, Jockey Club estates, the National Stud, Newmarket Racecourse and the National Trust. We also serve local builders, landscapers, garden centres, schools, and property developers. Our diversity helps to ensure that we have a role to play in most local contracts from actually carrying them out to supplying them with materials and equipment."

One area that continues to be busy for Mead Construction is groundworks, with the company undertaking a comprehensive range of groundwork tasks within a 20-mile radius of its base on the Suffolk-Cambridgeshire border. Services include Foundations and Oversites, Drainage, Tarmac work and Paving, as well as Site Clearance work and Service Trenches. The company is an Anglian Water Approved contractor and carries out a wide selection of sewer works.



Finalist in National Family Business Awards

Mead Construction's achievements as a family-run business were recognised last year when the company was a finalist in The National Family Business Awards, where the panel was very impressed by the company's dedication, commitment and pride in being a family business. Started by Phil's father, Martin Mead, in 1985, the company is truly a family affair, with Martin's wife, Pam, and Phil and his brothers, Michael and Richard, now heading up different aspects of the business.

The latest generation Doosan DX300LC-7 Stage V excavator builds on the very successful design of the previous Stage IV



machine. It introduces major enhancements in operator comfort, machine controllability, productivity, uptime and return on investment, with a strong focus on low fuel consumption, increased power, robustness and versatility.

Increased Comfort and Controllability

Already excelling in spaciousness and ergonomics, the new cab in the DX300LC-7 model takes operator comfort and ease of operation to unheralded levels. As well as a new high-quality seat, the enhanced cab offers more features as standard than other machines on the market, ensuring super controllability and high precision in all applications. As standard, 360° cameras provide full visibility around the excavator and allow the operator to see a top-down view of the area outside the machine.

To meet Stage V engine emission regulations, the new DX300LC-7 excavator is powered by the latest generation Doosan DL08 diesel engine, providing 202 kW of power at 1800 RPM. The DL08 engine offers a new solution to exceed Stage V regulations without exhaust gas recirculation (EGR), that boosts the quantity of air available during combustion, increasing the temperature of the process and greatly reducing the number of particulates produced.

Over 40 Years of Experience in Plant

Leicester-based Pioneer Plant Ltd is the Authorised Doosan Dealer for Leicestershire, Northamptonshire, Cambridgeshire and the PE and NG postcode areas of South Lincolnshire. Pioneer Plant (www.pioneerplant.co.uk) is solely responsible for sales and servicing of the Doosan crawler, wheeled and mini/midi excavator, wheel loader, articulated dump truck and attachment ranges in its area.

Pioneer Plant offers over 40 years of plant dealership experience for both new and used equipment. Together, Brian Conn and Steve Corner, joint partners in Pioneer Plant, and their team provide a wealth of knowledge and expertise to advise and support customers with their plant purchases and how Doosan products can be used in their businesses. Pioneer Plant customers benefit from a superb on-site service network, covering everything from emergency repairs to routine maintenance. The company's factory-trained engineers have many years of hands-on experience of repairs and servicing of all types of plant and machinery.

To see a video of the new Doosan DX300LC-7 at Mead Construction in action, click on the link below:

<https://www.youtube.com/watch?v=rRcgbbFdk0>

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The Industry Solutions Range from JCB is designed to meet the challenges of demanding material handling applications. Using our extensive knowledge and Industry-leading product development, we offer machines with the exact specification, performance and unrivalled levels of safety and support you need to get the job done. With a choice of IndustryPro or top of the range IndustryPlus models, they are just the job.



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Yanmar launches Stage V-compliant V120 wheel loader

Yanmar Compact Equipment EMEA has unveiled the next generation of its V120 wheel loader. Powerful, efficient and versatile, the V120 is ideally suited to space-restricted urban job sites, infrastructure developments, agriculture and landscaping applications.

Powered by a robust 3.6-litre, 4-cylinder turbocharged diesel engine and fitted with a diesel particulate filter (DPF) as standard, the V120 is both EU Stage V-compliant and highly fuel-efficient. The engine delivers 101hp at 2,000rpm and 410Nm of torque at 1,600rpm, giving operators power-on-demand and enabling the V120 to reach travel speeds of up to 36km/h.

Designed with class-leading capability in mind, the V120 uses next-generation technology to provide unrivalled loading performance. Parallel kinematics allow operators to quickly and precisely move loads to a maximum lifting height of 3,365mm and a maximum dumping height of 2,680mm, with static tipping load capacities of 5,000kg (straight) and 4,400kg (full turn) and a maximum digging force of 55,000N.

Smooth and dependable independent working hydraulics use a variable displacement pump to build a working pressure of 250 bar and a capacity of 81L/min. The circuit is thermostatically controlled, actively maintaining oil temperature within the optimum window, and reducing the risk of overheating for ultimate peace-of-mind.

For complex jobs, the V120 brings extreme versatility to the work site with three available attachments: a general-purpose bucket, forklift attachment, and a multi-purpose bucket. Changing between attachments is smooth and fast using Yanmar's hydraulic quick hitch system, which can be operated from within the cab.

On uneven terrain, Yanmar's rear axle oscillation system ensures standout stability, keeping all four wheels on the ground with slewing angles of up to 8°. The V120 is also incredibly manoeuvrable, thanks to 40° of articulated steering and a turning radius of just 2,155mm (4,680mm

bucket circle). Fitted with hydrostatic transmission, permanent all-wheel drive and automatic self-locking differentials, it has excellent traction – perfect for moving heavy loads on challenging terrains.

An adjustable steering column and suspension seat mean that the cabin can be tailored to individual requirements, while heating and air-conditioning provide year-round comfort. Visibility from within the cabin is excellent, with large windows and LED working lights.

The loader's ergonomic controls are extremely intuitive, improving operator precision and workflow while reducing fatigue on extended jobs. The cycle time of digging and loading work is also shortened, thanks to the inclusion of an inch brake pedal that can slow the loader's travel speed while maintaining engine rpm.

Yanmar's Smart Control system is included as standard, providing effortless control and monitoring capability. The 3.5" display provides real-time machine data, alongside customisable settings to suit the operator. As with all Yanmar Compact Equipment, safety was a key consideration in the design of the V120, meaning the cabin is certified to FOPS II.

Maintenance is made easy too, thanks to a large engine hood providing easy access to all main service items, reducing Total Cost of Ownership. In addition, daily maintenance tasks can all be performed at the ground level, saving operators time and further improving safety.

For more information on the Yanmar V120, or to find your nearest dealer, visit:
<https://www.yanmar.com/gb/construction/>.



EC530E and EC550E - the 50-ton excavators with ideas above their size class

All-new machines are also a new size class for Volvo CE, offering a 25% boost in fuel efficiency and a range of advanced features to also deliver a 20% boost in productivity...

Volvo CE does not do things by half – when they enter a new size class of excavator they go straight for the top spot – producing the best in market at its first attempt. And not just one, Volvo CE is launching two 50-ton machines – the EC530E and EC550E – excavators born to excel in heavy duty digging, mass excavation and large-scale site preparation.



Delivering digging and lifting forces normally found in 60-ton machines, these two excavators feature the highest engine power in the class, providing high tractive force and swing torque. When coupled with large buckets, the EC530E and EC550E are perfectly suited to filling articulated haulers in the 30-40-ton class – requiring fewer passes to load them, thereby reducing cycle times. This combination can boost productivity by an impressive 20%.

These are 50-ton machines with all the characteristics of bigger equipment. A super-rigid reinforced undercarriage has the durability and strength normally associated with a 60-ton class excavator. This is supported by equally sturdy lower and upper frames. The EC550E undercarriage has a long and wide

lower frame, giving it extra stability when working with heavier loads. The undercarriage on the EC530E, meanwhile shares the same transportation dimensions (and loading convenience) as Volvo's 48-ton EC480E.

It is not just the undercarriage that is tough – the boom and arm boast a larger pin size for added strength when the going gets tough.

IMVT unlocks 25% fuel efficiency gains

A low emission Volvo D13J engine may be the heart of the EC530E and EC550E, but combined fuel efficiency – of up to 25% – is enabled thanks to these machines' use of the very latest electro hydraulics system. It achieves this due to Independent Metering Valve Technology (IMVT) which, thanks to intelligent electronic control offers both more precise operation and efficiency than a traditional mechanically coupled hydraulic system. Further efficiency is gained from engine pump optimization, which lowers engine speed while maintaining power, and improved hydraulic pipework layout. Put together, the EC530E and EC550E offer high levels of control and efficiency for all applications. The new system offers a range of smart functions, including creep mode (useful for precise lift-and-carry work) and optional Comfort Drive Control (CDC). CDC helps to reduce operator fatigue by allowing the excavator to be steered using the joystick rollers, instead of the pedals.



Operators can select several functions depending on the task at hand and their preferences. This includes boom/swing and boom/travel priority, which enables one function to take the lead over another. The boom-down speed can also be adjusted, giving optimum control for tasks that require extra precision. New boom-and-arm bouncing reduction technology lessens machine shock – a feature much appreciated by operators.

Dig assist machine control applications

Operators are further assisted in their tasks by the optional Dig Assist apps – powered by the 10in. Volvo Co-Pilot tablet. These include 2D, In-Field Design and 3D software packages. On-Board Weighing is another useful feature, providing real-time information on bucket load (to ensure optimum fill) as well as recording material moved per pass, per shift or per day – providing invaluable productivity data.

Quality Volvo Attachments mean that you can get the maximum productivity out of your machine. Purpose-built examples include quick couplers, buckets, breakers, thumbs, shears, grapples etc. – all designed to work in harmony with the specifics of these machines.

Home away from home

The Volvo Care Cab is a great place to spend the workday. Getting on board is safe and easy, thanks to bolted anti-slip steps and high visibility handrails. For easier transportation, an optional entrance step and walkway can be folded away.

Once seated, operators enjoy both a low noise and low vibration environment, safe in the knowledge that the cab is protected by ROPS structure that exceeds industry standards for this weight class. They are also presented with best-in-class visibility, a benefit improved further if optioned with a one-piece front window. Technology also plays a part here, thanks to rear and side cameras, along with the all-round Volvo Smart View option, especially useful when working in confined locations.



Uptime a priority

The EC530E and EC550E have been designed with high durability and maximum reliability at their core – even when working in tough applications. Clever measures include the removal of hydraulic pilot lines, reducing the number of couplings needed. The electrical system is also now more robust, thanks to connectors that exceed the tough water ingress protection standards. Time and maintenance costs are further reduced, due to the engine oil and filter change intervals extended to 1,000 hours and ground-level access to grouped filters. A three-point right hand side access to the upper structure provides easy access to the UREA/DEF tank, which also features a splash guard to avoid spillages (and corrosion risk).

Volvo CE's portfolio of Uptime Services is key to ensuring long term machine performance and profitability. Oil Analysis, Care Inspection, and Undercarriage Inspections help keep machines in top condition, while easy-to-read reports – powered by CareTrack telematics system – help owners track productivity, fuel efficiency, and machine condition. For even less hassle Volvo Uptime Centres can monitor the machine and notify customers if required. This service is called Volvo Active Care. Question: when is a 50-ton excavator just like a 60-ton machine?

Answer: when it is a Volvo EC530E and EC550E.

Introducing the industry solutions range

Introducing Industry Solutions from JCB, a range of machines designed and built specifically to meet the challenges of demanding material handling applications. Using our extensive knowledge and industry-leading product development, we offer machines with the exact specification, performance and unrivalled levels of safety and support you need to get the job done. With a choice of IndustryPlus or top of the range IndustryPro models, they complement our established and successful Wastemaster range. Together they reaffirm our commitment to your industry and meet the challenges of today and tomorrow.

Industry Solutions Telescopic Handlers

JCB pioneered the telehandler concept in 1977 and constant innovation has helped us remain the world's No.1 choice. The new entry level IndustryPlus and range topping IndustryPro Loadalls are the culmination of this expertise, offering the very highest levels of performance and productivity in material handling, with high specification, world-beating build quality and unrivalled comfort to help you get the job done.

The new IndustryPlus models may be entry level machines but they come with great standard features such as halogen work lights, chevrons and wheel nut indicators. The IndustryPlus specification features a 4 speed powershift transmission and is available on 532-70, 542-70 & 560-80 machines.



[Click on the image to find out more](#)



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The new range topping IndustryPro has an even higher standard specification with LED work lights, full underbody protection and JCB's Smooth Ride System. The IndustryPro also has more power, greater lifting capacity and the unique DualTech 2-in-1 transmission. It is available on the 542-70 and 560-80.

Both specifications have a powerful and efficient Stage V JCB DieselMAX 4.8 litre engine and feature our all-new CommandPlus cab which offers greater comfort and space with best-in-class all-round visibility.

Industry Solutions Wheel Loaders

The IndustryPro range of wheel loaders has been designed and built specifically to get the job done in challenging material handling applications where professional levels of performance and specification are required. The IndustryPro package includes: 360° High Specification LED Lights, Smooth Ride System (SRS), Auto Lubrication, Lift Ram Strut, White Noise Reverse Alarm, plus many other valuable options to help, whatever the application.

The Industry Solutions IndustryPro 427, 437 and 457 Wheel Loader is powered by a Cummins Stage V engine with excellent low-end torque. The efficient ZF driveline aids performance at low engine



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speed for improved tractive effort. The IndustryPro 411 and 417 is powered by a Stage V JCB DieselMAX 4.8 litre engine with exceptional low-end torque for the ultimate performance.

Our IndustryPro wheel loader range also features one of the best cabs on the market - The JCB CommandPlus cab. With optimal control layout and driving position for operators of all shapes and sizes, it provides greater comfort and space with best-in-class all-round visibility. A seat mounted single joystick is fitted as standard, allowing the operator to have full control even when travelling over rough terrain due to the joystick moving with the seat.

The IndustryPro specification is available on our 411, 417, 427, 437 and 457 models.

Industry Solutions Material Handler

Introducing our new, updated material handlers. Choose between the IndustryPlus or the ultimate IndustryPro specification. The JS20MH has been engineered using the finest components and expertise available with a raft of features and high specification to ensure reliability, productivity, versatility and maximum protection for operators, bystanders and the machine alike. The distinctive high-rise cab makes this machine perfect for applications like waste management.

The new JS20MH IndustryPlus is the entry level machine which comes with great standard features such as 3 amber beacons, Hi-Viz belt, all-around handrails (Boxing ring rails) on the upper structure, with side camera and a cab footrest. The JS20MH IndustryPro has additional standard features including full LED work lights, light guards, chevron counterweight, top of the range seat and travel alarm. Both IndustryPlus and IndustryPro JS20MH material handlers have a joystick mounted power boost button to give quick access to extra hydraulic power.

Both models feature the proven JCB EcoMAX engine which has no DPF, helping to reduce service time and running costs. Whichever specification you choose, efficiency, strength and comfort all come as standard, to help you get the job done.

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CRJ Showcase the HAAS TYRON and Steelweld Strobe at Letsrecycle Live

CRJ Services is looking forward to returning to Letsrecycle Live with two of the most popular machines in the CRJ hire & sales fleets. The HAAS TYRON, a market leading slow-speed shredder, and the Steelweld Strobe, an increasingly popular mobile Eddy Current Separator will both be showcased. As the exclusive dealer for both OEM brands, CRJ offer both machines for hire and purchase across the UK and Ireland.



HAAS TYRON

The Letsrecycle exhibition coincides with a double landmark for the HAAS TYRON, with leading recycling and waste management company, Binn Group Ltd recently purchasing the 100th TYRON sold into the UK & Ireland, and the 10th into Scotland.

Renowned in the waste and material processing industries for its versatility, low running costs and ease of maintenance, the HAAS TYRON 2000XL 2.0 is the 2nd generation of the popular TYRON series of twin-shaft shredder. The Tyron offers a range of tooling configurations, shedding programs and options to customise the machine to process specific materials and operational requirements. Its twin shaft configuration decreases the occurrence of material wrapping around the shafts and enables the shafts to 'self-clean'. This unique HAAS twin shaft system reduces wear and downtime in comparison to pre-shredders with synchronised shafts.

With a multitude of upgrades from the 1st generation machine, the new TYRON impresses with both reliable high-

performance, as well as increased safety surrounding the machine operation and maintenance.

The upgrade has included a new shredding chamber design, which has allowed for a more aggressive infeed whilst reducing the amount of wear seen in the shredding chamber. The new design also includes a larger clearance between the shafts and the collection belt, increasing the throughput of the shredder.

Foldable side panels allow direct ground access to the shredding chamber. Side access eliminates the risk of someone having to enter the shredding chamber for maintenance and hard facing. This also allows for more efficient maintenance, meaning less machine downtime.

HAAS has also improved access to the hydraulic and engine compartment of the machine, making it easier and safer to conduct maintenance and servicing.

Another benefit of the new generation machine is the hydraulically positioned overband magnet, making it safer and quicker for operators to adjust the height of the magnet over the outfeed belt, via the remote control.

Steelweld Strobe

CRJ worked with Steelweld Enviro Products to design and manufacture a compact mobile Eddy Current Separator capable of liberating both ferrous and non-ferrous metals from a range of feed materials.

The Strobe incorporates a Bunting's Eddy Current Separator and Rare Earth Drum Magnet, which can be easily adjusted to optimise separation across a range of material. It is equipped with crawler tracks, an on-board diesel generator and a hydraulic power pack, allowing for easy site manoeuvrability and transportation on a low-loader trailer without permits.

The low feed height of the mobile separator enables a direct feed from other plant such as trommels or shredders. With quick set-up times and an easy-to-use push button control panel, the innovative design ensures trouble-free and low-maintenance operation.

Both the TYRON and the Strobe will be showcased on CRJ's Letsrecycle Live stand, OUT8. Allowing guests to view the machines up close and have a discussion with their knowledgeable sales team on how CRJ can support you with your machinery purchase and hire requirements.



Neutron Equipment supply an Eggersmann Terra Select T60 to JM Recycling



Established in 1963, the Jack Moody Group (JMG) are a large West Midlands based landscape construction, recycling, and civil engineering business.

JM Recycling is a division of JMG who are one of the UK's largest composting operations, growing considerably since 1996 with

750,000 tonnes of green waste being processed and diverted from landfill every year by the company.

JM Recycling was also the first to be granted the BSI PAS 100 standard by the Composting Association (now AFOR), as well as being designated a 'Best Practice Site' by WRAP, a government waste reduction initiative.

Green waste is recycled to produce a range of 100% recycled peat free compost materials under the CARE Compost brand, which is endorsed by BALI and has organic standard certification from the Soil Association. The range of top dressing, soil conditioner, mulches,

tree and shrub planting and growing media composts offer enhanced fertility and improved soil quality and is used nationwide by local authorities and both commercial and private landscapers and gardeners.

For the past 22 years JM Recycling have worked with local authorities processing and recycling organic waste to create high quality compost products. They now have six recycling sites in the UK which are predominantly green waste, wood, inert waste, and virgin products including a large logistics operation to transport all the material.

Faith in the product:

The new Eggersmann Terra Select T60 has been supplied to the JM Recycling Coventry operation by Neutron Equipment Ltd where it has replaced an older Eggersmann T8 and is now currently employed in processing compost to a precise specification.

Neutron Equipment Ltd who are based in Reading, Berkshire are the UK (south) & Ireland dealer for Eggersmann and manage a portfolio of other OEMs in the recycling, biomass, and forestry industries.

Rob Moody, Managing Director of JMG takes up the story, "We had been operating an Eggersmann T8 which has done more than 20,000 hours and has been an excellent workhouse and although we researched the market it made sense to go with the same brand as we have total confidence based on the 10 years of experience we have had from that machine.

"The new machine is processing around 100 tonnes/day and producing peat free compost. Currently, the market is very busy, and we cannot produce enough compost fast enough, and it is obvious that as we expand, we will have to invest in





new machines. The new machine has been a great choice which has been backed up by Neutron who are helping us fine tune to optimise the maximum specification of the end product.

Jamie Francis – Neutron Regional Sale Manager, added, “The Eggersmann Terra Select T60 has been supplied with a full-service package which entails a monthly check. JM also complete daily checks and liaise directly with the Neutron service team to confirm maintenance specifications, correct oils & lubes etc to keep the equipment operating efficiently.

Additionally, general checks are done throughout the week which builds information into the monthly plan allowing us to be fully aware and, in a position, to deliver that monthly service.”

Rob, added, “We supply in bulk to reproprocessors who in turn supply all the big garden centres in the market which has seen pretty much a constant demand for the last 10-15 years; this is also now increasing slowly due to the maturity of the industry. People are generally becoming more confident with the knowledge it has come from a waste product which has seen a lot of research and work go into that final product.

“The big question is how the UK is managing its peat free or reduced peat product which is the big issue and a process like ours can feed into that and offer a peat free product.

“As a group we process 160 – 200k tonnes/yr. of this material across our sites which gives you some idea of the scale and the efforts that JMG are making in helping push everything in the right direction.”

Above the basic industry specification:

Rob continued, “We look at our sites as treatment facilities and operate almost like a factory, it starts at the beginning, and we go through a process and a quality product which is above the basic industry specification comes out at the end. To maintain this, we will put OEM’S like Eggersmann under pressure to ensure the machine works faultlessly to produce the desired quality of the end-product.”

“The Neutron team have assisted us faultlessly in the short time we have had the machine and we are very pleased with the support and service we receive.”



Eggersmann Terra Select T60:

High throughput performance and many innovative design solutions are the striking features of the Terra Select T 60, while its high-performance motor runs fuel and energy-efficiently. The engine has sufficient power reserves to operate additional optional equipment such as star screening decks or windsifters. The pivoting infeed unit makes the daily manoeuvring of the machine easy for the personnel.

The Terra Select T 60 trommel screening machine is equipped with a powerful industrial diesel motor (75 kW power). The trommel, with a length of 5,500 mm and a diameter of 2,200 mm, provides impressive screening performance of up to 200m³/h. The positive fitting drive for the infeed conveyor belt stops and starts automatically depending on the amount of material in the drum, preventing an overloaded screening drum. Special features are an optional extra-long fine grain belt 8,060mm, a 33m² screening area, and a powerful 75 kW diesel motor.

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STAND - OUT 11

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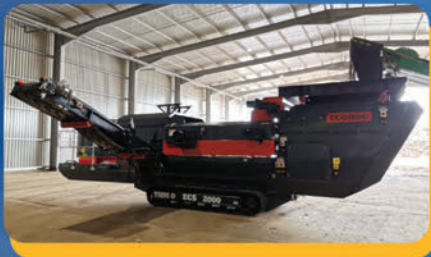
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BRT HARTNER presents: Bale Breaker with new DYNAM-Floor

The situation for plastic waste on the world market has fundamentally changed over the last years. Many countries have new packaging laws which dictate significantly higher recycling rates. As an example, in Germany the mandatory recycling quota for plastic packaging is set to rise from currently 36% to 63% from 2022...

Plastics undergo increasingly extensive processes of sorting, cleaning and granulation which means that the material frequently has to be transported or put in interim storage. Due to rising transport and storage costs, the material often gets pressed into bales. In order to unravel the pressed bales in subsequent treatment for an even and loose material stream, it is recommendable to use a Bale Breaker instead of shredding technology.

BRT HARTNER GmbH has a very special Bale Breaker in its product range. The BRT HARTNER BB consists of a bale breaking unit and a bunker. The bale breaking unit is equipped with a slow-running drum and a down-holding device with pneumatic return springs. The pressed material is broken up and loosened by the comb of the down holder and by the drum.

The conveyor in the bunker, which moves the bales towards the bale breaking unit, is an extremely sturdy moving floor conveyor. Its smooth surface enables the bales to slip aside in front of the rotating drum to a certain extent to effectively avoid blockages.

The uniformity of the conveying movement also plays an important role in efficiently breaking up bales. The new DYNAM-Floor system makes it possible to set the bales in a steady, flowing motion. This has a very positive effect on the efficiency of the bale breaking and the continuity of the discharged material quantity.

The volume flow control of the Bale Breaker is another special feature of this machine. Sensors and a frequency converter adjust and control the volume flow of the discharged material.

Another unique characteristic of the Bale Breaker of BRT HARTNER GmbH is the special design of the hopper walls. These hopper walls are separate elements designed as removable plug-in walls with mounts. Thus, wall elements can later be added or removed on both longitudinal sides according to requirement. This enables feeding of the bales either from the rear side and/or one of the longitudinal sides.

Another advantage are the low acquisition and operational costs of the machine. Its total power consumption is well under 25 kW which is even less than similar systems or shredders.

The BRT HARTNER GmbH Bale Breaker is delivered fully functional and complete with all drives and the electric control unit. In addition to the Bale Breaker, we recommend the BRT HARTNER BD Bale Dewiring. It mechanically removes wires that are strapped around bales before they are given over to the Bale Breaker.

Ecohog have the finnish touch

Salon Hyötykäyttö Oy is the perfect example of Ecohog separation technologies working in harmony to maximise performance and revenue for customers.

This C&D waste recycling facility utilises:

- Lindner Urraco 75 Shredder
- Ecohog EST 8220 modular dual screen trommel
- Ecohog QCS-1200 quality control cabin
- Ecohog EH1500 SMP Windshifter
- Ecohog THM ECS-2000 mobile Eddy Current Separator

The C&D Waste stock pile is grab fed into the Lindner Urraco shredder for size reduction and densification. It is then delivered to the EST 8220 dual screen Trommel to remove a Fines 0-20mm fraction and a Mid-size 20-90mm fraction. The Fines are stock piled and the Mid-size and Oversize +90mm fractions travel downstream for further recovery processes.

The Oversize fraction is transferred to the QCS-1200 mobile picking station with onboard dual action Blower/Suction

Airhog system and Overband magnet. The Airhog system removes light trash material such as Paper, Cardboard, cloth and foil prior to the picking cabin where this is also a secondary suction hood to remove residual light trash material. The picking cabin features 2-bays for 4-person manual sorting of valuable commodities such as wood, plastic, stone, rubber before the Oversize material is discharged under an overband magnet to recover Ferrous (steel) metals.





The Mid-size fraction is transferred to the THM ECS-2000 to recover residual Ferrous metals (screws, bolts, nails) with the onboard drum magnet and then valuable non-ferrous metals (Al, Cu, Brass) with the 2m wide Eddy Current Separator.

Finally the residual fraction (non-metallic) from the THM ECS 2000 is fed to the EH1500 SMP Windshifter to separate the heavy stone/aggregate material from light material such as Wood, Plastic and Fluff that could be used in SRF/RDF supply.

Mr. Mikko Brandt, Managing Director of Salon Hyötykäyttö Oy had this to say "I am very happy with the line, everything has worked well with Ecohog. Ecohog has been very flexible with our requests and we have got a line that works as planned and as promised".

Tristram Hubbard-Miles, Global Sales Director of Ecohog Ltd said "We're really grateful to continue our long standing with Salon Hyötykäyttö and Luminer and welcomed the opportunity to supply a complete Ecohog C&D plant downstream. This plant has become a flagship reference site

for a wide range of Ecohog sorting technologies and showcases our determination to continually work with customers and help generate maximum revenue for them."

Kari Strandvall, Managing Director of Luminer Oy further commented saying "It has been a pleasure to co-operate with Ecohog and Salon Hyötykäyttö Oy and to be able to deliver this kind of line. The line became just as we planned together with Ecohog and the customer".

In conclusion, Ecohog have been able to offer a full mobile and modular downstream combination of systems to minimise waste material to landfill and maximise revenue for the customer. Please see our video of the machines in operation in Finland here- Ecohog Machines on C&D Waste Facility in Finland.

If you have a waste sorting problem, Ecohog can provide the solution! Get in contact today on 0044 (0) 28 80761295 or email us at info@ecohog.com



Bendall gets a belter

In a growing market, investment in new kit must bring big improvements to production capacity and operational efficiency to stay ahead of the competition. Bendall Metals get this and more with their new Kobelco SK140SRD car dismantler supplied by the recycling machinery experts at Molson Green.

The performance of the waste and recycling sector is going to prove pivotal if the UK is to reach the ambitious environmental and carbon reduction targets it has set itself.

Not only does this salvage recycling and reuse of materials from steel to aggregate; timber to topsoil make environmental sense, but as raw material prices continue to escalate, makes sound financial sense too.



Molson Green is the dedicated division of Molson Group that is focussed on providing machines for the recycling industry that help businesses provide the highest quality recycled material available.

As part of the Groups 'Green Agenda', Molson Group are committed to using their expertise to help reduce the impact on the environment. However, this is not only achieved by offering a range of low emission machines and equipment, including electric drive machines. The biggest improvements are to be had by sharing their knowledge and expertise to help customers become more efficient in their day-to-day operations. This could be by introducing alternative machines or technologies available, or by simply re-engineering a site layout to give incremental improvements that can make a huge difference over time.



One such business is Gloucestershire based, Bendall Metal Recycling Ltd, which has taken a Kobelco SK140SRD-5 MD car dismantler for use at its recycling centre on the banks of the River Severn in the Forest of Dean.

Such is the precision of these machines that they can pick out even the smallest pieces of valuable material which helps improve the overall percentage of a vehicle that can actually be recycled. This increased yield – as much as 30% in some applications – not only makes end-of-life vehicle recycling more profitable, but it also makes it viable for the Bendall's team to take on vehicles that have been partially processed by other firms, ensuring that more is recycled and helping to reduce the worldwide demand for raw materials.

Working on the 'OHIO – Only Handle It Once' principle as far as possible, end-of-life vehicles that come through the gate are initially 'depolluted' with all oils and fluids drained from them before the Kobelco uses its independently operable gripping arms to reposition the vehicle before metals and materials are stripped and peeled away from the vehicle's frame. Anything remaining is loaded into the shear and baled.

One area where the Kobelco and Daemo duo is particularly effective is in separating the wiring loom from the scrap vehicles. These copper wires are of a high value to the

Bendall's team and well worth the salvage effort.

The dexterity of the Daemo attachment and the manoeuvrability of the Kobelco can accurately draw the wiring loom from the vehicle, ready for recycling.

As well as providing a better-quality final product, the improvement in yield means there is less material remaining to be put into the shear and therefore, less wear on these expensive pieces of equipment.

With scrap metal prices currently at a high, the machines efficiency, improved yield and high output helps balance the investment for the Bendall's team.

Robert Bendall, Managing Director at Bendall Metal Recycling said, "We wanted an efficient machine that would help us recycle greater volumes of the more difficult material from

ELVs, but that would also improve the quality of the recyclables and give them a greater fiscal value. We wanted a machine that

would help us work smarter – and harder. The Kobelco machine does that. It gives a greater yield increase and is very fuel efficient, it is comfortable for the operator, is smooth and well balanced. We are very happy with it and the level of service we have received from the Molson team."

Matt Wilson, Molson Sales Manager said, "This is the perfect machine for the Bendall Metal Recycling team, with the ideal attachment. The Kobelco is a factory-built machine and so benefits from a full warranty. Its small footprint is ideal for use in their recycling facility and like all Kobelco's it has exceptional fuel economy – another environmental benefit – and fantastic build quality. The Daemo nibblers are so precise they can be used to pinpoint and retrieve the smallest pieces of valuable material, increasing the yield per vehicle and once again proving hugely beneficial to the environment."

The firm specialises in metal recycling, purchasing all ferrous and non-ferrous grades and offering services for householders and large multi-national companies alike.

One burgeoning area of business is in the recycling of end-of-life vehicles (ELVs), a difficult task which meant that joint company directors Rob Bendall and Lucy Thomas were looking for a machine that would help in their quest to process as much of the recyclables out of the scrap cars and commercial vehicles as possible.

The two worked with Molson Sales Manager, Matt Wilson, to pin down a machine that would ensure the team could successfully segregate as much of the 3000 tonnes of scrap that Bendall's process per month into useable raw materials.

After deliberating over the choice of machine, the Bendall's team settled on the Kobelco SK140SRD-5MD dismantler coupled with a Daemo DMCP 140R attachment as the latest additions to the fleet.

How Important is a Mobile Elevated Work Platform Safe-Use Plan?

It is crucial for businesses where employees are using a Mobile Elevated Work Platform (MEWP) to carry out any work at height to hold a satisfactory safe-use plan that follows the correct safety standards and allows the operator to understand the protocols needed to maintain a safe working environment. Plans will need to be continually reviewed and updated by a person competent and qualified to do so.

MEWPS are rigorously tested and researched before their launch with high safety standards however, the ultimate safety is down to the operator using the equipment and the practices that are in place. So, what should my safe-use plan involve?

1. Risk Assessment: This must be carried out by a competent person; it must be reviewed and amended as and when is needed and a rescue plan must also be included. The appropriate MEWP guidelines must include factors such as capacity, height, reach, ground conditions, proximity to the public and recommendations for safety harness use.
2. MEWP Selection/Familiarisation: Always ensure you have selected the correct MEWP for the task and accounted for extra considerations such as movement around site or height restrictions and familiarise yourself with the size/height before use.
3. Maintenance and Repairs: All MEWPs require regular maintenance and inspections. These must be recorded alongside an up-to-date LOLER.
4. Training and Qualifications: An operator course is not all that is needed to become a competent operator. A newly trained operator may be qualified to operate the machinery but has little/no experience using the MEWP in a complex environment such as a restricted space. Are the provisions also in place to re-train operators in specific job requirements?
5. Unauthorized Use: Make sure where the machine is parked is only accessible when needed and locked away appropriately when not in use. Remove keys and ensure they are only issued to authorised personnel.
6. Site-Specific Requirements: Unique site hazards must be accounted for that are not always covered such as lowered ceilings or moving trucks.

If you would like to book your MEWP training with us or discuss creating a safe-use plan, contact us today – 01246 386900.



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Chain manufacturers typically build attachments unique to their own brand making it difficult to replace with a different make. However Donghua, one of the world's largest chain manufacturers, has designed a range of Attachment Chain that does just that.

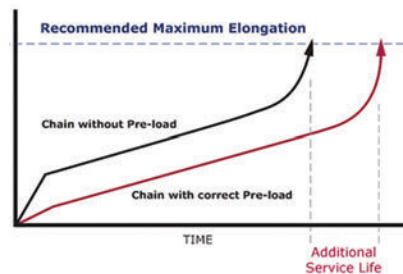
Their Universal Attachment Chain is designed specifically for the UK's distribution market, providing a unique 'one chain fits all' solution.

Bob Wellsbury, managing director of Donghua Limited, explains "Because our Universal Attachment Chain has the same critical dimensions as other manufacturers' chain, distributors and end-users are no longer tied into using the same brand for replacement chain."

Donghua's Universal Attachment Chain is built in their UK headquarters. The facilities allow for quick turnaround of standard Attachment Chain and the design & build of bespoke Attachment Chain.

Their workshop includes a Chain Length Measuring Machine which measures chain to within 10 microns per metre and is capable of measuring up to five metres of chain at a time.

Chain with little or no pre-load will have increased initial elongation before it levels off. To reduce initial elongation often found in 'in-house' built chain, Donghua's Pre-loading machine pre-stretches their Attachment Chain to provide the best possible service and fatigue life.



When two or more chains are used in parallel, Donghua's Matching Machine matches chain to within a close tolerance for correct tensioning to help ensure attachment links engage with the sprockets together to eliminate undue stress which can cause fatigue failure of attachments.

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One Million Tonnes with McCloskey

- **Brookland Sand and Aggregates delivers more than one million tonnes of product in single trading year for the first time**
- **Milestone achieved with fifteen McCloskey machines producing more than 40 products**
- **Company on track for a further 50% increase in delivered product in next 12 months**

Brookland Sand and Aggregates Limited has, for the first time in its trading history, delivered more than one million tonnes of product in a twelve-month period. Behind the milestone achievement are 15 McCloskey machines, integral to the delivery of more than 40 separate products.

Operating from Littlejohns China Clay Pit, the largest China Clay pit in the world, the Saint Austell based company takes vast quantities of granite, rock and sand, a by-product from the process of extracting Kaolin, from the quarry's operators. The material is highly abrasive and varies greatly in size, ranging from fine sands to 25-tonne boulders.

Processing this material are 15 McCloskey machines, including three J50H Jaw Crushers – with the fourth joining the fleet imminently – a C2 Cone Crusher and 10 McCloskey screeners.

Brookland Sand and Aggregates' primary crusher fleet is made up of McCloskey J50H Jaw Crushers. With the widest jaw in its class, the J50 provides class-leading throughput and capacity with the largest stockpile height, essential for Brookland's operation. When McCloskey Equipment deliver a fourth J50H this summer, Brookland Sand and Aggregates can increase its overall productivity by a further 50%, with a target of 1.5million tonnes of product delivered per annum in 2021/2022.

Throughput and capacity are only part of the story for Brookland Sand and Aggregate; the J50's aggressive pre-screen sets the machine apart from its rivals. By separating the huge amounts of sands and fines ahead of the jaw, Brookland Sand and Aggregates is able to extract fines for processing with a single machine. This process also increases the longevity of the



jaw by removing abrasives and producing a cleaner product from the main conveyor.

From here, material can be further processed by either a McCloskey C2 Cone Crusher, which was one of the first of the new-generation McCloskey Cone Crushers to be delivered in the UK by McCloskey Equipment, or into one of 10 screeners on site, depending on the final product required.

Two R155 High Energy Screeners, which are some of the most versatile in the McCloskey R-Series range, are used to produce clean gabion stone or feed into the C2 Cone crusher to produce 803 or similar, single-size aggregate.

Brookland's two S190s work daily to deliver coarse concrete sands, one of the company's biggest selling products. The S190 has proved to be one of Brookland Sand and Aggregates' best performing machines; until recently, the company was still using one of their original S190s, one of their very first McCloskey machines, which had provided 11-years of service and processed more than two million tonnes of sand and gravel.

The main classifier on site is a McCloskey S250, one of the world's largest track mobile screeners. The class-leading screening area is essential to Brookland Sand and Aggregates' throughput, delivering clean aggregate, 10mm and 20mm product from the high-energy screening action.





Completing the fleet are five McCloskey S130s, each with an individual role in the operation. Two machines support the S190s in the production of concrete sand. The other three machines are used to create single size aggregate, add lime to product or to reclaim stone from scalping operations.

Marshall Cleave, Director of Brookland Sand and Aggregates, commented; "To reach one million tonnes of product in 12 months is an achievement, but to do it in the midst of a pandemic is incredible. At the heart of it are our McCloskey machines; they have consistently out-performed rivals producing clean, ready-to-use end products.



"We have worked with McCloskey Equipment since 2010 and they have always been a fantastic partner for us; from the provision of new machines to providing technical support and supplying service and wear parts, they have always delivered. Being down in Cornwall, we are a long way from anybody, but whenever we've needed something, they have been there. Put simply, without these McCloskey machines and the support of McCloskey Equipment, we wouldn't have been able to deliver this amount of quality product or grow as we have."

Tim Watson, Marketing Manager, McCloskey Equipment added: "We are delighted to hear of Brookland Sand and Aggregates' milestone achievement and proud to have been an integral part of their success. When we delivered the first McCloskey machine in 2010, an S190, the business was operating at 250,000 tonnes per annum. That S190 was still in service until recently, supporting Brooklands Sand and Gravel's growth for more than a decade. With their new J50 Jaw Crusher, they can continue this trend, turning what would otherwise be waste material into consistent, clean, shaped, saleable product that meets every standard and is utilised across the UK."



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Bucket Bundie hat trick saves costs for Wordsworth Crushing Ltd

Established in 2003, Wordsworth Crushing Ltd is a highly professional crushing and screening contractor with a large fleet of crushers, screeners, and plant. The company employs over 150 members of staff and provides its services to many blue-chip companies.

Wordsworth Crushing have recently added three Bucket Bundie Fuel Bowser to their fleet provided by manufacturers, Ace Plant.

Ace Plant, home of the 'Bundie Bowser' fuel storage range, are a plant hire and sales company based in Milton Keynes who utilise their engineering roots to manufacture Fuel Storage Solutions and Dust Suppression equipment for hire and sale throughout the UK. Based on the same concept as the patented Bucket Bundie Fuel Bowser, Ace Plant's Bucket Bundie Store was seen shortlisted in the Institute of Quarrying's Excellence Awards in the knowledge and innovation category - a fantastic accolade for the 'Bundie Bowser' name.



The Bucket Bundies were purchased to further enhance Wordsworth Crushing's efficiency, safety, and ease on site. Oliver Wordsworth, the Managing Director of Wordsworth Crushing, first saw the Bucket Bundie Bowser at the Hillhead Quarry Show. Oliver said that the reason why a Bucket Bundie was a better fit to his business than a towable or static version was because the unit is "compact and no need for a tractor etc to tow the tank so this saves costs". He also said that the unit is "easy to use" and would be looking to purchase further units in the future.



These units remove the need for lifting chains as well as the need for the operator to leave the safety of the machine's cab to attach any chains. It features a patented bucket loading system with special slots

above the support legs that allow a wheel loader operator to easily pick up and move the bowser using the machine's front bucket. With the loader bucket crowded back, the Bucket Bundie is held securely for safe transport across rough ground – this combination works much better than a towed bowser which can be difficult to move and reverse – particularly on rough terrain.

The Wordsworth units were painted in their own company colours (at no extra cost) to keep in line with the rest of their fleet and company brand.

The Bucket Bundie Bowser is available in three different capacities: 450L, 1000L & 2250L.

To find out more visit www.aceplant.co.uk or call 01908 562191.



First of the new Powerscreen Chieftain 1700X screeners goes to work at Brett Aggregates

The Brett Group, headquartered in Kent, is one of the largest independent suppliers of building materials with over 50 sites across the UK. It is an independent, family-owned business which is over 110 years old and has 700+ employees.

Brett offers a range of products from patio and driveway paving and safety kerbs, marine dredged and quarried sand, and gravel, to specialist concrete for use in construction projects across London and the South East. The scale of their operations means that they process around 5 million tonnes of sand and gravel per year and pour around 1million cubic metres of concrete. As part of their growth strategy and commitment to sustainability, Brett recently added the first of its kind Powerscreen Chieftain 1700X to their fleet.



Built on the success of the original Powerscreen Chieftain 1700 incline screener, the new model has many new features that offer customers increased throughput with significantly improved fuel efficiency.

The new design comes with a large 16" x 5" screenbox with the option of a 2 or 3 deck configuration to cater for all application types. One of the new benefits is the patented 4



bearing screen box configuration as standard giving an extremely aggressive box with 17.5% more G force than its predecessor. Moreover, for those preferring a 2-bearing setup, the new 1700X can easily be adapted to a 2-bearing machine in a couple of hours, giving exceptional versatility for a range of applications. As well as increased throughput, the all-new Chieftain 1700X is one of the most fuel-efficient machines available. Powered by a tier 5 compliant CAT 4.4 engine which is supplemented by using the finest components such as new pumps running at 1800rpm, the culmination is a large volume screener using around 10% less fuel. These efficiency advancements coupled with the improved serviceability and access for maintenance make the all new Powerscreen Chieftain 1700X a screener that brings unrivalled efficiencies.

Discussing the performance of the new Chieftain 1700X, Area Production and Recycling Manager, Jim Gibb added "We have run a number of Powerscreen Chieftains over the years but this one really is something special. The throughput has noticeably increased, and it is using at least 10-15% less fuel making it more efficient and therefore more sustainable. This combination makes it a valuable asset to our business."





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Why minerals must play a key role in the Government's planning reforms

As the autumn deadline for the UK government's planning reforms - when measures will be brought before parliament, to eventually become law - draws closer, there is still lots to achieve in acknowledging the importance of the mineral extraction industry.

Chris Heffernan, director at multidisciplinary environmental consultancy MPG, shares his thoughts on the Planning Bill – in relation to the valuable role the minerals sector plays in helping to make the government's housing dream a reachable reality.

A closer look at the UK's housing landscape

Turn back the clock to June 2020, when Boris Johnson announced that during the Covid-19 recovery phase, the government would "build better and build greener but (...) also build faster", and it may come as no surprise that the subsequent planning reforms were so heavily housing-led.

This emphasis was further compounded by the country's 'Planning for the Future' white paper, released shortly after the announcement.

Alongside its planning objectives, the government is also trying to meet its target to provide 300,000 new homes annually by the mid-2020s – in an effort to help combat the country's housing shortage.

Since the prime minister's statement, the Ministry of Housing, Communities and Local Government (MHCLG) has made it clear that the planning reforms are driven by the need for more housing, and that changing the way the country currently builds will help to deliver the number of homes the nation needs, at a more rapid pace.

As such, it was outlined in the government's official press release last year that homes would be constructed faster by ensuring that local housing plans are developed and agreed in 30 months – as opposed to the current seven-year process.

Planning is about more than housing

While the government says these 'landmark changes will transform a system that has long been criticised for being too sluggish in providing housing for families, key workers, and young people', there is an elephant in the room.

Where will the building materials – such as aggregates, concrete, and brick clay – come from for this ramping up of housebuilding, and how can resource sustainability be guaranteed?

As the Mineral Products Association (MPA) has reiterated, mineral supply should not simply be assumed.

The government has declared that the reforms will help to 'cut red tape' and place 'a higher regard on quality, design, and the environment', but there has been no mention of a mineral planning and extraction strategy. This is concerning, and somewhat contradictory.

There is already a shortage of building materials across the board, casting a question mark over the industry's ability to sustainably deliver new houses – whether 100,000 or 300,000 – per year.

A new Select Committee report – entitled 'The future of the planning system in England' – however, has identified the holes in the government's current strategy and has suggested a series of considerations and amendments. This is much welcomed by the MPA.

It highlights the lack of consideration the proposed reforms would have on the mineral planning system, and states housing should not be treated separately from the greater infrastructure, economic, leisure, and environmental picture.





This report is a glimmer of hope for the sector. It is simply not good enough for the government to rely on the minerals industry to keep reminding them, through continued lobbying, that minerals are needed to achieve these housing, and wider infrastructural development goals.

Environmental awareness and minerals education

One of the biggest issues is that while the government invests time, effort, and money into marketing the country's need for housing – elevating its importance to influence public perception – there is never any mention of the role quarrying plays in helping to make this a reality.

The industry needs the country's policymakers to convey to the population how minerals can be won in a sustainable and environmentally considerate way – complete with restoration schemes that actually generate a net gain in biodiversity.

Unfortunately, at present, communications around minerals are not given the due care and attention they need.

Taking local authorities and councils as an example, many have limited, if any, minerals experience – which is not conducive to correctly informing and advising the government regarding any associated planning and development matters.

For instance, land banks should not be seen as the bare

minimum, we need to have minerals ready to go at all times – not a tap which is turned on and off. The land banking process is a science and an art, which needs to be recognised and harnessed by the authorities.

A collaborative effort is needed

Minerals are at the cornerstone of all building construction and development – these natural resources are what make it all possible. And as this is the case, they should arguably form the starting point for any new planning policies, not be an afterthought, or worse, omitted from the decision-making process altogether.

Ultimately, new developments – be it housing or otherwise – should only be planned for if there is a definite, ready-to-go supply of minerals, and if not, then promises should not be made to deliver unattainable targets.

It is only when the country's government officials, site operators, and minerals industry professionals work together, that a brighter, more sustainable future for the UK's infrastructure and development can be achieved – and now is the time to secure these deposits, to fuel this vision.

Sustainability case study: Processing contaminated soils

CDE solution behind Posillico Materials' efforts to clean up Long Island, NY...

Established in 1946, Long Island, New York-based Posillico Inc., a fourth-generation family business, has steadily grown to become one of the premier engineering contracting firms in the tri-state area and a leader in public works projects in New York. Founded by Joseph D. Posillico Sr., the business started out as a small trucking contractor.

Today, following a six-decade-long pattern of reinvestment in the business and underpinned by a commitment to quality and performance, the likes of which has led to the business securing contracts for major civil engineering and construction projects, Posillico provides a range of integrated services from heavy civil work for the public and private sectors, to environmental remediation, paving, drilling, and utilities contracting.

Now approaching its 50th year in business, Posillico Materials, the business unit which specialises in producing recycled sand, aggregates, and clay, has revolutionised the way environmental contractors, construction companies, utility businesses, and engineering firms manage waste on Long Island and in the Greater New York area with the support of state-of-the-art CDE wet processing technology.



Cleaning up the island

Committed to protecting the island, its community, and its resources, Posillico Materials recognised the need to address mounting concerns over ground pollution and landfill capacity.

"There's a big need to clean up the island," says Thomas Posillico, Material Division Manager.

For many years, Long Island has been troubled by pollution from toxic dumping and industrial pollution, in part due to its proximity to New York City. Ground pollution has the potential to adversely affect the island's groundwater and drinking water, so the Posillico team recognised the urgency of the matter given that the local water supply is managed via three major source aquifers close to the ground's surface.

Historically, contaminated soil would be transported off the island where it would be destined for landfill, however with the right technology this material can be processed to remove

contaminants, extract value, and to return land to good use to meet the growing demands of urbanisation.

Soil washing is not a new concept to Posillico, explains Robert Tassey, Facility Manager, but the company's mission to clean up the island was restricted by the available technology.

"Our history with soil washing goes back over 15 years. We had designed a plant; we called it the Frankenstein plant, because we took a piece of equipment from here, a piece of equipment from there, and we put it all together."

He says a chance encounter with CDE at CONEXPO-CON/AGG helped Posillico to see how its innovative wet processing technologies could enable the business to accelerate the pace of change and reinforce its commitment to establishing a more sustainable future for Long Island.

"Both Posillico and CDE share a very similar commitment to innovation," he says. "Neither company is afraid to take a leap, neither company is afraid to push the boundaries of what's possible."

First-of-its-kind solution

Using its co-creation approach, CDE worked in collaboration with Posillico to understand its requirements and to design and build a wet processing solution that would enable the business to realise its sustainable and profitable vision.

Tassey continues, "We spent about a year and a half on the design. We have various laws and requirements that we have to meet here, and CDE was absolutely willing to help in making any adjustments we needed to the plant to satisfy our regulatory requirements."

After considering the Farmingdale site's smaller footprint (about 3 acres) and the customer's requirements, CDE proposed a tailored wet processing solution to efficiently process incoming contaminated material to produce high-quality washed construction sand and aggregates, all happening in a built-up urban location situated close to the source material.

Installation, Tassey says, was very simple due to the fact that the plant was assembled and subject to factory acceptance testing, "and most of the pieces are modular so it made the install go quickly and efficiently."

A first of its kind in North America, Posillico's new recycling system incorporates the R2500 primary scalping screen feed system, AggMax portable logwasher, M4500 with integrated Attrition Cells, CFCU for density separation, EvoWash™, and full closed-circuit water recycling with the inclusion of an AquaCycle™ thickener and PlatePress.

Michael J. Posillico, Posillico Inc. Principal, says, "When I visited CDE I knew I'd picked the right company to work with and I could see that from the design floor, to the people that were testing the equipment, to the people that were in charge."





"This is the largest soil wash plant in the world," he adds. "Not only is it the largest but it's the most sophisticated plant."

Thomas Posillico says, "This is really a one-of-a-kind operation that can take so many different varieties of soil and run it through the same plant. Nobody is doing anything like this on Long Island or in the US, that I know."

Maximising material, minimising impact

One of the largest and most advanced contaminated soil washing facilities in the world, the wash plant boasts a high material recovery rate. Posillico can now reduce the unsuitable content in the raw material to approximately 10% on average, with the remaining 90% being diverted from landfill.



The Farmingdale facility has the capacity to recycle up to 3,000

tonnes of soil per day while simultaneously recovering high value recyclable and saleable products, such as sand and aggregates, that meet NYSDEC remediation standards.

Posillico is now producing a range of materials, including concrete and mason sands, and three different aggregates: ¼" – 5/8", 5/8" – 1 ¼", and 1 ¼" – 4".

As a vertically integrated operation, over 60% of the certified sand and aggregates recycled are used by Posillico Materials in asphalt production with the remainder sold directly to the market.

Within its first few months of operation, the plant processed over 65,000 tons of contaminated soil from the 12-acre Harbor Isle brownfield site. Formerly a Cibro petroleum storage facility, the site had been contaminated for decades and was subject to a major remediation project. Fuel and oil had contaminated the soil and groundwater and Posillico set out on a 20-year journey to return the land to good use.

Now, the site will soon become a multi-million-dollar luxury apartment complex.

Due to the variable nature of contaminated soils, the Posillico wash plant can accept a wide variety of feed material.

Robert Tassey says, "We can now feed ourselves with not only contaminated material but our unsuitable fill from jobsites that's left over, our excavation waste, our drilling spoils."

As well as processing material from its own operations, the plant is available to process material from other local construction and engineering companies which lowers the cost of waste disposal, diverts valuable material from landfill, and lowers carbon footprint due to reducing the need for transporting material off the island.

Feed material the advanced contaminated soil washing plant can process includes, excavation waste, recognisable and uncontaminated materials (RUCARBs), contaminated fill, dredge waste, mixed loads, and more.

"You name it this CDE plant can process it," Tassey says.

He continues, "With population expanding our infrastructure is getting old. The emphasis has to be on rebuilding and investing in our infrastructure."

"With that there's going to be a ton of material that needs to be processed and it needs to be processed responsibly and efficiently, and the way to do that is to recycle it through a plant like ours."

Customer for life

Every CDE project benefits from its customer for life model, which ensures transparent and effective communication from the beginning of the project until commissioning and unrivalled after-sales support.

Sean O'Leary, CDE CustomCare Manager, North America, says, "Where the project ends, that's where CustomCare comes in. What we do is we maintain that relationship with the customer, through parts, through service, through technical advice, and just overall operation of the plant."

One of the challenges with Posillico, he says, is that the material coming in is constantly changing.

"It's never a steady feed material, so you're always making adjustments to the plant to make sure you get the requirements you need."

The beginning of something really important

Commenting on the success of the plant, Michael J. Posillico says, "We believe in a sustainable future and with our partners at CDE we are uniquely positioned to ease the burden on virgin materials in the tri-state area through our wash plant."

"We are looking at every aspect of our operation to see where we can minimise our environmental impact and reaffirm our commitment to sustainability on Long Island. These are attributes that are reflected in the very design of the plant, too, which operates all-electric drives and recycles up to 90% of the process water we use. Not only that, but we collect and recycle 3.6 million gallons of stormwater annually to maintain our top-up water supply."

He concludes, "What we have here is the beginning of something really important," referencing Posillico's leadership in contaminated soil washing for North America.

For more information about CDE wet processing solutions, visit CDEGLOBAL.COM

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Clady Quarries - Quarry sale to be held on the 19th August 2021, at Clady, Co Armagh

Since the mid '80s, Clady Quarries has operated as a successful quarrying business based in Clady, County Armagh, specialising in quarrying, ready mix concrete, the manufacturing of concrete blocks and siteworks



Due to a bereavement, and company restructuring Euro Auctions has been invited to catalogue all assets and then conduct an unreserved off-site quarry auction on behalf of Clady Quarries at the Blackquarter Road, depot in Clady, Co Armagh on the 19th August.

The nature of the business is reflected in the lots for sale, which consists of a very attractive consignment of well maintained, good quality machinery, vehicles and equipment, that will go under the hammer in this one-day disposal sale.

Cathal Doherty, Euro Auctions 'Territory Manager' who is managing the sale, comments. "There is a good solid consignment of machinery at this sale, including: Loaders, lorries and excavators, plus trailers, screeners, and crushers. The highlight of the sale could be the two complete sand washing plants by CDE, which are catalogued, dismantled and are on pallets ready for transport. Drawings and photographs of the complete plants are available prior to the sale. All equipment is in good order and has undergone regular preventative maintenance through the duration of its life. There will be good buyer interest in many of the lots for sale with a number of big ticket items."

What to look for

This sale offers an eclectic mix of good plant and machinery including: Washing plants, commercial vehicles, loaders, crushers, screeners, excavators, generators, trailers and a good collection of ancillary items. Notable lots include:

2 x CDE Sand Washing Plants

CDE Sand Washing, Micro Filtration Plant, Feed Hopper, Feeder Conveyors, Feeding Binder & Screener, 2xScreeners c/w Wainan Pumps, Steel Sediment Tank, Pump, Concrete Sediment Tank, Pump, Filtration Press House, Water Storage house. Drawings are available.

Crushers - Various good quality items including: 2008 Metso LOKOTRACK LT 3054 Jaw Crusher. Various Finlay Supertrack's. 2007 Extec C12+ Jaw Crusher, Magnetic Belt.

Excavators - Multiple - Komatsu PC450LC-7E0. CAT 365B. 2007 Doosan DX30. Hitachi UH181 Face Shovel. 2000 Hitachi EX165.

Wheeled Loaders - CAT 966H, Komatsu WA480-6, Volvo L180

Commercial Vehicles - Volvo - FM400 / F12460 / FH12. DAF - CF85 / CF410. HINO - 3213 / 700. Scania - P340 / P380 / P420 / P114.

As well as the 'big ticket' items the general inventory includes the type of machinery, equipment and tools one would expect from a modern well-run quarrying, aggregate recycling and material handling business. If you are in these industries, this will be one sale not to miss.

Sale - 19th August

Viewing - 17th & 18th August

Sale Site - Blackquarter Road, Armagh, Co. Armagh BT60 2HD Northern Ireland.

To bid - Contact Euro Auctions: Euro Auctions HQ - Northern Ireland,

UK : Tel : +44 (0) 2882 898262

Email : info@euroauctions.com

Web: www.euroauctions.com

Multiflo® Mudflo™ pump and dredge unit before installation in Indonesia

Weir Minerals launches Multiflo® Mudflo™ Submersible Pump for large particle handling

Weir Minerals, global leader in the provision of mill circuit technology, dewatering solutions and services, has launched the new Multiflo® Mudflo™ hydraulic submersible slurry pump. Engineered for abrasive applications and large particle handling, the Multiflo® Mudflo™ pump features a hydraulically driven wet-end specifically designed to efficiently and safely reprocess and relocate tailings ponds, maintain water retention dams and manage slimes and sludge ponds.

The innovative solution combines the Warman® MGS pump-end, Multiflo® CB32 hydraulic cutters and ESCO® excavation teeth to provide efficient pumping of highly charged and abrasive slurries.

Weir Minerals' unique Ultrachrome® A05 chrome alloy impeller ensures high wear resistance and the specially engineered suction strainer minimises the risk of clogging by preventing large solids & debris from entering the pump. Drawing on decades of Warman® pump design experience, the Multiflo® Mudflo™ pump is capable of pumping between 150 and 1,200m³/h, up to 82m head.

The Multiflo® CB32 hydraulic cutters feature market-leading ESCO® Ultralok® tooth system to prevent premature breakage, avoid tooth loss and protect the integral locking system to ensure the continuous operation of the pump.

Engineered by the Weir Minerals dewatering pump experts in Australia, it is available for global customers from July 2021.

"The Multiflo brand is synonymous with high quality and long-lasting equipment. In designing the Mudflo pump, our dewatering experts drew from the very best Multiflo, Warman and ESCO technology and used advanced hydraulics to create an innovative and cost-effective new solution for mine dredging applications," Cameron Murphy, Director of Dewatering Weir Minerals APAC said.

Weir Minerals understands that success is built from enduring partnerships based on close collaboration and a mutual commitment to safety and technical excellence.

"It is not uncommon for sites to use a combination of pumps, shovels, excavators and trucks for dredging applications. When one of our long-time partners in Indonesia contacted us about developing a custom solution for the slurry build-up in their sumps, we knew we could provide a better solution," Geoff Way, Weir Minerals Dewatering Specialist said.

"We're problem solvers. We considered our customer's pain points and engineered a new solution to efficiently and safely manage their site processes," he said.

The Multiflo® Mudflo™ pump can also be retrofitted to competitor OEM equipment; the quick-hitch plate attachment ensures convenient installation and removal from hydraulic excavators.

The Multiflo® Mudflo™ pump can be assembled on land, eliminating the safety risks associated with assembling pumps over water. Furthermore, the new hydraulic hose management system reduces the risk of hose entanglement and trip hazards, all the while providing a reliable hose bend radius to ensure smooth oil flow.

The Multiflo® Mudflo™ pump will be available globally from July 2021. Discover more at <https://info.global.weir/mudflo>



Weir Minerals Multiflo® Mudflo™ 150 pump

Shillibiers increase their processing power

Based in South Wales, Shillibiers were originally founded in 1970 and from its early roots the company has prospered as a family business, and throughout expansion and growth has maintained strong family values.

The company offer a wide and varied range of services including recycling of soil, stone, concrete, brick, site clearance, skip hire, haulage, and crusher, screen, and plant hire. With over 87% of waste recycled the company offers a range of waste-disposal services, ranging from hook loaders for handling waste, tippers, and waste transfer stations for recycling.

Recently the company invested in two Keestrack machines, a B3 Mobile Jaw Crusher and a K4 Mobile Scalper Screen which have both been supplied by the sole UK dealer Warwick Ward who are HQ based in Barnsley, South Yorkshire, with depots in the Midlands (Alcester) and the South (Harlow).

Malcolm Corbett - Director, takes up the story, "Originally we started with several machines working on recycling operations in the yard and contract crusher hire with a excavator and operators. We already owned a Keestrack crusher which we had operated for 3-years, and we were ready to replace but when the local dealer relinquished their Keestrack dealership we were reluctant to acquire another without dealer backup.



"We went to the Hillhead show and talked to Keestrack and learnt that a new dealer had not been appointed, so we chose another manufacturer which was available from a local dealer. This new machine however proved to be unsatisfactory and after 18 months we were approached by Warwick Ward, we decided to invest again in a the Keestrack brand.

With Warwick Ward allowing a good trade-in on our existing machine we invested in a new B3 Mobile Jaw Crusher and with business picking up rapidly we simultaneously replaced our seven-year-old Keestrack Novum screen with a new K4 Mobile Scalper Screen which were both delivered in May/June."

Keestrack B3 Mobile Jaw Crusher:

Undeniably the most compact and high performing jaw crusher in the 30-ton class, the B3 offers a feed size up to 550mm (22"), with a feed opening of 1000 x 650mm (40" x 25.5" and offers a processing capacity of 280tph



The B3 specification includes a 4m³ feed hopper, a 3.7-metre-long vibrating feeder with scalper and a 71JCR jaw crusher with hydraulic management (gap adjustment and safety release system).



The B3 offers the best product shape possible, and the lowest fuel consumption in the industry and offers optional Hybrid drive, electric driven conveyors and magnet and plug out which are available for electric driven stacker or screen and an optional independent double deck vibrating pre-screen.

Keestrack K4 Mobile Scalper Screen:

The K4 offers unrivalled heavy-duty performance, compact transport and high productivity, safe service access, walkways and a liftable screen box is the first choice for contractors. Capable of processing up to 350tph the K4 features a standard heavy duty plate apron feeder and hydraulic folding hopper walls. A double deck screen box 4.200 x 1.500 mm (14' x 5') with a 6.3m² screening surface upper deck, 5,4 m² lower deck completes the specification.

The K4 is also available in a full hybrid version and has an extensive option list to configure to your option.

Tom Pope, Keestrack Sales Manager, Warwick Ward, commented, "Keestrack have been pioneers in the field of engineering for crushers and screens since 1988 and the quality and value that Keestrack products add to your business is apparent by securing Shillibiers back to the brand after a short sabbatical. With the cost of fuel constantly rising all companies are looking at their running costs and the whole product range from Keestrack provides the lowest cost of ownership in the industry, increasing profits for customers. That partnered with Warwick Wards national coverage and outstanding service, keeping businesses moving forward."

Efficient contract processing with a reliable brand:

All Shillibier processing contracts are supplied with a excavator and qualified operator eliminating any incorrect feed and subsequently no damage to the machines.

With both machines currently employed at two different sites Malcolm is highly delighted with their performance and the back-up that has been provided by Warwick Ward.

"With service now within reach It gives us great confidence that we will be well looked after by the Warwick Ward team. With the industry currently flat out we just cannot afford breakdowns which cannot be resolved quickly", said Malcolm.





Red Knight 6 Ltd and Simem build concrete partnership

London based distributor Red Knight 6 Ltd (RK6) have agreed a deal to become the new sales partner in the UK and Ireland for Simem, manufacturers of static and mobile concrete batching plants.

The Simem headquarter is based near Verona (Italy), with further sites globally; SimemAmerica, SimemIndia, SimemRussia and SimemDeutschland subsidiaries and the SimemSpil and SimemUnderground expertise plants. The Group is a world leader in ready mix and precast concrete solutions and are currently involved in numerous large-scale projects around the world, including Crossrail in the UK and other bridge and tunnel projects.

The partnership will see RK6 offer the full suite of concrete batching products to the UK and Ireland markets, including the innovative Bison, a mobile batching plant that can be set up inside 4 hours and is ideal for smaller working sites.


"The UK and Ireland are important markets for Simem given the many major projects that are either live or in the pipeline, including HS2," said Damiano Bozzo, Sales Manager at Simem. "We have nearly 60 years' experience in concrete

production and have worked on some of the biggest projects around the world. We have a full support network ready to go and by partnering with RK6 we can access the whole market."

The Simem product range offers the maximum flexibility to customers, providing innovative and robust 'best fit' solutions and processes.


"In partnership with Simem we are able to offer full development, design, installation and commissioning and via the Head Office support functions such as Research & Development customers are very well catered for," said Paul Donnelly, Managing Director, RK6. "In addition to the UK projects, we already work closely with concrete producers throughout the UK and understand their requirements. This is an exciting development for RK6," finished Paul.

To find out more about Simem and their product range visit www.redknight6.co.uk




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