



MOBILE EQUIPMENT FOCUS



Metso Minerals Ltd Parkfield Road Rugby. CV21 1QJ Telephone: 01788 532100

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Terex® Mobile Processing Equipment (MPE) launch NEW Terex® Finlay C-1550 Tracked Mobile Cone Crusher.



The hydraulically adjustable feed conveyor allows the machine to be operated using either the innovative prescreen system or if required by feeding directly into the cone.

Key Features:

- Terex® 1300 Cone Crusher
- Pre-screen system for fines removal
- Fully Hydraulic CSS Adjustment
- Direct Drive
- Hydraulic Tramp Relief System
- Automatic metal detection and automated purge system
- 8m³ (10.4yd³) hopper capacity as standard

The Terex® Finlay C-1550 is the latest addition to the Terex® MPE range of tracked mobile cone crusher range. The Terex® Finlay C-1550 is the largest cone crusher launched to date by Terex® MPE and joins the successful and proven Terex® Finlay C-1540 & C-1540RS models.

The Terex® Finlay C-1550 incorporates the Terex® 1300 cone crusher driven by direct drive. The machine features an innovative optional pre-screen module with a single deck 2.45m x 1.52m (8' x 5') screen for removal of fines from the feed material. The integrated chute system, below the prescreen, allows the screened fines material to be discharged from the machine using the optional by-pass conveyor or reintroduced onto the main product conveyor. Both methods improve the plant throughput capacity, product flexibility and liner wear reduction. The cone features variable speed drive, hydraulic tramp relief system and ability to change closed side setting while crushing. The large hopper/feeder has an automated metal detection and a purge system to protect the cone and reduce downtime by removing metal contaminants from the feed belt.



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MATERIAL PROCESSING SOLUTIONS

The Terex® Finlay 694+ tracked screen features the largest screen box in its class. The NEW triple deck screen configuration provides three full sized 20' x 5' decks giving a combined screening area of 300 square feet. The screenbox features quick wedge tensioning on top and middle decks and hydraulic tensioning system on the bottom deck to minimize mesh change times. All 4 discharge conveyors are hydraulically operated for fast setup and transport ready times. The 4th product 'oversize plus' conveyor has variable tilt and side slew which offers multiple discharge points for recirculation of the oversize product with varying sizes and types of crushers in a closed circuit crushing spread.

Features:

- ▶ The all new triple deck 20' x 5' screen box is largest in class and has all round catwalk access.
- ▶ New screen box has quick wedge tensioning on top and middle deck, bottom deck hydraulic tensioning system and access holes to reduce time required for mesh change and set up.
- ▶ Bottom deck first mesh panel has 5° incline for improved capacity.
- ▶ Hydraulically adjustable 'Oversize plus' conveyor has variable tilt and side slew to accurately discharge materials for recirculation to crushers and for stockpiling.



Visit our **NEW** website
www.terexfinlay.com



Visit us at
Booth 140 (Gold Lot)



WORKS FOR YOU.™

The Metso Lokotrack/Lokolink system

The Metso Lokotrack/Lokolink system is now firmly established as an industry benchmark for an "in-pit crushing" and transfer conveying system, eliminating the need to transport material using trucks at any stage between the face and final product bins.

Worldwide Metso has sold well over 5,000 tracked crushing plants since it introduced the concept in the mid 1980's. The adoption of a Lokotrack/Lokolink conveyor system at a quarry in the UK has delivered savings of over 50% compared to the previous blast and haul methods.

The proven Lokotrack series features an extensive range of track-mounted crushing plants designed for quarrying and in-pit crushing applications. These plants are built around robust, high capacity crushers, feeders and screens, enabling them to process practically any rock or ore. Replacing the conventional dump truck fleet with a Lokotrack LT series primary crushing plant followed by a belt conveying system or with a complete mobile in-pit crushing plant, brings significant savings in production costs. It also significantly reduces the load on the environment. Indeed the large machines in the range can be configured to process with electrical mains power and move using diesel engine power. View Lokotrack animation:

http://www.metso.com/miningandconstruction/mm_crush.nsf/WebWID/WTB-100112-2256F-E7688?OpenDocument

The Nordberg LL Series mobile conveyors are designed to link mobile, primary crushing plants to further processing stages in quarries and mines. These mobile conveyors are able to follow the primary unit as it moves along the quarry face. Thanks to the excellent mobility, the conveyors can be easily moved to a safe distance from the face for blasting. The mobile conveying system achieves substantial savings in operating costs because it replaces dump truck haulage, reduces dust from wheel movements, significantly reduces exhaust gas emissions and improves work safety.

Metso also offers a complete range of tracked jaw, cone and impact crushers, from our bestselling Lokotrack LT Series allowing customers to choose the most suitable type of crusher to be applied for different rock type application. Each unit has the IC Automation package to control both process and engine management, this provides reliability, high production and performance. The common IC platform also enables backup with a world-wide service and support network.

Recent developments include the option of onboard screening after the crusher with closed circuit and product conveyors. Addition of the LT 7150 VSI to the range. "Wireless link" 2 & 3 stage units eliminating potential problems with cables on the quarry floor."

Today there are new exciting products being designed and tested to meet the new challenges of the Industry which will take Lokotrack and our customers to the next level.

Metso Minerals, part of Metso Corporation, is a global market leader in the rock and minerals processing industry. The company focuses on the supply and service of processes and related equipment. Metso Minerals provide sales and service units; dealers and distributors in 150 countries and more than 40 production units worldwide.



Metso Minerals Ltd Parkfield Road Rugby. CV21 1QJ
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Complete Utilities wash with DUO

January saw DUO (Europe) plc complete the installation of the award winning Powerscreen Aggwash and DUO Water Treatment plant for Complete Utilities, Gloucestershire, who required a processing solution for their utilities spoil. The deal was agreed towards the end of 2010 following successful trials of Complete Utilities clay bound feed material at the site of another of DUO's Aggwash and water treatment installations.

First Time Washers

The Gloucestershire based firm, who provide excavation, backfilling and reinstatement services to the utilities industry, will be venturing into washing for the first time having previously dry screened their material. The decision to begin washing was made because the required standard of product is only available for six months of the year due to the weather when dry screening, according to Complete Utilities Managing Director, Steve Chaplin. Achieving a high specification product is fundamental to Complete Utilities' business as they are not only the material producer but also the end-user.

Complete Utilities offer services that help utilities providers comply with environmental policy and recycling targets set by WRAP and other governing bodies. They offer a process through which utilities companies can reduce waste to landfill and ensure its reuse. This is an area in which significant progress towards recycling targets can be

achieved as this waste stream is one of the largest for utilities companies, thus making Complete Utilities a one-stop-shop for digging, backfilling and reinstatement.

Agreeing the Deal

Prior to agreeing the deal, Steve Chaplin also viewed the offerings of DUO's competitors but felt that they did not offer the same high standards or level of commitment to the project. He commented that "DUO is the only one in the market for what I want."

After viewing other DUO plants and having tracked the Aggwash since its conception, DUO is the obvious choice for Complete Utilities transition to washing. Steve Chaplin stated that "the deal to purchase was down to the commitment from DUO with the backing, support and the want to see this machine, as the first of its kind, being put together and made to work". He added that "the installation is the first of many to come."

The Installation

The two main components of the installation are the Powerscreen Aggwash, which was voted winner of the Series Innovation Category at the 2010 World Demolition Awards held in Amsterdam last November, and the DUO Water Treatment Plant.

The Aggwash provides for the first time rinsing, screening, scrubbing and sand washing capabilities on a single transportable chassis. Complete Utilities will be running the Aggwash at 50-60 tph to process their material for backfilling and remediation purposes.

DUO's water treatment solution perfectly complements the Aggwash, eliminating silt

and water being dispatched to a lagoon. The system is of compact size relative to its production levels which was a necessity in the design of the installation due to space restrictions on-site. This closed circuit system produces a very manageable end product, the low moisture content of which is vital to Complete Utilities in ensuring it is workable for blending as clean soils as well as any surplus being transportable to, and will be accepted by, landfill and tipping sites.

The water treatment plant is supported by a sludge tank, clarified water tank and a thickener system. Due to the height restrictions on-site a low level thickener was selected, the size of the site imposed its own restrictions which required careful planning from DUO to minimize the footprint of the installation.

Working Together

Throughout the project both companies have worked together to ensure its success. When asked about the relationship between Complete Utilities and DUO Steve commented, "Working with DUO is a very pleasant experience, they do what they say and I'd recommend it to anybody." He added "it will be demonstrated here and anybody that wants to see it work will be welcome."

DUO Sales Manager, Luke Talbot commented that he was "delighted with the installation and was sure the project would be a great success." Luke added "It's great to be able to offer such a comprehensive mobile system and we are looking forward to inviting guests to visit this site in the coming weeks and months."



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www.duoplac.com

www.hub-4.com/directory/928

JPE Aggregates to host demonstration days



JPE Aggregates are to host a series of demonstration day events at their site in Birmingham during February. The events are being organised following the installation of a new modular washing plant for construction and demolition waste material purchased from CDE Global in late 2010.

The new plant includes the M2500 mobile washing plant, AggMax attrition system and AquaCycle thickener and has a capacity of 100 tons per hour with the capability to produce 70 tonnes per hour of single washed sand.

"We are hosting these demonstration day events to show our customers the quality of recycled materials that this new plant is able to produce" explains Steven Birch, Managing Director of JPE Aggregates. "The specification of these materials has greatly increased the range of projects to which we can supply material."

Representatives from CDE will also be present at the series of demonstration days and visitors will include construction and demolition waste processors from throughout the UK as well as a number of international visitors. *"The new washing plant set up at JPE Aggregates has attracted a lot of interest from UK processors as well as from operators in many European markets" explains Terry Ashby, Director of CDE operations in the UK market. "A number of C&D waste processors from some major European markets have confirmed they will be visiting and we will also be welcoming many of our international distributors to JPE."*

Visitors will witness material being processed through the M2500 mobile washing plant which includes feeding, screening and sand washing on a compact chassis. The sand washing element is achieved through the integrated EvoWash sand plant and an integrated 9m conveyor stockpiles this material.

The aggregate material is delivered from the M2500 to an AggMax attrition system which includes a RotoMax RX80 Logwasher and double deck rinsing screen. Once the aggregate materials have been scrubbed they are then given a final rinse on the double deck screen and classified into the required aggregate sizes. This stage also allows for any -5mm material to be recovered from the recycled aggregates and returned to the EvoWash to ensure maximum sand production.

As is the case with many construction and demolition waste processors the issue of space available on site to accommodate the new washing plant was critical for JPE Aggregates. This has been addressed on the new plant with the inclusion of the AquaCycle thickener which allows for recycling of 90% of the water used in the washing process.

Waste water from the plant containing the minus 63 micron material is delivered to the AquaCycle thickener where the dosing of polyelectrolyte forces the sludge to settle and the recycled water to be returned to the washing plant. The sludge is subsequently pumped from the thickener and the specification of the AquaCycle system greatly reduces the volume of waste material to be handled by JPE Aggregates while also minimising the use of fresh water.

The demonstration events will be hosted during the week beginning 28th February and those interested in visiting the site can register for further information at <http://www.cdeglobal.com/section/Eventscalendar>

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BedRock Announces: AggFlow with Terex Finlay Track-Mounted Equipment

BedRock Software, LLC (BedRock) is pleased to announce the addition of Terex Finlay Track-Mounted (mobile) equipment to its AggFlow simulation program. BedRock, working with Terex Finlay engineers has developed and introduced the complete Terex Finlay line of track mounted crushing and screening equipment. "The addition of Terex Finlay mobile equipment to AggFlow, along with our recent expansion in the wash and water simulation capabilities of the program, are important steps for the benefit of our customers and the industry globally" said Robert Teller, Managing Partner of BedRock.

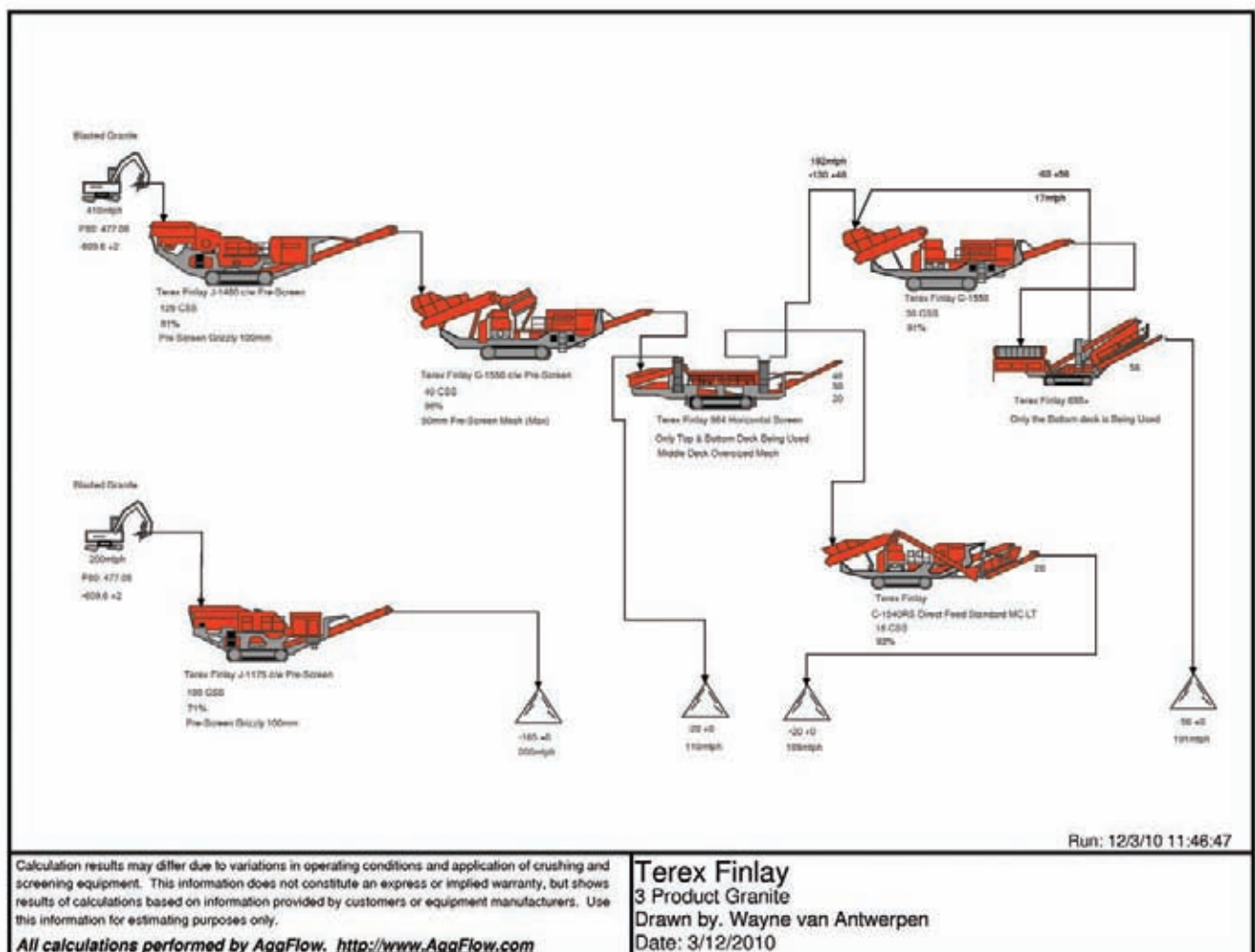
AggFlow is used by aggregate producers, equipment manufacturers and dealers in more than 90 countries to simulate aggregate and mining operations. AggFlow users can calculate mass aggregate and mass water balances flowing through a plant simulation using both stationary and mobile equipment. Thus optimizing and maximizing production of desired products.

Wayne Van Antwerpen, Terex Finlay's Product Support & Training Manager summarized the development by saying "We always need to recommend the best possible plant layout for our dealers and customers. AggFlow helps us

achieve this. AggFlow is a valuable tool that is fast and easy to use. For many years the program has played a key role in our business. Now, the inclusion of our mobile equipment range in AggFlow will benefit our dealers and customers time and again with accurate machine layouts and calculations."

AggFlow simulations help improve profitability by identifying inefficiencies and bottlenecks; by accurately assessing the impact of proposed changes or new equipment before they are made; and by reducing plant down-time and production errors. The program is popular because it provides quick access to technical data; the ability to conduct unlimited "what-if?" scenarios, accurate unbiased answers and it is easy to use.

Users can select from the pre-populated equipment data library or install their own equipment models in the program using the generic equipment application. Currently, the program provides calculations for more than 4,000 models of aggregate crushing, screening and washing equipment. BedRock is constantly adding to the data library and will add equipment upon request. For more detailed information visit AggFlow at: www.aggflow.com





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Riverside Machinery Ltd launches the Optical Belt Scale System and Sensor Track.

The Optical Belt Scale System for discharge conveyors measures the volume of material being discharged from a conveyor belt using electro-optical technology and then transmits these measurements directly to a hand-held computer unit.



The system operates without direct contact with the material being conveyed, whilst being insensitive to any dust and vibrations created ensuring no wear to the system.

Measurement is possible at any conveyor gradient, even if the machine or conveyor changes its angle or moves during operation the system does not need to be recalibrated.

The measurements are taken automatically and stored; these can then be sent via the Bluetooth wireless transmission.

This system can be used in a variety of applications:

Construction trade and building material industry

- mobile and stationary conveyor belts
- crushing and screening machines
- for very short, foldable, ribbed, Chevron and pivoting belts
- for grit, sand, cement, gravel, stone



Timber industry

- mobile and stationary wood shredders
- high and low speed shredders
- trommel screens
- production of wood chips
- biomass processing

Waste industry

- waste processing
- recycling plants
- vvwaste sorting plants

As an optional extra this system can be fitted with Sensor Track. The Optical Belt Scale is fitted with a GPS device which keeps track of exactly where your equipment is located and notifies you of any movement.

For further information: Riverside Machinery Ltd, Unit J, Riverside Industrial Estate, Atherstone Street, Fazeley, Tamworth, B78 3RW Tel: +44 (0) 800 689 9024. Fax: +44(0) 800 471 5099. www.riverside-machinery.com



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