

Recycling Product Focus & RWM Preview

HU3TM
MATERIALS HANDLING | RECYCLING | QUARRYING

July 2009



For more information or to book an advertisement in the next feature please contact:
Linda Rainbow – 0845 680 0024 Linda.rainbow@hub-4.com www.hub-4.com

Become leaner and greener by visiting RWM

Throughout the three-day show **Recycling & Waste Management Exhibition (RWM)** show exhibitors will be showcasing the latest methods of sorting and handling construction and demolition waste for reuse and recycling. **Case Construction** will launch its new 21 and 24 tonne excavators as well as the 821EXRecycler and **Master Magnets** will exhibit new separation equipment that can remove the metal contaminants (ie nails) from wood waste, increasing the value of the recycled woodchip that is now used in playgrounds, pathways, gardens and parks.

Mogensen's stand will feature typical equipment selected from the wide range of standard and custom-designed machines, which have been supplied both to end-users and OEMs in the recycling industry for processing various materials including used tyres and rubber; miscellaneous scrap glass; wood waste, bone meal and other biomass materials; domestic, commercial and industrial waste; composted materials; aerosol cans; scrap metal; recycled concrete, aggregates and plaster board; and mixed textile and plastic waste.

EH Hassell & Sons, sole distributors for Sennebogen cranes and material handlers in the UK will exhibit the Sennebogen 825M 'D' Series Material Handler. Also being exhibited will be an 821M 'C' Series Material Handler and a 305 Multihandler.

Other major names in vehicle and plant technology include Mercedes-Benz, Isuzu, WCR, Liebherr, Manvik Hire, Terex, Hammel, Broxap and Continental Plant Services.

Also exhibiting at RWM will be compliance companies, consultants and waste management contractors who can advise on legal obligations. Site Waste Management Plans for example force construction companies to detail the amount and type of waste that will be produced on projects worth more than £300,000 including how it will be recycled and disposed of.

Gerry Sherwood, RWM's event manager, urges construction companies to send their staff to the show: "New targets and regulations have made it more important than ever to establish an environmentally sound waste strategy, not only to manage costs and reputation, but also to minimise the impact of stringent new legislation and demanding recycling targets on business processes. Landfill disposal costs are increasing and times are tough for all industries, but particularly those in the building sector. RWM is designed to help you stay up to date with the latest regulation and technologies, which could ultimately make a crucial difference to your profitability."

Miller Homes, Wates and the Waste & Resources Action Programme (WRAP) will reveal how waste management costs can be cut and efficiency improved on the building site.

According to the Department for Environment Food & Rural Affairs (DEFRA), the construction sector accounts for 32% of all the waste produced in the UK - that's over 100 million tonnes of waste each year. But a staggering 90% reduction in construction waste could be achieved through more modern working practices and off-site manufacturing. An entire day of free seminars at RWM on 16 September will address this issue. In the Business Seminar Theatre, Stephen Wielebski, divisional development director for Miller Homes will give a developer's perspective on construction waste and the issues with recycling, Paul Elliot, supply chain manager for Wates will present a case study on achieving the holy grail of zero waste and WRAP's programme manager for materials recycling, Mike Falconer Hall will examine the roles each part of the construction supply chain can play in meeting government targets to halve construction waste to landfill by 2012.

The RWM, taking place at the Birmingham NEC from 15 to 17 September 2009. Register now at www.rwmexhibition.com/epress2 for free fast-track entry and seminar updates.

 www.hub-4.com/whatson

recycling & waste management exhibition

rwm

INFORM IMPROVE INSPIRE

www.rwmexhibition.com

15-17 september 2009 • NEC Birmingham



Recycling industry is weathering the economic storm



Forklift mounted magnets from the MasterSweep range, Master Magnets recently launched range of magnetic sweepers, the MasterSweep,

Having seen an upturn in demand Adrian Coleman, managing director of Master Magnets is looking forward to RWM.

"Although the global economic downturn has undoubtedly had a negative impact on many of our main market sectors, our orders indicate that the Recycling Industry is weathering the storm well. We will again be exhibiting at the RWM show in September and very much hope that the recent upturn we have seen in the demand for our Magnetic Separation and Metal Detection equipment continues. RWM08 was such a great show for us that we have opted for a larger stand this year as we firmly believe that the show will still attract significant interest."

Visitors to the show can find out more about Master Magnets will be showing the Eddy Current Separators are one of the most widely used types of magnetic separation equipment in the world today and are being increasingly used in various industrial applications for the separation of non-ferrous metals, such as aluminium and copper, from various types of product.

Applications that often call for Eddy Current Separators include the separation of aluminium from crushed glass, the removal of non-ferrous metals from shredded wood and for separating aluminium beverage cans from steel cans and dry non-metallic materials.

In 2006, Master Magnets introduced a Eddy Current Separator system known as the 'Can Sorter'. As the name suggests, the unit was designed specifically to deal with the sorting of used beverage cans (UBC) and consisted of a simple 122 mm diameter, 6 pole rotor, which could be manufactured with an effective belt width of up to 600 mm. The unit's compact design represented a much smaller investment than the higher specification machines in the range whilst still providing customers with an efficient separation of their product.

Demand for can sorting units that could handle high throughput rates became increasingly apparent as customers began to ask for two Can Sorters that could work simultaneously at separating their beverage cans. Master Magnets felt as though this was unnecessary and despite still being a cheaper alternative to purchasing a High Intensity ECS unit, could be avoided if a new 'mid-range' Eddy Current was introduced to fill this gap in the market.

Master Magnets wanted to produce an Eddy Current Separator that was tailor made for general recycling applications, the company determined the need for a unit with belt widths up to 1250 mm for handling larger throughput rates. This new machine, known as the 'R' Type, also had to have an increased level of performance compared to the Can Sorter, to provide optimum separation in general recycling applications. For this reason, the 'R' Type was designed with a 190 mm diameter rotor with 12 poles.

Visitors to RWM may also be interested in Master Magnets' MasterSweep range of magnetic sweepers designed to remove ferrous items such as nails, nuts and bolts and scrap iron etc from large areas, reducing foreign object damage to company vehicles. The range of sweepers includes forklift mounted magnets, which are simply attached to any forklift for the removal of ferrous objects from spaces such as floors, car-parks and loading bays. The MasterSweep range can help prevent the costly downtime associated with the repair or replacement of tyres as well as the cost of the tyres themselves, reducing the running cost of vehicles.



www.hub-4.com/directory/541

Recycling organic waste at RWM

Blue has partnered Wasteology Systems to provide a product that can tackle the growing issue of diverting organic waste away from Landfill.

Along with its partner BACKHUS, Wasteology has worked to develop an enclosed, agitated tunnel system for processing waste. This new technology ensures a low-cost, highly efficient MBT system for processing most waste streams including MSW, Green/Food, Sewage sludge, and is particularly suited to applications where odour and space are a constraint for waste processing. Wasteology has designed this breakthrough technology which optimises the bio-degradation of organic fraction within a known waste stream, through a controlled environment. The inclusion of the BACKHUS turner as part of the solution ensures the material is gradually moved up the tunnel whilst being agitated in the process. Additionally, the patented vessel design ensures optimum conditions by controlling the input of Oxygen into the mix, thus maximising the bio-degradation or bio-drying of material.

As the first fully ABPR compliant IVC system suppliers in the UK, Wasteology's system continues to fulfil all State Veterinary Service requirements.

David Dunbavand, Wasteology business development director comments "Wasteology are delighted to be working so closely with BACKHUS engineers to develop this new concept, and with BLUE to joint market and project manage installations in the UK. The system is simple by design, but effective. It keeps the waste processing environment to a minimum, reducing risk, capital costs, site footprint and ensures lowest recurring operating costs. We believe there is a huge requirement for such waste management systems as landfill targets (and penalties) rapidly approach. The opportunity to bio-dry waste for RDF purposes is now the hot topic for debate from potential MBT operators, and this system meets this challenge well"

Blue Central managing director, Pat McGeary, commented: "With the pressing issue of diverting organic waste from landfill, we recognised the need for a product to meet this growing demand. In Wasteology and our long term partners Backhus, we feel we have the combined expertise to continue to offer our customers the very best technology currently available for organics recycling"



www.hub-4.com/directory/2260

Greenview to unveil new organics technologies

Organic material refinement provider Greenview builds and operates systems to suit all bio-wastes, budgets and tonnages across the public and private sectors.

With four new plants scheduled to open in the next twelve months, visitors are invited to see some of the latest proprietary technologies. Systems on display will include the GV Tolle, a pulveriser adapted by Greenview to take organic waste. Significantly quieter than other products available and with a grinding capacity of between 15 and 50 tph, the GV Tolle can dramatically accelerate the composting process, reducing green matter to small 12 mm output particles. Also on show will be a brand new, modular construction system that can be used to create scaleable maturation bays. Alfa Wall's series of prefabricated concrete blocks are easy to assemble and highly durable enabling the fast and efficient construction of robust organic recycling facilities.



www.hub-4.com/directory/12018

mettron

Mettron Weighing

504 The Avenue, Kidsgrove, Stoke-On-Trent, Staffordshire ST7 2UP

Tel: +44 (0) 1782 816730 Fax: +44 (0) 1782 801206

Service +44 (0) 7966 364701

Email: mettronweighing@aol.com

NEW
seminars added
hear from INCOPEN, Lloyds/TSB,
WRAP and Wales

Cut your costs and improve efficiency



Achieve all this at RWM 2009:

- See leading speakers from **Marks and Spencer, Miller Homes, Viridor, NuLeAF, AEA** and many more
- Preview the next wave of **recycling and waste management technologies**
- Find out about the **new legislation** that is relevant to your organisation
- Hear from the experts sharing real-life **case studies and unique insight**
- **See the future** of recycling and waste technology

Join us at RWM, the leading event for the recycling and waste management industry

recycling & waste management exhibition



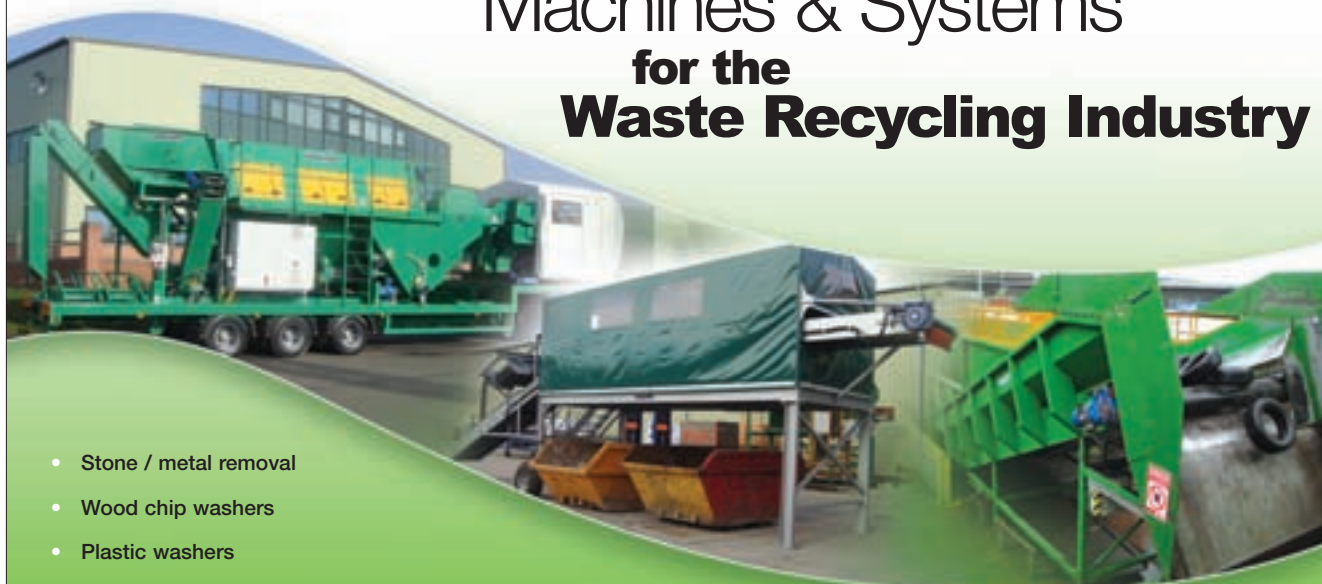
15-17 September 2009 • NEC Birmingham

Media Partner



REGISTER NOW for FREE entry at
www.rwmexhibition.com/hub
quoting Priority Code: hub

Manufacture of Machines & Systems for the Waste Recycling Industry



- Stone / metal removal
- Wood chip washers
- Plastic washers
- Peat & compost grading systems
- Trommel barrels, screen & separators
- Picking stations fixed & mobile
- Water recycling
- Sludge de-watering

Haith
group

Head Office
Cow House Lane
Armthorpe
Doncaster
DN3 3EE
United Kingdom
T: 01302 831911
Int: +44 1302 831911
F: 01302 300173
Int: +44 1302 300173
E: sales@haith.co.uk

www.haithindustrial.co.uk

Haith Industrial exhibit at the forthcoming RWM show

First time exhibitors Haith Industrial have extensive knowledge and expertise in manufacturing machines and systems for the Waste Recycling Industry.

Part of the Haith Tickhill Group the company are widely recognized as for the supply of water processing equipment and are the only UK Company that can offer a full turnkey service.

As a forerunner in design and technology the group has won many awards for quality innovation and is constantly launching new products. They can supply a wide range of products including stone and metal removal equipment, wood chip washers, plastic washers and peat & compost grading systems. Trommel barrels, screens & separators are also included in the range alongside fixed & mobile picking stations.

Within their portfolio is also a full range of solutions for water recycling and sludge de-watering. Haith Industrial can be found in Hall 17 on stand 704 where you are assured of a warm welcome.

Further information:
Haith Industrial Ltd
Cow House Lane, Armthorpe
Doncaster DN3 3EE
Tel: 01302 831911
Fax: 01302 300173
Email: info@haithindustrial.co.uk
Web: www.haithindustrial.co.uk

 www.hub-4.com/directory/373





Hassells exhibit new Sennebogen Green Line machines at the RWM show

E.H.Hassell & Sons Ltd, the sole distributors for Sennebogen Cranes and Material Handlers in the UK will feature Green Line material handling machines from the Sennebogen extensive range at the forthcoming RWM exhibition at the NEC in September.

On show will be the new Sennebogen Green Line 825M 'D' Series Material Handler accompanied by a Green Line 821M 'C' Series Material Handler and a 305 Multihandler.

Sennebogen Green Line 821 - A favourite for the metal recycling industry with a great combination of power and speed packed into a compact 22t machine. Load sensing hydraulics, low noise and emissions from a 104kW Deutz engine -great operator comfort.

Sennebogen Green Line 825 - Latest D series machine with MaXcab and a host of great features. A 28 t machine featuring a 135 kW Deutz engine with great reach and lifting power; fast cycles and precision handling with easy access for routine servicing.

Sennebogen Green Line 305 Multihandler - Pure Power in an 11.5t Multihandler with impressive reach, lift and stunning maneuverability from 2 wheel, 4 wheel and crab steer options, the driver gets a safer 4m high view point from the hydraulically elevated cab. Greater visibility also means efficiency and volume gains when loading.

Sennebogen are German manufactured machines designed for a specialist environment. Sennebogen's 57 year heritage in Material Handlers shows clearly in the robust and practical construction of their machines.

Hassells extend a warm welcome to all visitors to view these Sennebogen products and enjoy some hospitality in the outside arena on Stand No. OA111.

Further information:

E. H. Hassell & Sons Ltd, Alderflat Drive, Newstead Ind. Estate, Trentham, Stoke on Trent ST4 8HX Office: 01782 644299 Fax : 01782 657255 Email: info@hassells.com Web: www.hassells.com



Mentor Training join forces with SERAC UK at the RWM exhibition

Mentor Training will be exhibiting for the first time at the RWM show, held at the NEC from the 15th to 17th September 2009.

Mentor is the UK's leading provider of training and associated services for all types of materials handling equipment and workplace transport. Their experience, size and structure ensure the most professional and cost effective support for every type and size of business.

Exhibiting in hall 17 Mentor will share stand 550 with SERAC UK to promote mobile plant training skills and related NVQ's and SVQ's in the recycling and waste management industries.

SERAC UK has delivered learning and NVQ assessment services across the UK for a wide range of clients and sectors, including recycling and waste management.

With the combined knowledge and expertise of both Mentor Training and SERAC UK you can be sure that your operators are fully trained and tested in the safe and efficient use of the equipment.

Please visit us on stand 550 in hall 17 where you will receive a warm welcome.

Contact: Mentor FLT Training Limited, Burley Close, Turnoaks Business Park, Chesterfield. S40 2UB Tel: 01246 555222 Email: Emily.gregory@mentortraining.co.uk Web: www.mentortraining.co.uk



www.hub-4.com/directory/6755

A host of waste solutions from DUO at the RWM exhibition.



A long time supporter of the RWM show DUO Manufacturing (LJH) will be exhibiting on stand OA208 where they will display the latest version (model 1206) of their 6 bay mobile picking station which has been very successful with the waste industry.

This year they will also be joined by DUO Equipment who with Binder will together exhibit on a second stand - 428 in Hall 17.

DUO Equipment has considerable expertise in washing recycled aggregates which provide added value and eliminate the need to send to landfill.

DUO are the UK agent for Binder who offer complete solutions for the separation and sorting of bulk materials and recyclables. On show will be a wide range of glass recycling technology.

Further information:

DUO Manufacturing (LJH) Mendip Works, Leigh Road, Chantry, Nr Frome Somerset BA11 3LR Tel: 01373 836451 Fax: 01373 836879 Email: sales@ljhgroup.co.uk Web:www.duomanufacturing.com



www.hub-4.com/directory/513

www.hub-4.com

The World's largest manufacturer of Motorized Pulleys with an extensive range of diameters up to 800mm, and up to 132kW of power output.

The major UK manufacturer of quality rollers and troughing sets.

Component suppliers to all quarrying and mining conveyor applications.



Rulmeca UK Ltd

Brunel Road
Earlstrees Industrial Estate
Corby
Northants NN17 4UX
Tel: +44 (0)1536 748525
Fax: +44 (0)1536 748 535
Web: www.rulmeca.com
Email: uk@rulmeca.com



MASTER MAGNETS LTD

Incorporating Integrated Recycling Systems Ltd
& Metal Detection Ltd

Exhibiting at RWM09 on Stand 946



Eddy Current Separators



Overband Magnets



Drum Magnets



Metal Detectors

Please contact us now for your complimentary tickets:

Master Magnets Ltd, Burnt Meadow Road, North Moons Moat, Redditch, Worcestershire B98 9PA

Tel: +44 (0)1527 65858 Fax: +44 (0)1527 65868 Email: info@mastermagnets.co.uk

Web: www.mastermagnets.com

We look forward to welcoming both new and existing customers at the RWM 2009 Exhibition and we hope to see you there!

Weighbridges

from Europe's leading manufacturer



- surface & pit-mounted versions
- driver-operated systems
- SafeWeigh radiation detection systems
- solar-powered versions
- automatic number plate recognition systems
- single and multi-site weighbridge software
- wheel washers

0800 019 77 19

www.weightron.com

WEIGHTRON **BILANCIAI**
INDUSTRIAL WEIGHING SPECIALISTS **GROUP**



Weighbridge management system streamlines weighing at leading metal reproprocessors

A 15 metre Eurodeck surface weighbridge and Safeweigh radiation detection system, installed by Weightron Bilanciai Ltd, is playing a pivotal role for Van Dalen Metals Recycling and Trading at their steel reprocessing plant at Hartlepool Docks.

The robust Eurodeck weighbridge is specifically designed for operation in such harsh environments and is fitted with Weightron's own fully weld-sealed stainless steel rocker pin load cells, which provide excellent performance and reliability. The concept provides an effective energy restoring system, which ensures the weighbridge deck returns quickly to equilibrium after the vehicle has driven onto the weighbridge. This design, together with the proprietary built-in end stops, prevents potential damage caused by vehicle braking.

However remote the chance maybe, Van Dalen recognise that it is essential that radioactive material doesn't enter their reprocessing chain. To prevent this happening, the Safeweigh radiation detection system is installed at the entry to the weighbridge. As the loaded vehicle passes through the large detector plates, positioned each side of the weighbridge, it is scanned for traces of radioactivity.

As Van Dalen's Regional Manager, Ian Baxter concludes: "Prior to the Weightron installation, we used the port weighbridge at the Hartlepool export terminal. This procedure was somewhat inconvenient and weighing data had to be manually entered into our system. The Weightron D800 weight indicator records all weighing transactions and interfaces with our management software, enabling fast and efficient processing on site.

Weightron Bilanciai Ltd
Titan Works, Bridge Way, Chesterfield
Trading Estate, Chesterfield, Derbyshire
S41 9QJ Tel: 01246 260062 Fax: 01246
260844 www.weightron.com
sales@weightroncb.co.uk

 www.hub-4.com/directory/2273

Springmasters Ltd / Valley Spring are the leading and most diverse manufacturers of springs in the UK. We offer a comprehensive range of compression, extension, torsion and flat metal springs.

Springmasters Ltd, Arthur Street, Lakeside, Redditch, Worcestershire B98 8LF

 www.hub-4.com/directory/7358



Valley Spring
Valley Spring is a member of the Springmasters' Group

SPECIALIST PRODUCER OF MEDIUM AND LARGE DIAMETER COMPRESSION, EXPANSION AND TORSION SPRINGS.



Pottery Lane East, Chesterfield, Derbyshire S41 9BH
Tel: +44 (0)1246 451981 Fax: +44 (0)1246 454327
E-mail: sales@valleyspring.com www: <http://www.valleyspring.com>



Visit us at
RWM 2009
Hall 17
Stand 714

DUST EXTRACTION & WASTE MANAGEMENT
Design and manufacture in-house

- Service and Spares
- LEV Testing
- ATEX QA EN13980
- ISO9001:2000



Dantherm Filtration

www.danthermfiltration.co.uk
Tel: 01132 739400

Dantherm dust and waste management

Dantherm have specialised in the design, manufacture, installation and maintenance of dust extraction and waste management systems for over 50 years. Locally situated in UK Dantherm Filtration Ltd has the backing of Dantherm's long established design and production centres in Denmark, Germany, Poland, France and other locations. All significant components of their installations, including space saving cyclonic and conventional bag and cartridge filters, versatile Nordfab ducting, Combifab fans, air knives, mechanical and static separators, cyclones, rotary valves, conveyors and customised controls, as well as specialised hoods and enclosures are manufactured in-house, with ISO9001:2000 and ATEX EN13980:2002 quality assurance as appropriate. All products for use with potentially explosive materials have been externally tested and certified and carry ATEX EC Type Examination certificates where necessary.



Because of Dantherm's comprehensive control over the design and manufacture of products and accessories, their experienced design and project engineers can be sure to deliver cohesive, appropriate, economic dust and waste management installations that are long lasting and have low maintenance requirements. Dantherm's own control panel design and production centre can produce dedicated controls to exacting requirements, either as stand alone systems or to be integrated into the client's control installation. Variable speed drives with modulating inputs may be included to optimise energy efficiency regardless of production throughput.

As well as dust extraction at all stages of mineral production and handling, successful applications include dust extraction and material separation for material recycling facilities (MRF) and municipal waste transfer stations and flue gas cleaning for biomass fired boilers and incinerators. The company offers comprehensive servicing, LEV testing for compliance with COSHH regulations, planned maintenance packages and readily available spares. Indeed, Dantherm filter units with more than thirty years service are regularly maintained by the company. An early stage consultation will enable Dantherm's experienced engineers to design equipment and controls with minimum energy consumption, good access for maintenance and long service life to minimise depreciation and therefore lifetime costs.

Visit us in Hall 17 stand 714 for an informative chat with our engineers. Dantherm Filtration Ltd., Limewood Approach, Seacroft, Leeds LS14 1NG Tel: 0113 273 9400 Fax: 0113 265 0735 Dantherm NFV Rotary Separator www.danthermfiltration.co.uk

 www.hub-4.com/directory/6866

Equipment for the Recycling Industry

Ruttle Plant specialise in all aspects of construction and waste handling equipment

Founded in 1958 our experience and expertise is second to none offering a wide range of services from any of our five branches throughout the UK.

Some of our current clients include Waste Recycling Group, Viridor Waste Management, Mersey Waste and Greater Manchester Waste. We can supply the machines with complete maintenance support including all tyre maintenance.

With our depots ideally located and our highly skilled and experienced personnel, we feel we can offer you an excellent service with a complete supply and maintenance package at a more than competitive price.

Depots in Chesterfield, Derbyshire - Lichfield in Staffordshire



Lancaster House,
Ackhurst Road,
Chorley,
Lancashire UK

Tel: +44 (0) 1257 266511
Fax: +44 (0) 1257 260625
E: sales@ruttleplant.co.uk
www.ruttle.co.uk



Weighbridges from Mettron

New Weighbridges 4m – 30m (ex-works), Digital indicator / printer system, trade approved.

8m – 50t £6,750

15m – 60t £9,500

18m – 80t £11,600

Global shipping and installation service available

For further details please call 07966 364701 or email mettronweighing@aol.com





SMULDERS WASTE TECHNOLOGY

Smulders designs, manufactures and supplies turn key systems and stand-alone machinery for the waste separation industry, such as:

- Feeders
- Trommel Screens
- Fines Screens
- Picking Stations
- Air-based Separations
- Magnets
- Waste Separators
- Conveyors

TURN KEY WASTE SEPARATION SYSTEMS



Visit us at RWM 2009
15 – 17 September 2009 ; Stand no. 386



Smulders Waste Technology is a part of Smulders Groep:

Smulders Waste Technology B.V.
P.O. Box 47, 5730 AA, Mierlo, The Netherlands
Tel. +31 492 664 885 Fax +31 492 664 695
Email info@wastetechnology.eu

UK representative:

Smulders Waste Technology UK
5, Selwood Crescent, Frome Somerset, BA11 2HX, United Kingdom
Tel. +44 871 200 3161 Fax +44 871 200 3161
Email info@wastetechnology.co.uk

www.wastetechnology.eu

Smulders Waste Technology B.V. (SWT)

SWT specialises in the development and manufacturing of machinery for the waste separation industry. Machines with different applications but one resemblance; all are the result of a passionate drive to offer the customer practical solutions. This is what distinguishes SWT from its competitors.

SWT has earned itself a strong position in the waste separation industry as a result of years of experience and proven to be a specialised manufacturer of turnkey systems and standardised stand-alone equipment like Feeders, Trommel screens, Fines screens, (Mobile) Picking stations, Air-based separations, Magnets, Waste separators and Conveyors

Innovation with practicality in mind

Our main goal is to create added value within our customers' supply chains by means of a constant focus on innovation with a practical application in mind. This is how SWT converts its customers' issues into result-oriented solutions.

Unlimited commitment to the customer


SWT supplies client-specific solutions. This requires insight. Our commitment to the customer and his position within the supply chain is limitless. As far as we are concerned, when we accept an order, we embark on an active co-operation in which the relation, a focus on the solution, and service are paramount.

Definitely a no-nonsense approach

SWT's way of working is distinctive for its flat organisation and no-nonsense approach. This requires flexibility, which benefits you as the customer. This enables us to deliver tailor made work with the highest quality as standard.

As good as our word

A collaboration with SWT means confidence in feasibility and delivery times. The basis for this reliability is the fact that virtually all parts are designed, manufactured and supplied in house. This is a guarantee for swifter operations without any concessions to quality. Quality that SWT can guarantee its customers. After all we have ISO standard 9001, version 2000 accreditation.

 [www.hub-4.com/
directory/2654](http://www.hub-4.com/directory/2654)

Sorting by Wind Sifting

Waste Recycling Technologies are pleased to announce that they have been appointed as the UK agent for CityEquip product range from Christophel and are to introduce their four new innovative air sifting plants to the UK market.

Steadily increasing quality requirements and the daily changing waste removal routes make the (construction and demolition waste) recycling industry helpless and even drive them to despair. In addition to a clean sort-ing, the solution of these should be energy-efficient as well.

CityEquip gives you two examples on air separation with the new Aircrawler 1600.

Application 1: Mobile recycling of construction waste directly at demolition site.
Feed size 25 – 60 mm

Feeding: Mobile crushing and screening plant

The problems:

- Too much time for the difficult contamination removal, increased costs and delays the demolition work.
- Insufficient job safety in manual sorting at the feed opening of the crusher.
- Quality requirements of the end product cannot be held due to arising fatigue of the staff when manual sorting.

Purpose: Fast and safe job by keeping the quality level of the mineral mix.

Solution: Through the hydraulic lifting cylinder, the diesel-electric Aircrawler 1600 can independ-ently change from transport to working position. The 1.600 mm wide main conveyor leads 160 TPH of the mixed mineral including the light material to the Westeria patented sifting drum. Light and heavy materials are cleanly separated now. Over the 800 mm wide conveyor the mineral is lead directly to the stockpile and the lighter materials are blown to the container set below.

Application 2: (example A) On a large recycling and compost ground
Compost separation to sort out plastic pollutions
Feed size 25 – 120 mm

Feeding: Trommel screening unit

Problem: Not decomposable plastics heap and reduce quality of the compost material

Purpose: Temporary use of air separation to improve quality.
Solution: The Self-driven AirCrawler 1600 is moved easily under the oversize conveyor of the compost screening plant. Individually variable distances of the conveyor and the air nozzles to the sifting drum allow exact separation of the feed material.

Application 2: (example B) Picking separation of minerals and light materials.
Feed size 25 – 80 mm

Feeding: Trommel screening unit

Problem: Due to problematic parts in the minerals the product can neither be deposited nor marketed.

Purpose: Production of fine minerals to achieve a clean mineral fraction for merchandise and of light material for incineration plant.

Solution: The Aircrawler 1600 can be flexibly combined with a Trommel. By controlling the amount of air, exactly the setting will be found which meets both quality requirements.



You do not always have to use a mobile plant to solve the problem. CityEquip recommends the AirMaster 1600 with diesel-electric or pure electric drive for semi-mobile and static applications. The AirMaster 1600 is the equivalent to container mobile applications. For medium and lower performances the smaller 1200 series can be used. Very low power consumption and quite good choices to optimize applications with all models make them a favourable alternative in air sifting.

For further information please contact Steve Hill of Waste Recycling Technologies Ltd



www.hub-4.com/directory/8857

www.hub-4.com

GO WITH THE FLOW.

Optimum protection for your conveyor system.

REMA TIP TOP

Visit us at RWM 2009
NEC Birmingham
Hall 19, Stand 1830



REMA TIP TOP ensures that your conveyor belt processes flow smoothly and swiftly.

Trouble free production processes, minimised downtimes and the longest plant life possible are the main principles of an economically sound operation. As your service partner, we not only offer you first-class products and optimum solutions for conserving, maintaining

and repairing your conveyor belt systems, but also expert advice and a worldwide service network.

Let your systems go with the flow – with REMA TIP TOP.

OUR SERVICE IS YOUR SUCCESS!

REMA TIP TOP INDUSTRY UK Limited
Pumtree Industrial Estate Harworth
Doncaster DN11 8EW United Kingdom

Phone: +44-0870 143 1600 Fax: +44-01302 711 990
Email: info@tip-top.co.uk
Web: www.tip-top.co.uk



REMA TIP TOP INDUSTRY UK Limited exhibit at RWM 2009

REMA TIP TOP INDUSTRY UK Limited has many things to talk about at this year's RWM exhibition at the NEC, Birmingham. The company makes its debut at RWM (Recycling and Waste Management) 2009 and for visitors attending the show REMA TIP TOP is located in Hall 19 - Stand 1830. REMA TIP TOP's team of industry experts will be on hand to discuss any of your requirements related to conveyor maintenance, wear protection and corrosion protection systems and applications.

REMA TIP TOP acknowledge that the 'Recycling and Waste Management' industry is without doubt becoming one of the most significant influences in the way we cultivate our resources in the 21st century and it is imperative that the industry has a significant service partner every bit as competent and experienced. While high-quality products continue to be an important or even indispensable element, they essentially go hand in hand with a professional and well-organised service.

The show gives the company an excellent opportunity to demonstrate the immense versatility and importance of REMA TIP TOP products and services in multiple industry sectors. REMA TIP TOP is historically associated with Quarrying and Mining where the rugged quality of the TIP TOP product range is well established and respected. However it is fair to say that the brand image is increasingly focused towards being 'a service provider' to cater for the needs and demands of any industry which operates and furthermore requires plant and machinery maintenance and protection solutions.

Every project which REMA TIP TOP undertakes, ranges from problem analysis, consulting, concept development to product installation and after-sales service. REMA TIP TOP provides all that from a single source!

For further information related to this article please contact Don Marshall at REMA TIP TOP INDUSTRY UK Limited on 0870 143 1600.



www.hub-4.com/directory/16

Phoenix Plant

SUPPLIERS OF NEW AND USED PLANT FOR ALL THE RECYCLING INDUSTRIES

Phoenix Plant located near Worksop Nottinghamshire, in the Heart of Robin Hood country, has found a niche in the recycling market. Through years of experience and hands on usage of shredding machines, Phoenix has been modifying, servicing and fault finding on most shredders available on the market today. Phoenix has specialised in some of the major brands like Hammel, Powershredder, Extec, and Hass. Phoenix can offer a range of services from new teeth fitted or being welded onto the original rotors, to totally modifying them by converting the course cut to a heavy duty shear cut to suit other applications. Phoenix has found that some of the OEMs, after warranty has expired, fail to support these machines. Phoenix can offer full service backup, problem solving, control panels, new or reconditioned diesel engines and complete overhauls at a fraction of the OEM prices that are being charged. Phoenix will also try to repair a part first rather than supply new. Phoenix has found that some customers, who have bought the common roll on or hook lift type machines, would now like the more mobile tracked units. Phoenix can now supply a tracked undercarriage, fit the appropriate hydraulic parts and remote control, service and simplify the controls to give a satisfied customer a tracked mobile machine without having to buy new. Don't give up on that old shredder yet let Phoenix give your machine a new life.

Phoenix Plant can also supply turn key Recycling Plants, Overband Magnets, Balers, Compactors, Picking Stations, Blowers, Generators, Hydraulic powerpacks, Feeders, Conveyors, Fabrications, Bagging systems, Control Panels, Service engineers.

Contact Phoenix Plant or view the web site for online upto date stock of machines and systems available.



Tel: 0870 143 0056

Tel: 0044 1909 726611

Fax: 0044 1909 722227

www.phoenixplant.com

A Wheely Good Solution from Airtec Filtration!

St Helens based dust and fume extraction specialists Airtec Filtration came to the rescue of leading tyre-recycling company Sitr with a recycled – or refurbished – solution of their own.

Sitr recycle up to 1,000 used tyres every hour, turning the processed rubber into eco-friendly chippings for use in children's playgrounds and gardens across the country. Their green thinking grabbed the attention of former pop star turned gardener, Kim Wilde, who commented on the regional TV programme Granada Reports, "it's fantastic to recycle products, especially in the garden...and it look(s) really good".

But even with their 'green' intentions, Sitr came up against one rather dusty problem. As a consequence of shredding, cutting, mixing and grinding tyres to produce the usable end product, large amounts of dust are created. Sitr called on the expertise of Airtec Filtration to design, supply and install two dust extraction systems that would be in-keeping with their own 'green' philosophy and also, capable of handling the vast amounts of dust generated during production.

Airtec installed two refurbished Donaldson filters; the main system extracting up to 6000m³/hr of dust-laden air and the second up to 4,500m³/hr. Both systems offer shaker filter cleaning to automatically remove dust from the filter bags on shut down, and twin collection bins to reduce the frequency of emptying the resulting waste. The dust-free air is then recycled back into the factory, helping create a much cleaner working environment.

Sitr were pleased to benefit from the cost savings of opting for refurbished equipment but with their own clear vision for being 'green', it only seemed right to do a little recycling of their own with the help of Airtec Filtration.

Airtec Filtration Ltd.
Tel: 01744 733211
Email: sales@airtecfiltration.com



www.hub-4.com/directory/42



Autoclave systems



Here is a typical large drum drive by Hagglunds. In this particular case it is one of several Bedminster 70m long 660 tonne Composting drums processing household waste, operated by SMRC in this plant. Each drum is driven by 4 Hagglunds drive motors. The hydraulic pressure balances inherently between the drives and so you get perfect load sharing between the motors without any tricky control problems.

Autoclaves for the processing of municipal solid waste into usable recycled materials are becoming necessary because of the increasing cost to use landfill for disposal.

Hagglunds Drives is involved in providing hydraulic drives for rotating the Autoclave drum both directly at the drum axis where the Hagglunds motor offers a large through hole for passing steam into the drum and alternatively via pinions acting on a girth gear or friction drive depending on the specific design of the autoclave.

However the autoclave drum needs to be driven, Hagglunds have a good and highly efficient solution to drive it with the very wide range of motors they offer that do away with the need of a gearbox. This includes the associated hydraulic systems to operate the auxiliaries and cylinders which may be used to tilt the autoclave body if required and, or, to operate the doors.

Accurate positioning of the drum to enable efficient door operation is also no problem with the proprietary control systems of Hagglunds which also give infinite speed control, start/stop logic and health monitoring.

Hagglunds have recently opened a new facility to build specialised hydraulic power units in the UK to enhance the standard modular power units from the Swedish plant. This means that the systems can be customized to suit exactly the requirements of the system.

For more information contact
sales@uk.hagglunds.com www.hagglunds.com

 www.hub-4.com/directory/372

The next in our Product Focus series will feature MRF's, Shredders, Conveyors & Ancillary Products.

Reaching industries both in the UK and overseas, Product Focus offers excellent value for money through the combination of both website and magazine advertising.

Each product Focus is shown as a page turning magazine on the HUB website and is also featured in the quarterly magazine.

For further information or to book and advertisement please contact either linda.rainbow on 0845 680 0024 linda.rainbow@hub-4.com or Daren Thomas on 07719 740 736 daren.thomas@hub-4.coms.

Ultra Plant International Ltd – Manufacturers of Specialist Screening & Crushing Plant

Ultra Plant International Ltd, UK Manufacturers of mobile trommel screening equipment have been providing a range of trommel screening solutions to the waste recycling and aggregate processing industry internationally for almost two decades. Based in Dugannon, Northern Ireland, Ultra Plant operate market services directly from the factory and also through its international dealer network.

With a focus on quality, high value equipment, Ultra Plant International Ltd continues to provide solutions to the waste recycling and aggregates sector.

For further details please call us on 02887747582 or visit us at RWM on Stand 330

www.ultraplantltd.com

 www.hub-4.com/directory/11776

T: 02887747582

F: 02887746387

E: info@ultraplantltd.com

Ultra Plant INTERNATIONAL LTD

**35b Farlough Road,
Dugannon,
Co Tyrone
Northern Ireland
BT71 4DU
United Kingdom**



External Labyrinth Seals for Motorized Pulleys in Recycling Applications

The recycling of general household waste, building waste and refuse incineration provides challenges to seal arrangements of all components utilized within conveyors and sorting systems in this industry.

Some of the main culprits of system failure are VHS/cassette tape, glass, plastic threads and steel or copper wires which can get trapped and wind themselves around critical areas such as shafts and seals.

For Motorized Pulleys, Rulmeca recommend the fitment of extra external steel labyrinth seals at these areas to give the protection needed against these particular problems and enable the pulley to operate without constant attention and therefore fulfil its life potential.

Where there is the added problem of extreme aggressive and abrasive dry dust, or if it is in a wet form of sludge and/or in a hot environment, we would recommend that these seals are of our re-greasable type so they can be initially charged and then continuously purged around the seal area to keep it clear.

The best way of achieving this without constant maintenance is to fit a proprietary 'grease-man' system that administers a measured time-lapse grease release.

Rulmeca can also provide Motorized Pulleys with various options of Stainless Steel shafts and housings to work in very corrosive areas and applications.

These simple and inexpensive measures will considerably extend any Motorized Pulleys working life within these environments and therefore protect the investment made in the drive and save possible downtime and lengthy maintenance tasks.

 www.hub-4.com/directory/746

www.hub-4.com