

Inside recycling

The Recycling and Waste Management show, co-located with the Energy Event and the new Renewables event at the NEC, looks interesting for plant engineers, says Brian Tinham

From magnetic separators to plant and machinery installation services, briquetting presses to biomass burners, and odour and dust control to optical sensors, there promises to be a wide range of plant and equipment at RWM (Recycling and Waste Management).

It's also large. Taking place at the NEC, Birmingham, from 11–13 September, the exhibition is co-located with the Energy Event (see page opposite) and the new Renewables Event, and you can expect some 700 exhibitors, as well as more than 100 conference sessions – all free.

Big names include Cape Machinery, Kaizen Recycling, Lyndex Recycling Systems, Machinex, M&K Group and Mogensen, offering an array of sorting, separation and processing equipment – from conveyors to shredders, grinders, vibrating and trommel screens, and drying plant. There will also be materials and energy recovery plant from O.Kay Engineering, Gems and Tong Peal Engineering. And you can expect the latest in magnetic and eddy current separation systems from Magnapower, Melroma and Eriez.

Lift and separate

For visitors wanting to see equipment in action, Bakker Magnetics and distributor Lift Hold & Separate will be running a high-gradient drum magnet separator and Neodymium Overbelt magnet on the stand. Meanwhile, Impact Air Systems is bringing what it says is “the most impressive Zigzag separation system ever displayed at RWM”. The equipment is essentially an adjustable cascade cleaner, suitable for free flowing small fraction materials, such as plastic flakes, and is designed to remove lightweight debris from material streams.

Elsewhere, high-tech sorting will also be on the agenda, with sensor-based technology from Titech for a range of waste streams, including MSW (municipal solid waste). Also, S+S Inspection will be showing its Varisort Compact sorting system, aimed at sorting by colour or polymer type and removing metal contamination. Its belt delivery makes the machine adaptable to a wide range of material requirements – from granular to large pieces – and its multi-sensor technology makes it suitable for plastics, metal and electronic waste recycling.

On a different note, Mach Tech Services will be promoting its partnership with Lindner Recyclingtech in RDF/SRF (recovered and secondary fuel)

production machinery. Also, Ferrell Engineering and Weima UK are to showcase their shredders, granulators and briquetter press plant for waste materials for RDF, CHP (combined heat and power), and EfW (energy from waste) applications.

As for engineers looking for pollution, dust and odour control systems, suppliers will include ERG (Air Pollution Control), Odour & Dust Solutions and Dust Control Systems – the latter showing its dust and fume extraction equipment. Visitors will also find dust extraction equipment on the Indusvent stand, including its Super-Blower Filter, which the firm claims is 50% more energy efficient than chain filters.

And with safety issues, such as fire and spills, also important, equipment on show will include: spark detection and extinguishing systems from GreCon; pressure relief and explosion-protection solutions from BS&B Safety Systems; and oil and chemical spills absorbent stations from Censol.

Space is limited, but no preview of RWM would be complete without mention of the event's Energy from Waste trail and conference. Speakers include: Marcus Brew, alternative fuel production expert at UNTHA, who will describe how to run a successful SRF plant; Andrew Hamilton, CEO of Pyropure, who is due to talk on small-scale pyrolysis plant for organic waste; and Robin Buller, director of KRR Prostream, discussing latest technologies for optimising output at EfW and biomass plants, while reducing CO₂.

Visit the website (www.rwmexhibition.com) for free registration and further information. **FE**



RWM Show

What?

RWM (Recycling and Waste Management)

When?

11–13 September

Where?

NEC, Birmingham

