

R Recycling International

The summer of scrap

Plastic cups and flip-flops among festivals' most-littered items

Hong Kong welcomes ALBA's model for e-scrap recycling

Growing concern over China's scrap import ban

Technology: Emerging markets offering wider sales scope

'Fate of plastics recycling market is unclear'

Surendra Patawari Borad
page

44



Live explosion control demonstrations drew massive crowds.

Recycling-Technik:

Emerging markets offering wider sales scope

Manufacturing is one of those areas in which Germany stands out and its annual Recycling-Technik fair proved once again that this reputation is well merited. Suppliers converged on Dortmund from across Europe and demonstrated this is not the time to let innovation take a back seat.

By Kirstin Linnenkoper & Martijn Reintjes

More than 6700 visitors and 500 exhibitors flocked to the much-anticipated Recycling-Technik trade show held, once again, in the industrial hub of Dortmund, Germany's eighth-

largest city. The event's record-breaking attendance figures represented increases of 3% (visitors) and 10% (exhibitors) over last year's edition. The show took place against the backdrop of Germany's accept-

ance of the higher 65% recycling target for municipal solid waste, to be achieved by 2030. This fits with Chancellor Angela Merkel's support for 'making sustainability the guiding principle of the EU'.

Award for Spaleck



From left to right: Spaleck's Rainer Elfring, Markus Döbbelt and Andreas Ahler.

At Recycling-Technik, a technology award - as well as Euro 5000 in prize money - went to Spaleck GmbH & Co. KG. The winning innovation was ActiveClean for the handling of sticky, wet materials - six of which have been sold since its release earlier this year. This 'self-cleaning' conveyor system is said to facilitate 'maximum performance at zero costs'.

In the past, explained Spaleck's ceo Andreas Ahler, plant operators would have had to stop their lines on a regular basis to remove, for example, the hardened slag that had accumulated in the conveyor channel whereas ActiveClean enables equipment to be run 'continuously' while saving money on manual cleaning.

www.spaleck.de

MLT: quick fix for belts



MLT is expanding its portfolio of belt repair modules so that waste management does not include wasting money.

Among the many shredder and baler manufacturers at the show, French company Minet Lacing Technology (MLT) offered various patented conveyor belt solutions. 'Recyclers have to process a lot of bulky materials, and those can seriously damage the belt,' noted communications manager Myriam Moretton. 'We want to make sure that businesses can quickly fix the belt instead of having to replace it, meaning they no longer have to stop operations for several hours.'

One of its popular options is Super-Screw: available in customised configurations, this is a rubber lacing which is screwed onto the belt to cover the torn area and which can cope with any weather conditions.

'Whatever belt modules our customers require, they know that our solutions help make the most of their operations,' Moretton observed.

www.mlt-lacing.com

Fraunhofer: don't wait for new legislation



Joseph Dörmann (left) and Jan-Philip Kopka are pioneering C&D waste recycling in Germany.

Germany's Fraunhofer Institute used the Recycling-Technik show to spotlight its BauCycle recycling project for construction and demolition (C&D) waste. This initiative pioneers an optical sorting process that can sort 1.5 tonnes per hour at a cost of roughly Euro 5 per tonne. It is specifically aimed at the fine fractions - including lime and concrete flakes as well as brick fragments - that make up around 5 million tonnes of an annual C&D waste stream in Germany which exceeds 50 million tonnes.

With strict legislation in the pipeline, it is only a matter of time before the landfilling option is taken off the table, the Fraunhofer experts argued. Therefore, they said, it is better to 'beat politicians to the punch'

by coming up with an innovative way to treat the waste right now rather than a couple of years down the line. Germany's C&D waste stream is simply too big to 'wait for legislation to improve', they stressed.

www.baucycle.de

Presona: seizing opportunities in emerging markets



Presona's export sales manager Stefan Lewandowski and Nina Bergner, representative of Presona Germany.

Baler producer Presona's export sales manager Stefan Lewandowski confirmed in Dortmund that Europe remains 'a huge and stable' market for the company. At the same time, the Swedish manufacturer is witnessing 'exciting developments' across the Atlantic, with Mexico being 'a booming market'. Having noted that paper recycling giant Smurfit Kappa has invested a substantial sum in a production capacity expansion in Mexico, he added: 'Six big balers have been shipped out and many more are expected to follow.'

There is a huge need for recycling and waste management solutions across all emerging and growing economies - not only in South America but also in Asia, according to Lewandowski. A market regarded as having large sales growth potential for Presona is Thailand. 'Only 13% of all the waste in Thailand is currently being collected and recycled,' he explained. 'The systems and infrastructure are not ready yet, but there's a strong ambition to develop and increase capacity. Moreover, there is money to invest.'

Sales developments in Eastern Europe are described as 'stable but not spectacular', with much depending on EU funding. 'The less money coming from Brussels, the less is invested in new recycling equipment and technology,' said Lewandowski.

www.presona.com

>

Forrec: multiple sales to Thailand



Forrec's sales executives Barbara Belletti and Cristiano Perin.

Like baler producer Presona, Italian recycling systems expert Forrec is seeing big opportunities in South East Asia and especially Thailand. According to the company's sales manager Cristiano Perin, the Thai government wants to clean up all the country's landfills. 'They have started doing what some European countries are

only thinking of,' he said in Dortmund. To assist in this task, Forrec has sold seven shredding lines to Thailand: three were delivered in 2016 and the other four were shipped to Bangkok only recently.

Nearer to home, Forrec is seeing an increase in sales opportunities in Belarus where the company is involved in a 'major' recycling project. At the same time, serious leads in Russia have been 'put on hold' owing to political and economic difficulties, Perin confirmed. 'Hopefully, this will change for the better soon,' he added.

www.forrec.eu

A 'must-attend' event

'It was our first time exhibiting at Recycling-Technik in Dortmund, and it was absolutely the right decision,' stated Manfred Eßmann, sales manager for Austrian shredder supplier Lindner Recyclingtech.

The company claims to have gained a competitive advantage through its 'intelligent modular design', which means

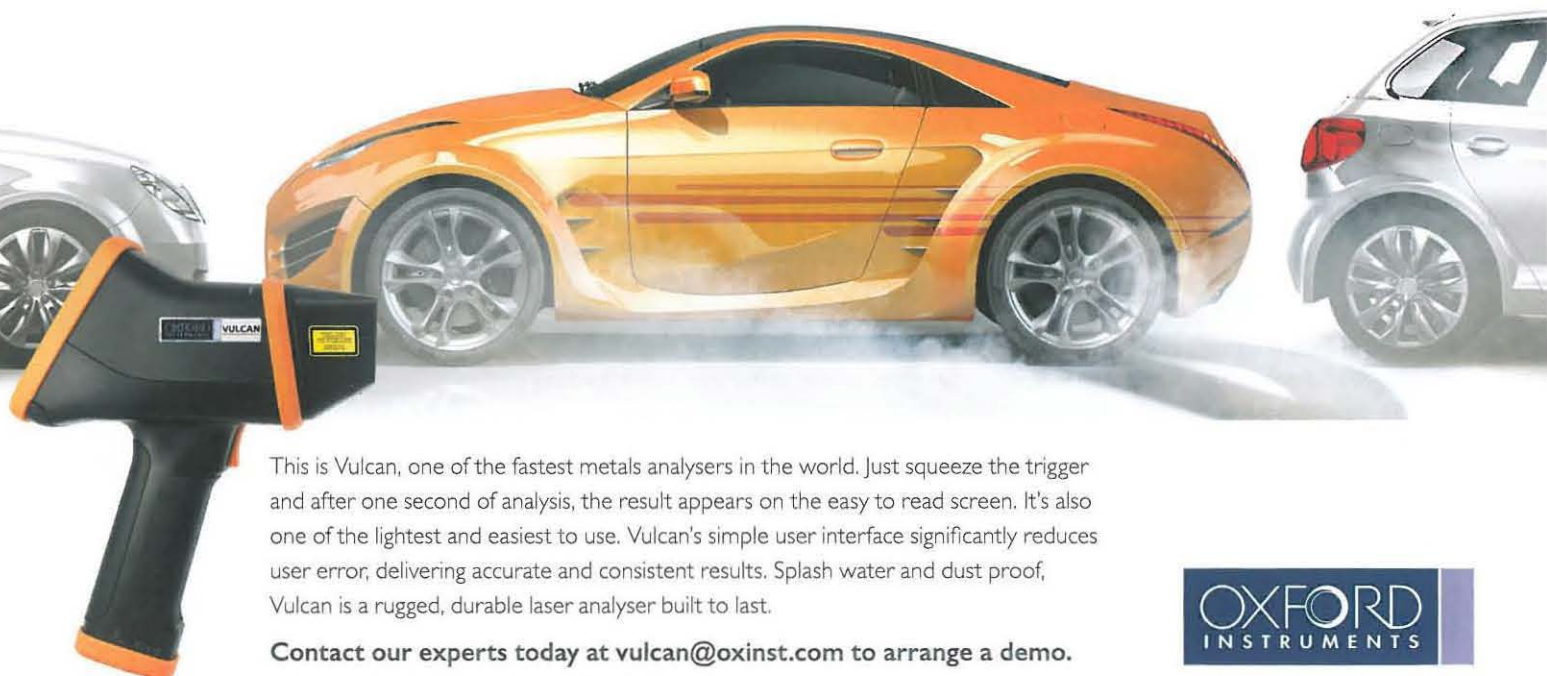
The next edition of Recycling-Technik has been scheduled for November 7-8 2018, with Dortmund once again to be the venue.

that up to 80% of Lindner's machine parts are used across all its shredders. Among the many benefits of this approach, easy adjustments can be made to suit individual requirements while training time for workers is greatly reduced and their safety is optimised. 'Trade visitors came with specific enquiries; from the approximately 50 top-quality contacts we made, we're expecting some good orders,' Eßmann said.

Tim Stratmann, engineering and maintenance specialist at Aurubis AG, also gave the event a positive review, contending that Recycling-Technik had evolved into a 'must-attend' event for those active in the recycling industry. ■

VULCAN

SPEED AND ACCURACY



This is Vulcan, one of the fastest metals analysers in the world. Just squeeze the trigger and after one second of analysis, the result appears on the easy to read screen. It's also one of the lightest and easiest to use. Vulcan's simple user interface significantly reduces user error, delivering accurate and consistent results. Splash water and dust proof, Vulcan is a rugged, durable laser analyser built to last.

Contact our experts today at vulcan@oxinst.com to arrange a demo.

www.oxford-instruments.com/vulcan

OXFORD
INSTRUMENTS

The Business of Science®