



POWTECH 2017

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NÜRNBERG,
GERMANY



WORLD-LEADING TRADE FAIR
PROCESSING, ANALYSIS, AND HANDLING
OF POWDER AND BULK SOLIDS

PRESS RELEASE

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POWTECH 2017: Improved separation process for the building and non-metallic mineral and recycling industries

The latest developments and global best-practice solutions for processing, handling and transporting bulk goods – that's what POWTECH, the leading exhibition for mechanical process engineering with about 900 exhibitors from all over the world, is all about. Trade visitors from the building and non-metallic mineral and recycling industries will find systems for conveying, crushing, separating, classifying, mixing and packing granulates and powders. Take recycling building materials as an example: advanced separating and sorting systems are essential if demolition material is to be converted into high-quality raw materials. POWTECH also offers trade visitors a comprehensive supporting programme, including a special show on the subject of maintaining air quality and dust filtration, along with a non-stop programme of talks in the Expert Forum.

Recycled building materials now make a huge contribution to saving resources and avoiding waste. Recycled building materials enjoy a high level of acceptance, which is reflected in a recycling rate of over 90% for mineral building and demolition waste in Germany.

As a result, recycled products are being handled more and more, alongside traditional building materials. They have grown to become a genuine alternative. To guarantee consistently high quality, good recycling has to start right at the building site.

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The re-use of recycled building materials depends greatly on access to reliable separating and sorting processes when throughput volumes are high.

Filtering and separating as basic processes

To separate the various kinds of building waste, Haver & Boecker OHG, from Oelde in North Rhine-Westphalia, develops and manufactures filtering media for filtering machines that can be used for very sticky recycling materials that are not normally suited to filtering processes. Michael Stichling, in charge of the Industrial Filters area, comments: "The screen vibration has to be optimised to ensure the best possible filtering process. Depending on the application, Haver & Boecker can offer the right solution in the form of its Flex-Mat High Vibration Wire Screens and Artech ultrasound technology. At POWTECH 2017, we will also exhibit a solution that uses ultrasound to provide efficient filtering in the < 200 µm range. We focus here on both screening and ultrasound solutions to cleanse supply pipes and containers used for bulk materials that are difficult to process."

VDMA special show: a dust-free future starts with us

A further important aspect to recycling is highlighted by the VDMA in a special show at POWTECH, in hall 2 at the exhibition venue. The special show deals specifically with the question of how the necessary limit values can be observed, and the appropriate measures and solutions that are available for dust separation – including for the building materials and recycling industry.

The companies exhibiting solutions for drying and maintaining air quality at POWTECH cover the entire value chain: from manufacturing filter systems and devices to ventilators, dryers and complete plant solutions. Their technologies contribute to high occupational safety and environmental standards in industrial firms and trades. Air and dust removal technology as a branch of industry is constantly developing innovative technical solutions to maintain legal requirements.

It offers a broad range of opportunities to separate dust, smoke, aerosols and gases, in line with the many different fields of application, from waste processing to the pulp industry.



Experience many machines “live” at the exhibition

More than 300 of the approximately 900 exhibitors at POWTECH will display products especially for the building and non-metallic mineral and recycling industries. Many of them will present their systems at the exhibition, both live and in demonstration mode. Please visit www.powtech.de/en for a current list of exhibitors and additional information on the event.

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