



October 2011

News from the World of Process Technology

POWTECH 2011

Successful World Premiere

Dear Sirs,

Once again, the POWTECH exhibition in Nuremberg has been an important forum for our company to present our products to you, our customers.

The announced world premiere of the **particle measuring device JEL Horus** met with great interest and positive response among specialists.

In combination with the screening machine V-Screen, the extended version of our successful Freischwinger type series, the JEL Horus was the main attraction on our stand. On the first day of the exhibition **the JEL Horus developed in close cooperation with the University of Mannheim and funded by the Federal Ministry of Economy and Technology, was shortlisted for the Innovation Award** by the specialized media.

Our staff enjoyed finding solutions to your problems with bulk goods together with yourselves or to initiate solutions. And we were pleased that our regional speciality „Pfalzburger“ (rolls with Pfälzer Saumagen) was very well received by our visitors for the second time now.

Once again we would like to thank all of our visitors who made our participation in the fair a success and would be pleased to welcome you on one of our next exhibitions.

Best regards,
J. Engelsmann AG





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Engelsmann on the Shortlist of the Innovation Award

At the Powtech 2011 fair, PROCESS, PharmaTEC and Schüttgut chose the winners of the Innovation Award for the fourth time in a row, which spotlights firms for clever new products.

The response ahead of the Powtech was considerable. The jury of the specialist media PROCESS, PharmaTEC and Schüttgut had to evaluate around 70 entries for this year's Innovation Award.

Engelsmann competed for the award in the category „Particle/Material Analysis and Characterisation“ with the newly developed particle measurement device JEL Horus.

An important criterion for getting onto the short list: the solutions, systems and components must not be older than twelve months, but must already be available on the market. As in previous years, the jury again judged all entered new products according to the degree of innovation and their practical usability, as well as quality, efficiency and profitability for the user. „Innovation is often a balancing act“, the task isto find the middle way between cost considerations and creativity.

The first evening of the fair saw the official prize ceremony, in which the awards were given for the six different categories.



We are proud that Engelsmann has been placed on the shortlist. This is the proof that with our ideas and innovations we have solved the problems that you, our customers, have to cope with in your everyday production processes.



The picture on the left shows Olaf Gerdes (J. Engelsmann), Dr. Günther Crolly (Fritsch), Dr. Mark Wingfield (Malvern Instruments) after handing over of the shortlist certificates in the category “Particle/Material Analysis and Characterisation“ (picture: PROCESS)

On the next page you will find a detailed description of the particle measurement device.



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Particle size monitoring? Online? No problem!

The JEL Horus is applied in connection with all usual screening machines to detect pourable bulk goods and to permanently monitor sieved products.

Operation

Through the product downpipe the fine material flows through the screening machine. By means of the product guide plate, the quantity of product required for measurement is constantly fed into the optical system. There, the product is detected and the measuring results are assessed accordingly.

This process is constantly performed and therefore constitutes real online particle measurement. By means of the supplied software, the monitoring range can be individually adjusted to the product. In case of deviation from the pre-set particle range, a signal is generated that can be used for further processing (e.g. in a PLS system present at the customer's site).

World premiere



Range of application

Suitable for use with all conventional screening machines to detect pourable bulk goods. The particle sizer JEL Horus can be used in all areas of the chemical, pharmaceutical, food, plastics and similar industries.

Advantages

- permanent monitoring of the screening process through online particle sizing
- suitable for a wide range of particles, particle diameter of 60 to 6.000 μm
- avoids high subsequent costs following screen breakage or over-running the machines
- rapid recognition of screen breakage without costly sampling
- parameters can be set for each individual product
- over-running of the screening insert reported immediately without elaborate sampling and analysis
- no cleaning efforts due to self-cleaning system
- time-saving performance optimisation when commissioning screening machines

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