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UP-TO-DATE!:

Dec's Newsletter !
Innovative information about Powder handling...Always!

REVIEW-ACHEMA 2006:

ACHEMA 2006, Frankfurt, May 15th-19th was an outstanding success for Dec.



A significant number of international visitors were informed and presented with new innovations of the ever expanding product portfolio. A redesigned booth compared to latter shows hosted an array of Dec products, both established and new, in operation. The booth became one of the main attractions at the exhibition and cultivated interesting contacts from near and far.



Our team was supported by colleagues from our international subsidiaries (Dec Ireland and Dec India) and by our worldwide partners and agents.

In addition to a large video screen and informative computer presentations,

the Batchmixer was presented for the first time together with a Powderflex and MPTS sampling device in full operation on an exhibition.

On the right, Frédéric Dietrich, our technical Director is explaining the principle functions of the PTS technology with an example of a PTS 100-N CIP (in hygienic design) to an interested client. The renowned PTS technology was demonstrated by a powder transfer and a CIP cycle equipped with a liquid separator.



The highlight of the exhibition among others was the new and innovative PTS Feeder. This is the perfect solution for emptying equipment, filling and dosing of bags, drums or big bags in single operation.

This mobile device can be used to discharge various types of equipment and fill an array of different types of packaging especially when there is limited head-room / space below the equipment.

The PTS Feeder guarantees precise dosing at a high transfer rate. In combination with the DCS System it provides optimal protection of the operator and product with high levels of containment (<math><1\mu\text{g}/\text{m}^3</math>).

Our DCS, Drum Containment System, for contamination free emptying of drums was shown in its standard design with suction lance and cleaning drum.



The innovation of the DCS, the DCS Inverter was shown for the first time at the exhibition.

The distinctive innovation is the inversion of the drum

This development allows, in combination with a PTS, a faster discharge of drums (higher throughput) and therefore saves a lot of time. Lumpy and agglomerated materials can be discharged easily with the integrated lump breaker suction hopper.

We would like to thank our clients for visiting us and we are looking forward to seeing you at ACHEMA 2009!

Contact us at info@dec-sa.ch

Tick the boxes for the requested product info:

- Company brochure with the complete product information
- CD-ROM: Video for explanation of PTS-Technology
- CD-ROM: Video for explanation of DCS-Technology and examples of application
- Request for an Internet password to access the download area with interesting information on our website
- Questionnaire containing questions regarding the product characteristics and tasks at your manufacturing plant. You answer and we deliver the solution.

VISIT OUR WEBSITE: www.dec-sa.com

Dec-NEWS: Case Study

1997 Client: Pharmaceutical Plant

Requirements: Dosing of 5 different products out of big bags, containers and drums in an intermediate bulk container (IBC). Accuracy 1500 kg ± 500 g.

Solution:

Discharging:

- 3 Big Bag Emptying Stations with riddle screens
- 1 Container Emptying Station with riddle screen
- 1 Drum Emptying Station with suction lance

Dosing:

- For each product one PTS installation with vibration tube, butterfly valve and outlet in the container
- Computer-operated pre- and fine dosing
- PTS-Installations are fixed on a support frame, which can be lowered on the container to be filled, which is positioned on a scale.
- The products are sucked out of the different receptacles, sieved online through the riddle screens and transferred to the central dosing station.
- The pre-dosing takes place until the pre-programmed limit is reached and the fine dosing starts.
- The fine dosing is carried out until the final weight is achieved.



Figures: left: central transfer- and dosing station including 5 PTS connected to a container positioned on a scale. below: Central transfer and dosing station fixed on the support frame.



2006

Task: Similar application as for project of 1997

Required improvements:

- Simplified cleaning of the installation
- lower price
- same capacity and accuracy of 1500 kg ± 250 g

Solution:

Discharging:

- 2 Big Bag Emptying Stations with riddle screens
- 2 Container Emptying Stations
- 1 Drum Emptying Station with suction lance and riddle screen

Dosing:

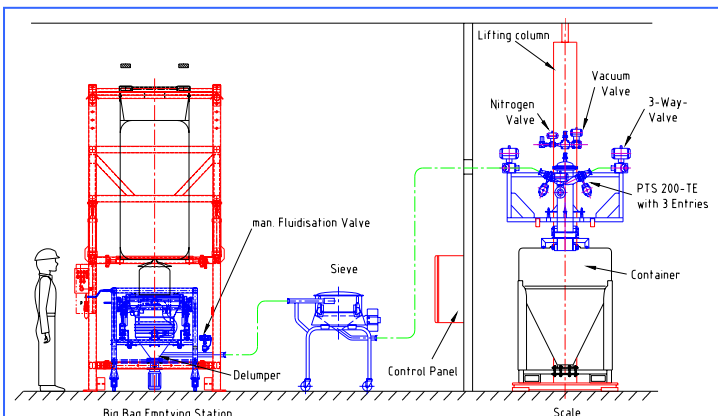
- Only one PTS with three product entries.
- 2 three-way-valves with the five product lines.
- Only one PTS discharges each product out of its receptacle, transfers it online through the riddle screen and is dosed into the container which is positioned on a scale.
- First the pre-dosing is carried out and in turn the fine dosing until the desired weight is achieved.
- The cleaning operation has been reduced significantly thus saving time and effort.



Figures: Left/below: Central transfer- and dosing station including a PTS with 3 product entries fixed on a frame which can be lowered on a container positioned on a scale.



Is this installation interesting for your application? Then contact us at info@dec-sa.ch.



Flow chart of the project 2006: The product is sucked out of a big bag in the emptying station through the sieve in the dosing station.

EVENTS :

POWTECH 2007

Visit us in Nuremberg from March 27-29th 2007
Hall 9 Stand 425.

CHEMTECH 2007
WORLD EXPO
WORLD FORUM OF THE PROCESS INDUSTRY

23rd International
Exhibition & Conference

February 6-10th 2007
Mumbai, India

You don't want to receive our Newsletter anymore?
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