



J-Tec's test facilities

To get a better understanding of the characteristics of your product and how it should be handled, you can use our newly expanded test facilities. By doing so you will be certain that, even with the most difficult products, your installation will function as planned.

Recently our test facilities have been enlarged in order to better accommodate your requirements.

For instance, extra conveying piping was added, allowing test runs for pneumatic conveying over 450 metres.

Additional changes:

- a new digital measuring unit for gathering data from the conveying system, such as pressure, temperature, air flow, etc.
- a deduster with a new antistatic feature together with a new measuring device to determine dust content
- a 10 m³ compressed air vessel (pressure up to 10 barg)
- an adsorption dryer



UPCOMING EVENTS

March 22 - 24:
Solids Processing & Handling
Stand: 4513
www.easyfairs.com



May:
In-house seminar on our new product lines and introduction of our new test room. The exact date will be communicated as soon as possible. For more information please visit our website (www.j-tec.com).

September: in-house seminar on compounding
More info can be found on our website.

October 11 -13:
Powtech 2005
www.powtech.de



J-TEC MATERIAL HANDLING

February
2005

25 million square metres

Beaulieu Wielsbeke NV, one of the world leaders in polypropylene carpets, put into production the largest PVC flooring line ever built in the world.

Typical raw materials to be automated are E-PVC, CaCO₃, plasticizer, TiO₂, and many more. The total target is no less than a yearly production of 25 million square metres.

J-Tec was chosen to build the mixing tower of this installation. This mixing tower allows highly accurate dosing and weighing of liquids as well as powders.

By means of a state-of-the-art control system, the staff of Beaulieu are able to follow the whole production process step by step.

The customized control system assures a perfect control of the recipes. With this set-up, quality control and traceability are ensured.



Weighing hopper and mixers



Vacuum conveying from silo

Fairs

Once again, J-Tec was present at the Düsseldorf Messe for K2004. This year we demonstrated our dosing valve, and fully automated container system with pneumatic conveying and integrated weighing. This attracted a lot of attention, but it must be said that our dark Belgian beer De Koninck, also known as Bolleke, was a close runner-up.



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Raw material silos



Liquids and powder weighing



ComDis BB500

J-TEC develops modular discharging system

The discharging of bags or Big Bags® is one of the main activities in the world of material handling. The decision to invest in either a Big Bag® discharging station or a bag tipping station is largely dependent on the amount of raw material to be handled. Another factor in the decision-making process is whether your raw material supplier delivers the material in Big Bags® or normal bags.

Because these factors are often unclear during the investment phase and therefore can change, J-tec developed a modular line of discharging systems, the **ComDis line (Combined Discharging)**: ComDis S500, ComDis BB500, ComDis S800 and ComDis BB800.

These modular discharging systems have major advantages :

- Because of the modular nature of the discharging systems, bags as well as Big bags® can be emptied on the same base station, simply by exchanging the top module.
- Thanks to easy (dis)assembly, the discharging systems can be cleaned at a different location.

While developing this 'ComDis' line, a close eye was kept on the EHEDG directives for discharging stations.

This new product line offers the important advantage that you can easily switch between Big Bags® and normal bags. As a result, the customer is no longer bound to one type.

Automation of dry materials at Friesland Drinks in Bornem

Recently a new, fully automated dry materials installation was put into production. In the presence of delegate director Hugo Verhaegen and other prominent people from the Flemish and Dutch food industry, sugar was added for the production of Cecemel, chocolate milk, by a mere push on the button for the very first time. The inauguration was done by Dirk Van Mechelen, the Flemish Minister for Finance and Budget, Town and Country Planning. Extran and Fristi followed later on.

The automation had become a necessity for three reasons:

- The dry and wet production areas needed to be separated.
- An increase in capacity resulted in logistical problems.
- New regulations necessitated the replacement of the existing sugar silo.

A full analysis of the production process for Cecemel, Fristi and Extran indicated that there was a need for 1 sugar silo, 2 Big Bag® discharging stations and 3 bag dumping stations. For each of the three production units a combined vacuum weighing system was installed, ensuring the continuous supply of dry materials into the liquids flow.

Through the treatment (filtering and drying) of the surrounding air and process air, problems of a process-technological as well as a bacteriological nature are dealt with.

This is an installation where the high demands regarding hygiene, the new ATEX directives and the logistical problems are met in a creative and successful manner.



EXPANSION AT SONNEVELD

SOME 4
SUPPLIERS
LET
SONNEVELD RUN
ON SCHEDULE

One of the milestones in the new building of the Palipro project is the hoisting of the big tanks. This was planned for week 48 of this year, but is already taking place in week 45! The construction of Sonneveld's new Palipro plant is happening at full speed. Thanks to the commitment of Bernd Ruijpers, his direct colleagues and the project suppliers GTI, Giesbers, Verhoeven and J-Tec we are right on track.

Sonneveld wants to thank everybody involved in the Palipro project.



Sonneveld is a prominent producer and supplier of innovative bread improvers, release agents and mixes, who share their ambition enthusiastically and creatively with the project suppliers G.T.I., Giesbers, Verhoeven and J-Tec.

This shared ambition is a project in the form of a new factory on their existing production site in Papendrecht (NL).

This new factory has to fulfil several needs and wishes of Sonneveld, the most important one being the expansion of their capacity.

Our participation in the project consists in the gathering of raw materials in hoppers on load cells. These raw materials are discharged from the silos - the existing ones as well as a new one - on the one hand, and from Big Bag discharging stations and bag dumping stations on the other hand. The weighing hoppers unload the gathered product into a mixer, resulting in a premix. This premix is then conveyed pneumatically to a precise continuous dosing, which is in turn connected to the next process.

Sonneveld took this opportunity to implement their wishes and vision regarding current and future regulations and standards.

Among the highlights: a good working environment, tracking and tracing, CE regulations such as ATEX, the so-called dust covenant and the latest standards of food safety.

The project is currently in that exciting phase where our combined input and efforts get shape by starting the installation of the process components.

To be continued.

