

# Press Release

Product news

"Production and packaging line from one source"

March 2011

Short text version

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## **A first at the ECS 2011:**

### **Feige and Sommer present a turnkey solution from one source**

**A little more than one year after starting their partnership, Feige GmbH, Abfülltechnik and Sommer GmbH & Co. KG are presenting their first joint project. At the European Coatings Show 2011, Hall 6, Stand 230, the companies are introducing a real innovation with their new, interface-free production and packaging line.**

With their first joint project, the companies Feige and Sommer are offering paint and coatings manufacturers a turnkey plant for mixing and filling solid or paste-like products. The entire process technology comes from one source and is free of any interfaces: from storage over filling as per W&M legislation to labeling.

At the trade fair, the partners are presenting a small-scale production plant that gives an impression of the innovative concept. The actual, individual plant will be tailored later on to precisely meet the production requirements at the customer's.

Interested parties can have a look at the prototype and get detailed information on the future-oriented technology. The presented unit includes but is not limited to two model silos and tanks for storing liquid and solid raw materials, dosing and filling equipment, a 300-l coaxial mixer, and the electrical control system of the unit.

Furthermore, the new high-end pail filling station type 410 for round, angular, and oval pails is presented on the market for the first time. It comprises a state-of-the-art pail denester, a filling station with product flow control, and the new robot lid placer type 1200.

(Read more in the detailed text version)

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Running into each other at the customers' premises, Feige technicians and Sommer technicians again and again noticed that there is much demand for full-liner units from one source. When a company plans to invest in a new production plant, they expect the equipment to work as efficiently and with as little hassle as possible. The new turnkey plant is the custom-made solution individually tailored to meet each individual customer's production requirements.

At the ECS 2011, Feige and Sommer are presenting a small-scale production plant. Interested customers can thoroughly inspect the prototype and get detailed information on the future-oriented technology. The presented unit consists of all technical components for dosing, storing, and mixing liquid and solid raw materials, as well as of the interface-free upstream processing in the new pail filling station type 410. At the trade fair, the plant is presented to the public for the first time.

### **Processing of raw materials: all equipment supplied by Sommer**

Having more than 100 years of experience in plant engineering and construction, the company Sommer is responsible for planning and manufacturing the entire raw material processing equipment for the new full liner. This section is controlled centrally via the process control system Variobatch that visualizes the whole plant. It is operated manually or fully automated and comprises a composition control function with machine parameters, as well as a control terminal at the mixer.

The prototype presented at the fair gives a good impression of the manufacturing process. Interested parties can view the models of silos and tanks with a volume of approx. 300 l each for storing and dosing, the model containers for auxiliary components, and the dosing screws and pumps.

In the next step, the raw materials are fed into a coaxial mixer with a volume of 300 l, and from there into a container with an inventory weighing machine. The mixer is particularly well suited for the manufacture of medium- and highly viscous products (e.g. latex paints, adhesives, building protective agents, and sealants). Various high-performance mixing tools can be used to adapt it efficiently to a wide range of manufacturing conditions. It is designed as a weighing device so that the raw materials can be added in specified doses. Finally, a total mass balance of the finished product is generated.

### **The new Feige plant for filling and packaging without interfaces**

In a transition from one production stage to the next without any interface, the readily mixed product is fed by the pump system to the filling plant. At this point, the company Feige comes into play with their extensive know how to present a new product at the trade fair: the pail filling station type 410 that is centrally operated via the Feige Touch Panel.

The modular-design plant is tailored individually to each customer's requirements. The line comprises the pail denester type E 1200 with refilling position at floor level, interruption-free pail supply, and integrated safety system. It allows for easy retooling to other pail sizes or heights, and easy changing to other stacking distances or ranges.

Another element of the new pail filling plant is a filling station with extremely accurate and constant product flow control. Here, all pail and filling parameters are set centrally at the Feige Touch Panel for the products to be dosed with high efficiency as per W&M legislation, and fed and supplied without any interruption.

In the plant, the product flows continuously at the same level so that the feeding system runs without constant startups and stops. Furthermore, customers benefit from the intelligent design of the filling station by smaller pipeline cross-sections, lower costs of investments and reduced cleaning costs.

With its robot lid placer, Feige presents another new product at the ECS 2011. The lid placer assures interruption-free lid supply: A stack of lids is manually inserted into the magazine, the bottom lid is separated and lifted from the stack by a vacuum grabber, pivoted, and placed on the pail. The pail and lid parameters are centrally saved to data records for even faster and more efficient packaging of the product. For increase of capacities, the magazine can be easily extended.



**Photo sub line:**

*From one source: mixing and packaging line*

Photos: FEIGE FILLING, Bad Oldesloe

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