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Press release**Coperion and Coperion K-Tron at Powtech 2016****New solutions for the process industry**

Stuttgart, April 2016 – At Powtech 2016 Coperion und Coperion K-Tron will present a variety of solutions for handling bulk materials in different process steps on their booth no. 4-290 in hall 4. In addition to the newly developed ZZB rotary valve and the ZHD rotary valve, which is now also available in Europe, visitors will also be able to see the completely re-designed FFS packaging machine ITL 250. In addition, Coperion K-Tron will present its new Electronic Pressure Compensation (EPC) on the booth as well as a batch weighing system.

Small ZZB hygienic rotary valve

This new compact stainless steel rotary valve was especially developed for small capacities and high sanitary needs. It is therefore perfectly suitable for operations in the food, pharmaceutical and chemical industries. The interior and exterior polished surfaces prevent undesired product deposits. With the standard extraction device, the rotor can be easily removed from the housing. Easy to open tri-clamp flange connections at both inlet and outlet simplify installation and maintenance. The ZZB is available in sizes DN 80 and 100 (inlet and outlet) and is suitable for use in ATEX zones.

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ZHD rotary valve complements product portfolio

Coperion expands its product portfolio with the ZHD rotary valve for powders for easy and medium applications. Due to a large inlet, this cost-effective, grey cast rotary valve is ideally suited to a variety of discharge operations. With a feeding shoe it can also be used for pneumatic conveying tasks up to 0.8 bar. Purge-free sealing gaskets are available for certain applications. Attractive delivery times are possible for rotary valves in standard execution.

Intelligent FFS Packaging Machine ITL 250 with automated features

The FFS Packaging Machine ITL 250 with automated features provides accurate weighing, ideal dosing and hygienic packaging for crystalline, granular, beaded or flaked goods. Due to a variety of new design details, this machine now works even more efficiently than the previous model. The new conical shape of the loading hopper assures less dead zones and better cleanability. Faster and more accurate dosing can be achieved by the new, servo-actuated gravity feeder. Furthermore, the machine will be equipped with a vacuum pump, instead of a venturi system, which results in better vacuum flow for moisture sensitive products and improved bag shaping. Additional design improvements include a new body frame with motorized reel unwinder, new filling spout, motorized pivoting arms and outlet conveyor. Together, all these enhancements ensure more efficient and reliable operation. Beyond that, a mobile version mounted on a motorized cart is also available.

Electronic Pressure Compensation (EPC) system for high-accuracy Coperion K-Tron loss-in-weight feeders

Coperion K-Tron will present a unique new Electronic Pressure Compensation (EPC) system for their high-accuracy loss-in-weight feeders. The main advantages of the new system include improved accuracy and reliability as well as lower initial cost and easier installation compared to traditional mechanical pressure compensation systems. Coperion K-Tron has developed a clever but simple electronic solution for accurate and steady pressure compensation in feeder hoppers. The modular design incorporates pressure sensors and electronics tailored to interact smoothly with Coperion K-Tron's KCM feeder control system. Retrofitting options for existing feeders are available. EPC can be installed on a majority of Coperion K-Tron gravimetric feeders in almost any application and all industries.

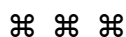
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Batch weighing system with P100 batch weigh receiver and KT 20 loss-in-weight twin screw feeder

A complete Coperion K-Tron batch weighing system features a P100 batch weigh receiver combined with a KT20 loss-in-weight twin screw feeder, mounted on a wheeled cart with a collection hopper will also be on display. The unit combines a vacuum receiver with a reliable weighing system. The resulting combination allows ingredients to be conveyed and weighed so that accurate batching of ingredients can take place on either a cumulative or sequential basis. Coperion K-Tron offers batch weigh receivers in various sizes, from 30 to 1000 liters. The KT20 loss-in-weight twin screw feeder is ideal for accurately adding smaller amounts of additives to the batch. Twin screw feeders can handle more difficult materials such as pigments, sticky, bridging or flooding powders, fiber and fiberglass. All components in the batch weighing – including the cart – are made of stainless steel and executed in food grade finish.

Coperion (www.coperion.com) is the international market and technology leader in compounding systems, feeding technology, bulk materials handling systems and services. Coperion designs, develops, manufactures and maintains systems, machines and components for the plastics, chemicals, pharmaceutical, food and minerals industries. Within its four divisions – Compounding & Extrusion, Equipment & Systems, Materials Handling and Service – Coperion has 2,500 employees and nearly 40 sales and service companies worldwide.

Coperion K-Tron (www.coperionktron.com) is a Business Unit of Coperion (www.coperion.com) and is a global leader and single source supplier of material handling and feeding systems. Coperion K-Tron has defined the leading edge of technology for material handling and feeding applications in the process industries.



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Editorial contact and voucher copies:

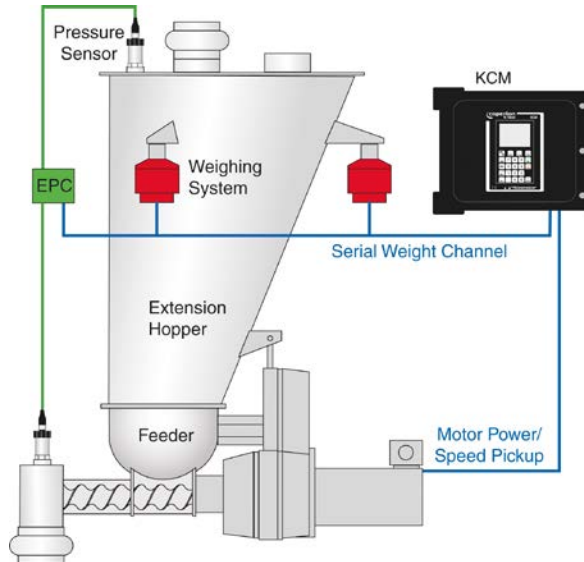
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The new compact stainless steel rotary valve ZZB was especially developed for small capacities and high sanitary needs

Image: Coperion, Weingarten

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Basic principle of EPC electronic pressure compensation applied in gravimetric feeding system in a schematic presentation; KCM: feeding control

Image: Coperion K-Tron (Switzerland) GmbH, Niederlenz, Switzerland