coperion
confidence through partnership

› compounding & extrusion
› materials handling
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Press Release

Coperion and Coperion K-Tron at Fakuma 2018

Innovative feeding technology ensures maximum efficiency in compounding processes

Stuttgart, September 2018 – At their booth A6-6406 in hall 6 at this year's Fakuma exhibition (October 16-20, 2018) Coperion and Coperion K-Tron present first-class plastics processing solutions – especially solutions for the efficient feeding of bulk material into the compounding process. On display is a Coperion ZS-B side feeder which is used to feed raw materials into numerous extrusion processes. The side feeder is equipped with the patented Feed Enhancement Technology (FET) that increases the material intake capacity in the processing of feed limited products by up to three times. For the improved feeding accuracy of loss-in-weight feeders, Coperion K-Tron will be presenting the unique EPC electronic pressure compensation system.

Increased throughput with Feed Enhancement Technology

The Coperion ZS-B twin screw side feeder enables the reliable side feeding of fillers and additives in powder or pellet form or cut glass fibers into the process section of the twin screw extruder. The ZS-B features a self-cleaning profile of the twin screws and product feeding into the screw flights of the extruder without stagnant zones. It requires very little space due to its compact design. The side feeder is equipped with the patented FET Feed Enhancement Technology developed by Coperion, which applies a vacuum to the feed zone by means of a porous, gas-permeable wall. The resulting gas extraction increases the material intake capacity in the processing of feed limited products by up to three times. Throughput rates will considerably increase and the use of finer / non-compacted fillers is possible.

September 2018

Electronic pressure compensation (EPC) system for high-accuracy loss-in-weight feeders

At Fakuma, Coperion K-Tron will be presenting the electronic pressure compensation system (EPC) 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 presents a clever but simple electronic solution for accurate and steady pressure compensation in feeder hoppers and outlets. 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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an MS-WORD file of this press release in English and
a printable-grade copy of the enclosed image are available for download at
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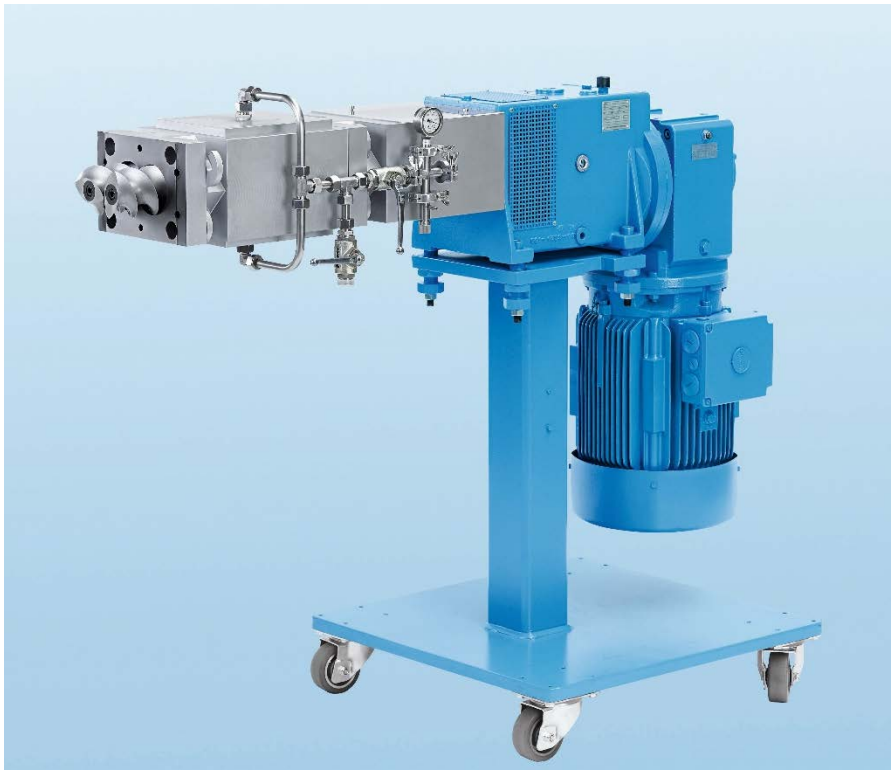

The Coperion side feeder ZS-B equipped with the patented feed enhancement technology (FET) increases the material intake capacity in the processing of feed limited products by up to three times.
Image: Coperion, Stuttgart, Germany

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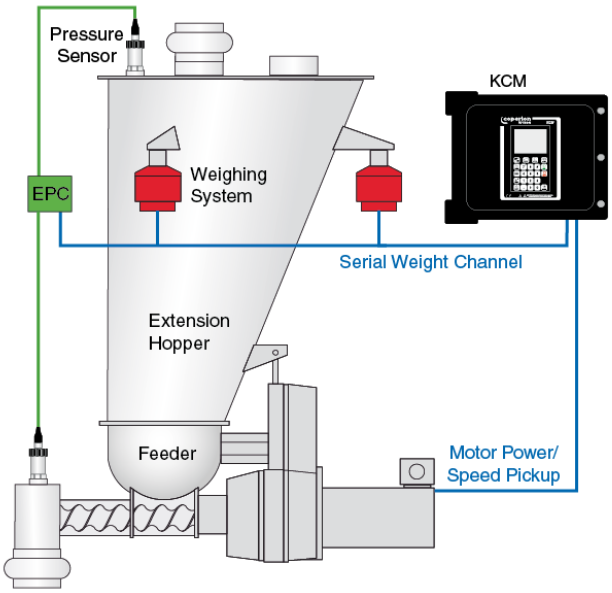

Basic principle of EPC electronic pressure compensation applied in gravimetric feeding system in a schematic presentation; KCM: feeding control

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