



Company News

## **Coperion: The new MIX-A-LOT bulk material mixer for high-speed, gentle and cost-efficient homogenization**

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The combination of an outstanding mixing effect and extremely short mixing time is due to the optimized design of the mixing rotor. Its low circumferential velocities and the optimum design of the gap to the housing, permit gentle handling without particle destruction or heating of the product. The large inspection door on the front of the MIX-A-LOT provides easy access to the entire process chamber. An additional opening at the discharge flap also facilitates inspection and cleaning of this section.

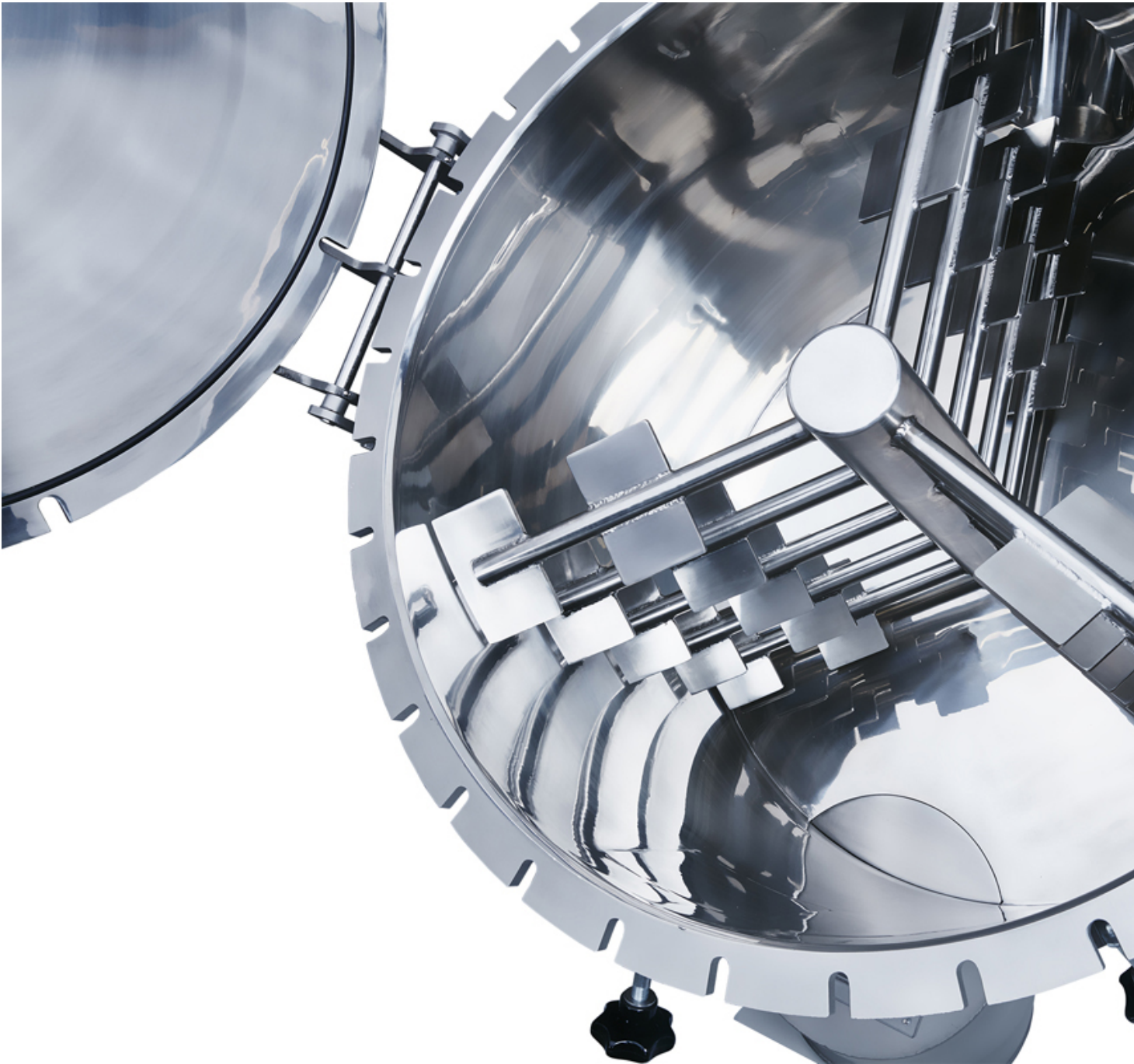


The new bulk material mixer MIX-A-LOT from Coperion ensures cost-efficient, high-speed and also gentle mixing of the individual components for extrusion.

(Image: Coperion, Weingarten, Germany)

## **Excellent cost-efficiency thanks to lower investment and maintenance**

**costs** Up to now it has generally been standard practice to feed each individual component to the extruder through a separate differential loss-in-weight feeder with a buffer hopper. However, using this technique, the new MIX-A-LOT first produces the specific pellet mixture, for which one single loss-in-weight feeder is then sufficient. The weighing function of the mixer ensures accurate recording of the weight of each component fed in, to guarantee correct dosing according to the recipe. As the MIX-A-LOT is of vacuum and pressure-resistant design, direct pneumatic feeding is possible without the need for a separate reception bin for pneumatic conveying. This simplified plant concept allows the reduction of investment and maintenance costs compared to conventional systems. The cleaning effort during changes of product has been greatly reduced, and much less space is required above the extruder.



The mixing rotor of the new bulk mixer MIX-A-LOT ensures a combination of excellent homogenization and shortest mixing time

(Image: Coperion, Weingarten, Germany)

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