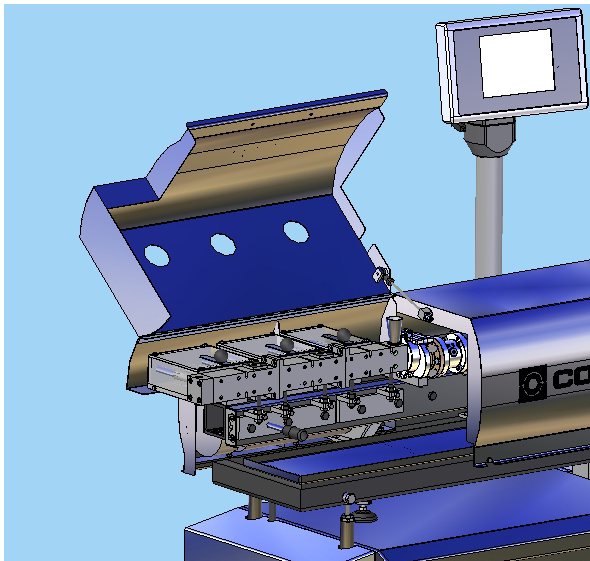


Mini-Compounders ZK 12 and ZK 16

The ultimate small compounder for basic development in the pharmaceutical and medical industries, the food-processing industry and the plastics-processing industry



Applications in the plastics sector

- Mixing and dispersing pigments
- Incorporation of solid and liquid additives
- Incorporation of organic and inorganic fibers
- Blending of polymers and pastes
- Continuous reactive extrusion
- Outgassing of volatile components

Applications in the pharmaceutical sector

- Incorporation of active ingredients into carrier materials
such as waxes, cellulose, starches, etc.
- Outgassing of volatile components
- Pelletizing of tablet formulations
- Continuous tablet forming



Compounding of extremely small batches in research and development

Applications in the pharmaceutical and plastics sectors

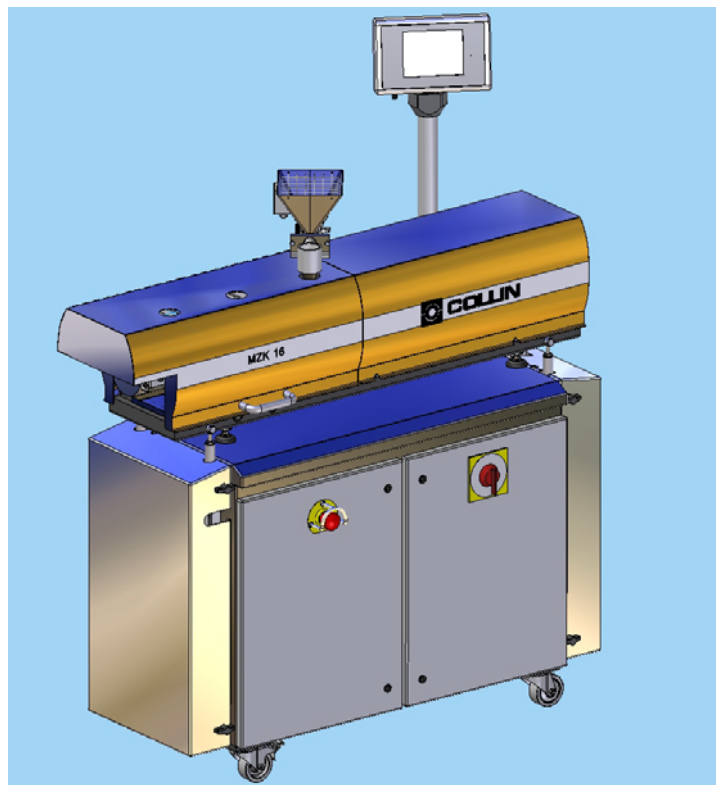
Extremely quick and easy cleaning

Extremely short material change times

Features of the Collin Mini-Compounder

Barrel segments:	Each 12 D in length, machined from solid stock, attached by means of C-flange or flat flange.
Screws:	Consist of individual segments mounted on a central shaft for a variety of configuration.
Heating / cooling:	Heating and cooling provided by heater cartridges and cooling channels incorporated into the barrel. Extremely rapid uncoupling, thanks to the ability to slide the heating and cooling elements transverse.
Axial movement:	Sliding the barrel axially on linear ways over the entire screw length permits simple removal of the barrel as well as the screw. In short: <i>Extremely fast cleaning!</i>
Drive:	A highly dynamic AC servomotor with a planetary gear arrangement permits exact setting of screw rpm as well as highly accurate and fast limiting of the maximum torque.
Height adjustment:	The entire processing unit can be raised hydraulically by up to 200 mm – for optimal positioning with respect to downstream equipment and simple cleaning of the machine.
Electric control cabinet:	Forms the caster-mounted base on which the processing unit is mounted.
Cover:	The all-around machine cover facilitates fast cleaning after processing has ended and complies with GMP (Good Manufacturing Practices).

**Mini-Compounder
MZX 16 x 36 D**



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