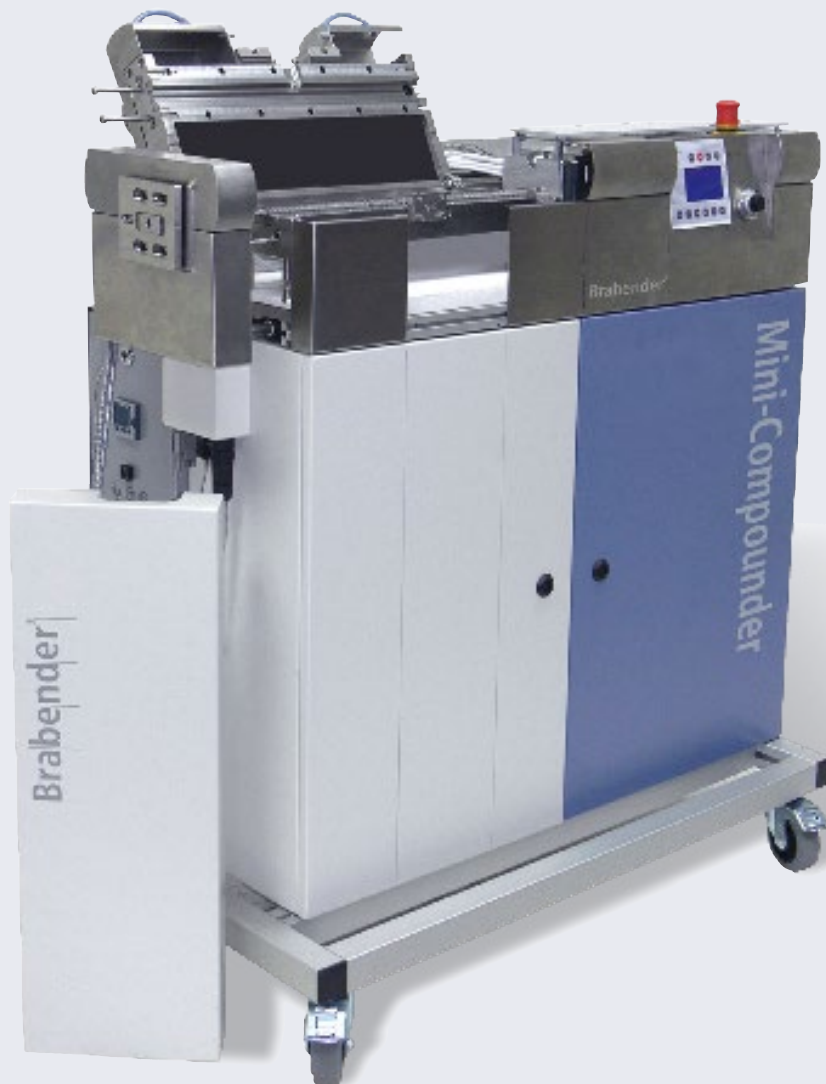


Twin screw extruder in miniature for the food and pharmaceutical industry

Brabender: Mini-Compounder



Mini-Compounder



The Brabender® Mini-Compounder KETSE 12/36 D is a miniature twin screw extruder co-rotating with application to the food as well as to the pharmaceutical industry to develop new products.

The scale-down of the machine in combination with the comprehensive adaptability to almost each processing task and the easy handling of the system, explain the distinction of the **Mini-Compounder** as an excellent laboratory apparatus.

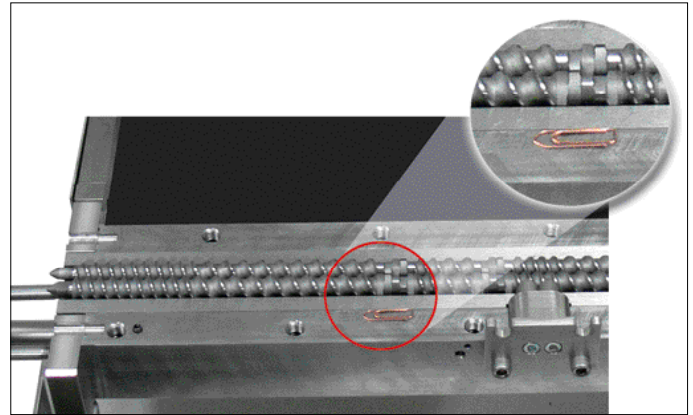
Application

The Brabender® Mini-Compounder KETSE 12/36 D has an integrated drive with an output of 2.4 kW and reaches speeds up to max. 600 U/min. The clam shell barrel which is divided horizontally, can be tilted open, and allows visual assessment of individual processing steps. Furthermore, a comfortable mounting of the screws and a quick cleaning of the barrels are possible. In addition to the main metering, metering or venting ports at a barrel length of 6 D, 11 D and 25 D are available. Side feeding can be installed at 14 D length.

Principle

The modular screw conception offers all individual processing possibilities. Even minimum samples, as it is especially required in the pharmaceutical industry, can be processed with the Mini-Compounder KETSE 12/36 D.

The Mini-Compounder KETSE 12/36 D is supported by CAN open bus technology. Recording and evaluation of measuring data as well as control of the entire machine system are done with easy-to-handle software under Windows®.



Miniature screws compared with a paper clip

Mini-Compounder	
Screw diameter	12 mm
Screw length	450 mm
Drive	2.4 kW (inverter drive)
Max. Torque	20 Nm
Speed	1 - 600 min ⁻¹
Throughput	approx. 0.1 - 5 kg/h
Temperature control	8 heating and cooling zones
Pressure	150 bar
Max. operating temperature	400°C
Materials	liquid, pulverized, pelletized
Mains connection	3x 400 V, 50 Hz, 32 A, + N + PE
Dimensions (W x H x D)	1150 x 1190 x 650 mm
Weight	approx. 230 kg net

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