



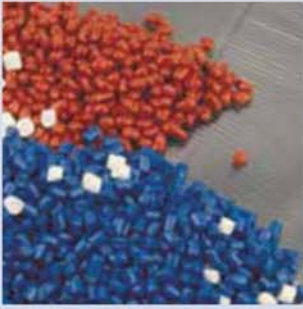
## Mini-Compounder KETSE 12/36 D

Twin screw extruder in miniature  
for the plastics and  
pharmaceutical industry



... where quality is measured.

# Mini-Compounder KETSE 12/36 D



The **Brabender® Mini-Compounder KETSE 12/36 D** is a co-rotating twin screw extruder miniature with application to the chemical as well as to the pharmaceutical industry for material research and process simulation.

## Application

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 KETSE 12/36 D** as an excellent laboratory apparatus.

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**.

## Principle

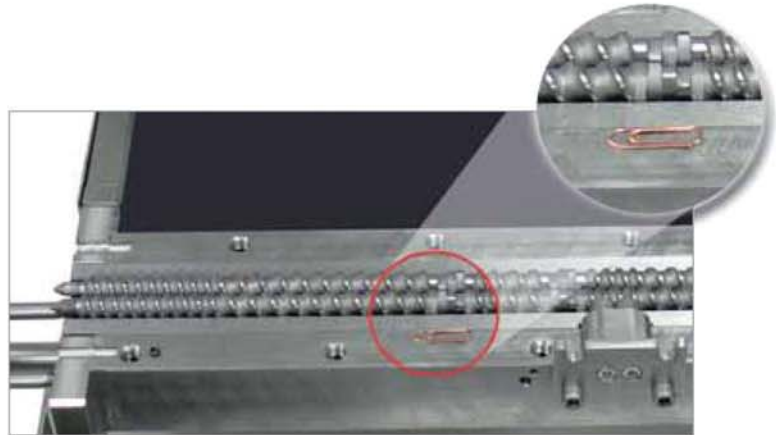
The **Mini-Compounder KETSE 12/36 D** has an integrated drive with a power of 2.4 kW and reaches speeds up to max. 600 U/min.

The clam shell barrel 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 is possible.

In addition to the main metering, metering or venting ports at a barrel length of 4,5 D (for liquids only), 10 D and 27 D are available. Side feeding can be installed at 12 D length.

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®.

Of course, the necessary additional equipment like measuring and control units or metering systems (gravimetric, volumetric, liquid) as well as down-stream equipment is available, too, allowing for modular setup of complete extrusion lines.



Miniature screws compared with a paper clip

## Mini-Compounder

<b>Screw diameter:</b>	12 mm
<b>Screw length:</b>	36 D
<b>Heating / cooling zones:</b>	3 electrically heated / water cooled
<b>Drive:</b>	2.4 kW (inverter drive)
<b>Max. Torque:</b>	2 x 15 Nm
<b>Speed:</b>	1 - 600 min <sup>-1</sup>
<b>Temperature controller:</b>	8 zones
<b>Pressure:</b>	150 bar
<b>Max. operating temperature:</b>	400 °C
<b>Materials:</b>	granules, powder, liquid
<b>Output:</b>	approx. 0.06 - 5 kg/h
<b>Mains:</b>	3 x 400 V, 50 Hz, 32 A, +N +PE
<b>Dimensions (W x H x D):</b>	1150 mm x 650 mm x 1190 mm
<b>Weight:</b>	230 kg



C.W. Brabender® laboratory

## C.W. Brabender® support

A modern applications laboratory is available for all customers and interested parties for trials with their own materials. All **C.W. Brabender®** measuring systems can be tested under ideal conditions. An experienced expert team will assist all tests.

Together we will find the optimal solution to meet your testing needs.



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