



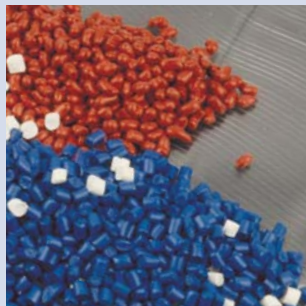
## Lab-Compounder KETSE 20/40 D

Twin screw extruder



... where quality is measured.

# Lab-Compounder KETSE 20/40 D



With the new **Lab-Compounder KETSE 20/40 D**, **Brabender®** offers a co-rotating twin screw extruder as miniature scale with application to the chemical industry for material research and process simulation.



TSE 20/40 D with opened barrel



**Brabender®** experimental laboratory

## Brabender® support

A modern applicational laboratory is at the disposal of all customers and interested parties for trials with their own materials. All **Brabender®** measuring systems can be tested under practice-oriented conditions. An experienced expert team will assist the tests and will stay at your disposal at any time for further questions.

Together, we will find the optimum solutions for your special problems and prove their suitability.

## 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 **KETSE 20/40 D** as an excellent laboratory apparatus.

The modular screw conception offers all individual processing possibilities. Further **Brabender®** accessories like metering systems as well as various downstream equipment are available to setup complete extrusion lines.

## Principle

The **Lab-Compounder KETSE 20/40 D** has an integrated drive with a power of 11 kW and reaches speed up to max. 1200 rpm. The clam shell barrel (length: 40 D) 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 cylinder is possible.

In addition to the main metering, metering or venting ports at a barrel length of 10 D, 20 D and 30 D are available. Side feeding can be installed at 12 D and 22 D length.

The **Lab-Compounder KETSE 20/40 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.



Lab-Compounder  
KETSE 20/40 D



Lab-Compounder  
KETSE 20/40 D EC

	KETSE 20/40 D	KETSE 20/40 D EC
<b>Screw diameter:</b>	20 mm	20 mm
<b>Screw length:</b>	40 D	40 D
<b>Heating / cooling zones:</b>	4 electrically heated / water cooled	4 electrically heated / water cooled
<b>Drive:</b>	11 kW	5,2 kW
<b>Max. torque:</b>	2x40 Nm	2x40 Nm
<b>Speed:</b>	1 - 1200 min <sup>-1</sup>	1 - 600 min <sup>-1</sup>
<b>Temperature controller:</b>	8 zones	8 zones
<b>Pressure:</b>	300 bar	300 bar
<b>Max. temperature:</b>	400 °C	400 °C
<b>Materials:</b>	granules, powder, fiber, liquid	granules, powder, fiber, liquid
<b>Output:</b>	0.5 - 20 kg/h	0.5 - 9 kg/h
<b>Mains:</b>	3 x 400 V, 50/60 Hz, +N +PE, 63 A	3 x 400 V, 50/60 Hz, +N +PE, 32 A
<b>Dimensions (W x H x D):</b>	1660 mm x 1230 mm x 730 mm	1850 mm x 1230 mm x 770 mm
<b>Weight:</b>	approx. 525 kg	approx. 425 kg



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