



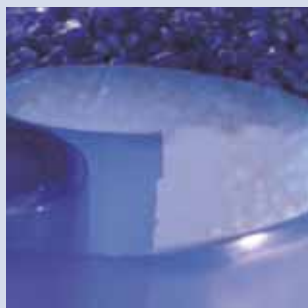
Stand-alone extruders KE 19 / KE 30

Versatile and efficient



... where quality is measured.

Versatile
Efficient



Processing and Material Testing

Brabender® stand-alone extruders are directly driven multi-purpose machines for testing and processing a large variety of materials like e.g.

- Plastics
- Elastomers
- Foodstuff
- Building materials
- Pharmaceuticals

Their compact design and convincing technical features make these machines the ideal solutions for applications both in laboratories and small-scale production.



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 optimal solutions for your special problems and prove their suitability.

Stand-alone extruders

Application

In combination with the large program of screws and die heads, **Brabender® stand-alone extruders** are perfectly suited for

- The development of new products
- Testing the processing behaviour for recipe development or incoming and final material inspection
- Quality control during production
- In combination with measuring heads
- Production of small tubes and profiles
- Production of blown and flat films

Equipped with a grooved feed zone and a barrier screw and an appropriate drive power, throughputs comparable to high-performance extrusion can be achieved.

A large program of downstream equipment is available to set up complete processing lines.

Self-intelligence

The self-intelligence of temperature controllers, speed controller, and pressure sensors includes self-validation (recognition of type, measuring range and admissible operating parameters) and automatic self-diagnostics.

In combination with digital real-time data communication, this provides for utmost operational safety of the entire system.

Expandability

The CAN bus system of the stand-alone extruders is a multi-master system with self-supporting modules like temperature controllers, pressure sensors, etc. Additional equipment for the extruder like dosing units, melt pumps, etc. as well as manifold downstream equipment incl. the corresponding control system can easily be integrated via the CAN bus into the extrusion line with CAN PC control. This makes the new series extremely flexible and open to expansion whenever needed.

Software

The convincing features of the **stand-alone extruder** series are completed by a powerful control and evaluation software under Windows®, saving of operation and evaluation data in a MS Access database, and convertibility of the data for commercial Office programs. A special data correlation program is available for further analysis of the test results.

Apart from manual operation, these machine can optionally network with local data nets.



Stand-alone extruder	KE 19*	KE 30
Barrel diameter	19 mm	30mm
Screw length	20 - 25 D	20 - 25 D
Drive power	2.4 kW	7.5 kW
Speed	0.2 - 150 min ⁻¹	0.2 - 150 min ⁻¹
Max. screw torque	150 Nm	400 Nm
Max. operating temperature	450 °C	450 °C
Max. troughput	approx. 5 kgs/h	approx. 15 kgs/h

* also available for food extrusion with forced screw feeding and grooved barrel



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