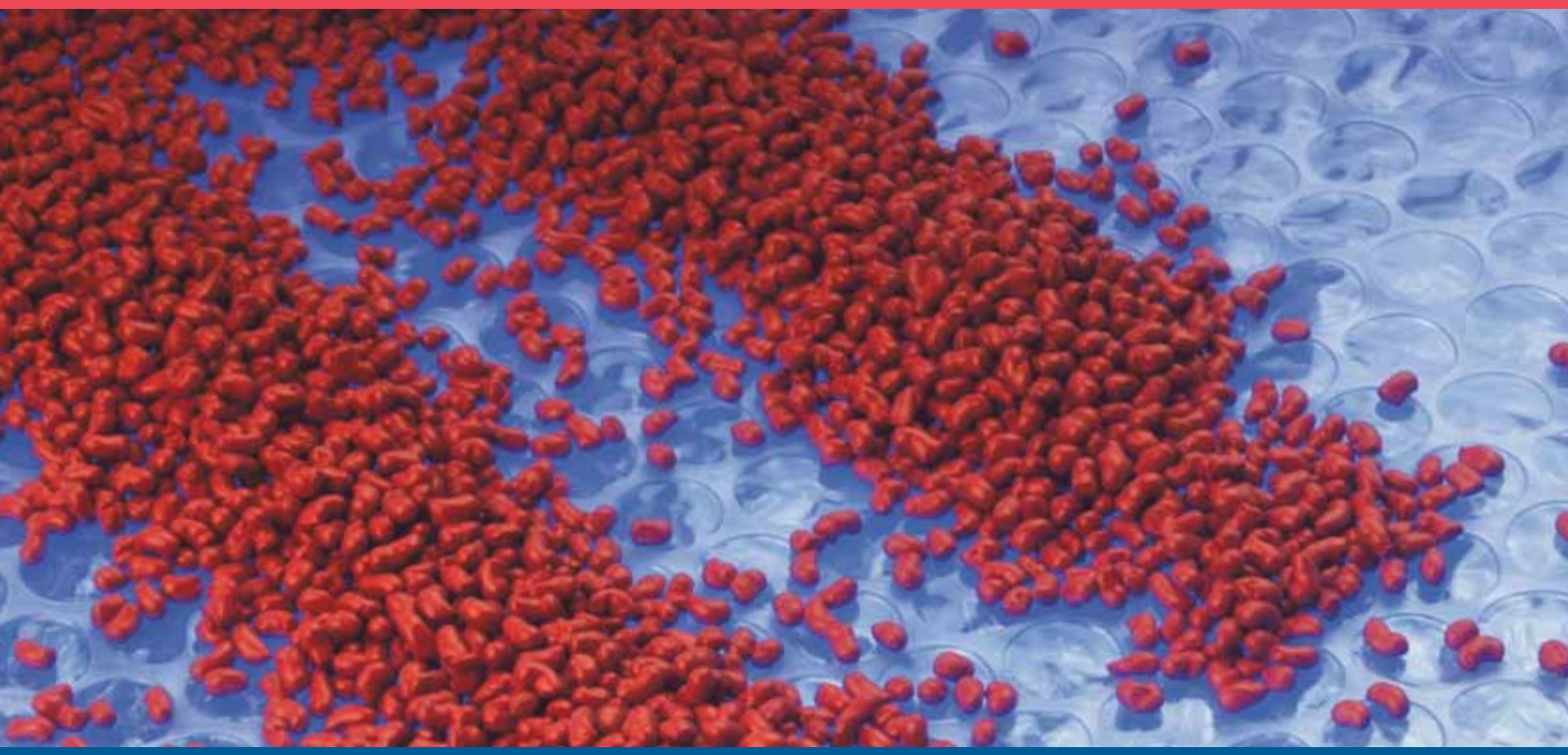
Brabender®



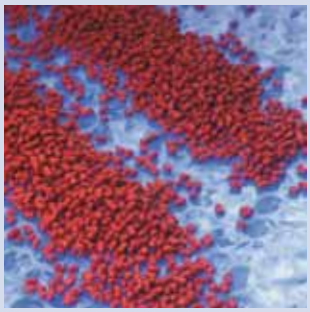
Plasti-Corder® Lab-Station

Torque Rheometer for applicational investigations and simulation in laboratories

... where quality is measured.

Modular
Intelligent
Expansible

Plasti-Corder® Lab-Station / Lab-Station EC



Plasti-Corder® Lab-Station / Lab-Station EC are torque rheometers for applicational investigations or processing tasks in laboratories and for simulation.

- Raw material and recipe development
- Material testing
- Quality control parallel to production
- Optimization of the production process
- Laboratory-scale production of samples for further investigations

Realize all processing steps that are relevant to most different polymers (PVC, HDPE, LDPE, PP, PS, SAN, ABS, POM, PC, PA, etc.):

- Compounding
- Coloring
- Filling and reinforcement
- Homogenization
- Venting
- Batch production
- Thermo-mechanical degradation
- Polymerization
- Reactive extrusion

CAN bus control panel for parameter settings & digital and diagram value indication

CAN bus system

The integration of a modern field-bus system into the new **Plasti-Corder® Lab-Station / Lab-Station EC** makes working a real breeze: permanent communication between control modules, sensors, and computer, easy wiring of the system components, manifold expansion facilities - just plug and play. All control modules and sensors required for additional equipment are allocated to the docking stations and are recognized automatically after coupling.

Integration of the performance electronics in the individual docking stations allows preheating of the measuring head even without the basic unit or cleaning of the extruder or mixer under temperature. For such manual operation, all important control data can be read on a control panel at the **Plasti-Corder® Lab-Station**.

Profit from state of the art software packages for recording, representing, and evaluating your measuring data and documenting your tests.

Measuring Extruder 19/25 D

Brabender® single screw extruders are available with barrel diameters of 19 and 30 mm. With processing lengths of 10 to 25 D and manifold screw geometries, throughputs range from 0.2 to 15 kgs/h. The **Extrusiograph®** is mostly used for measuring tasks like recording of torque, melt pressure, and temperature development along the barrel and the die for a scale-up to production conditions, or for flow curve determination.

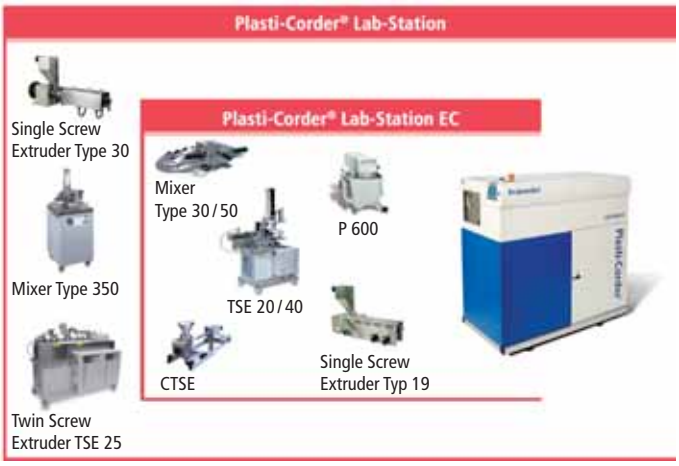
Made in Germany since 1923

Step-controlled Measuring Mixer

With **Brabender®** measuring mixers, you can simulate on a laboratory scale all processes like compounding, mixing, masticating, etc. that are relevant for production and processing of polymers and other plastic and plastifiable materials. Or use them for producing your sample material or for reactive processing.

Twin Screw Extruder TSE 20

Profit from the flexibility and high performance of **Brabender®** twin screw technology for optimally adapting your processing machines for laboratory and small-scale production to various processing tasks.



Plasti-Corder® Lab-Station / Lab-Station EC		
Power:	16 kW	6,8 kW
Measuring range:	400 Nm	300 Nm
Torque deviation:	0.15 %	
Speed range:	0.2 - 350 min^{-1}	0.2 - 200 min^{-1}
Speed deviation:	0.2 % through digital feedback	
Temperature control:	8 zones	
Mains:	3 x 400 V, 50/60 Hz, 63 A, +N +PE / 3 x 400 V, 50/60 Hz, 32 A, +N +PE	
Dimensions (W x H x D):	630 mm x 1300 mm x 1170 mm	
Weight:	340 kg	302 kg

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DIN EN ISO 9001 TAW Cert Zert.Nr.: 18020513

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