

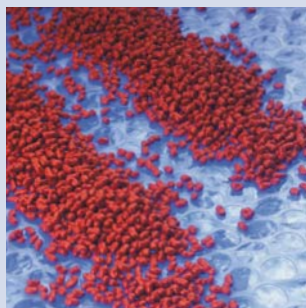


Plastograph® EC plus

Torque Rheometer for applicational investigations
and simulation in laboratory



Modular
Intelligent
Expandable



Brabender® Plastograph® EC and **EC plus** are the economical table-top versions of an universal torque rheometer applied all over the world for investigation and simulation in laboratories.

The **Plastograph® EC** and **EC plus** are the perfect measuring drives for practice-oriented measurements with the **Brabender®** measuring heads for

- 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



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

Plastograph® EC / Plastograph® EC plus

Brabender® Plastograph® EC and **EC plus** serve for testing the processibility of thermoplastics, thermosets, elastomers, ceramic molding materials, fillers, pigments, and many other plastic and plastifiable materials under practice-oriented conditions, cost-effectively, reliably, with little expenditure of time and material.

The **Plastograph® EC plus** is the advanced version for measuring mixers and extruders. Use the extruder attachment for single screw and conical twin screw extruders.

Profit from the reliability and practice orientation of both measuring systems for testing and documenting the processibility of a large variety of materials.

CAN bus system

The integration of a modern field-bus system into the new **Plastograph® EC / EC plus** 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.

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

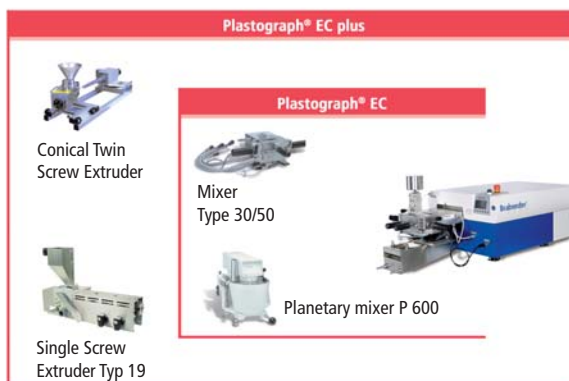
For manual operation, all important control data can be read on a control panel at the **Plastograph® EC** and **EC plus**

- Modular configuration
- Multi-master system with self-intelligence modules
- Self-validation
- Real-time transmission of events and actual values
- 32-bit software for all current Windows® versions
- Real multitasking



Brabender® GmbH & Co. KG

Kulturstr. 51-55 · 47055 Duisburg · Germany
Tel.: +49 203 7788-0 · Fax: +49 203 7788-101
E-Mail: plastic-sales@brabender.com
www.brabender.com



Measuring Heads

Extrusigraph® / Conical Twin Screw Extruder

Brabender® measuring extruders and the CTSE are interchangeable measuring heads which, in connection with **Plastograph® EC plus**, serve for testing the extrudability of polymers and for studying problems occurring in research and development as well as in practical application. The counter-rotating twin screw extruder CTSE offers all advantages of counter-rotating twin screw extruders such as: forced feed, high output at short residence time, self-cleaning and careful plastification.

Measuring Mixers

Brabender® series 30 and 50 mixers as well as planetary mixers, are easily attached as measuring heads to the **Plastograph® EC** and simulate on a laboratory scale processes like compounding, mixing, masticating, etc. that are relevant for production and processing of polymers and other plastic and plastifiable material.

Plastograph® EC / Plastograph® EC plus

Power:	3.8 kW
Measuring range:	200 Nm
Torque deviation:	0.15 %
Speed range:	0.2 - 150 min ⁻¹
Speed deviation:	0.2 % through digital feedback
Temperature control:	Plastograph® EC: 3 zones Plastograph® EC plus: 6 zones
Mains:	3 x 400 V, 50/60 Hz, 32 A, +N +PE optional: 3 x 200 V, 50/60 Hz, +N +PE, 32 A without transformer
Dimensions: (W x H x D)	650 mm x 480 mm x 1150 mm
Weight:	150 kg



Brabender® agencies all over the world
© 2013 Brabender® GmbH & Co. KG
All trademarks are registered.
Subject to change of design and technical modification without notice.