



## Filter Pressure Test (FPT)

The OCS Filter Pressure Test (FPT) determines the Filter Pressure Value (FPV), i.e. the pressure rise measured over time upstream of the screen filter as an indication of the melt purity or dispersibility of added colour pigments. The OCS Measuring Extruder (ME) melts and homogenises the test material, which is then delivered to the filter via a melt pump at a defined and constant volume flow. The increasing pressure of the polymer melt is displayed, continuously recorded and finally evaluated.

### Testable Raw Materials

- Pellets

### Features

- Pressure and melting temperature measurement
- Simple sieve change
- Data recording and evaluation using OCS Filter Test Software
- Fulfilment of DIN EN 13900-5

### Compatible with

- OCS Measuring Extruder (ME)

### Sales Team



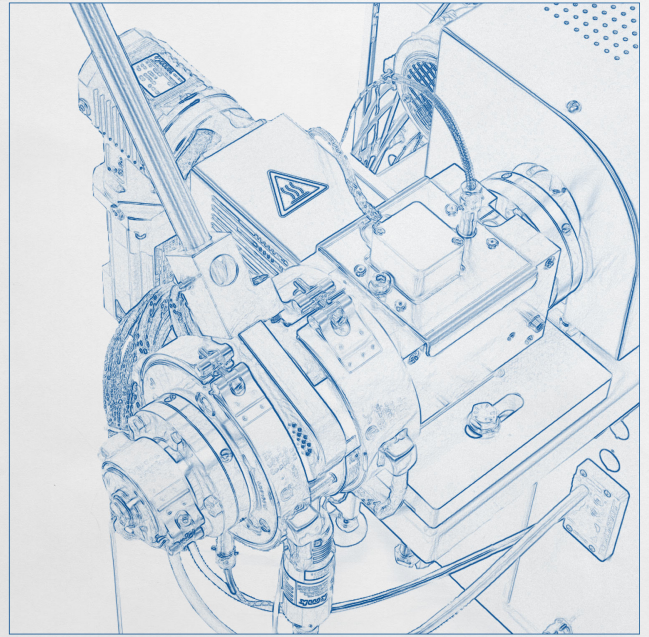
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### Address

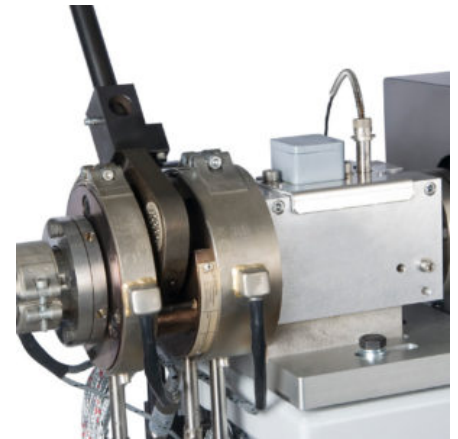
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Germany

### Technical Details

<b>Barrel diameter</b>	20, 25, 30 mm (3 heating zones with thermocouples for barrel, 4 additional heating zones for melt pump and adapter, 3 cooling zones with low-pressure blower)
<b>Screw compression</b>	1:1, 2:1, 3:1, 4:1, with and without mixing zone (others on request)
<b>Rotation</b>	0–150 rpm



### More Product Pictures

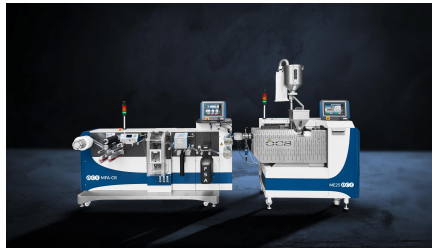


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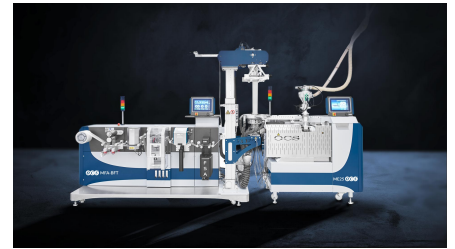
### Measuring Extruder (ME20/ME25/ME30/ME40/ME45)

The OCS Measuring Extruder (ME) is used for the production of polymer films for laboratory and small series production. The extruder is equipped with a flat film die and, if necessary, a downstream OCS Modular Film Analyser to enable further quality measurements. The system is controlled via a touch panel to set up device parameters and recipes. In addition, the optional Remote Control Function allows the Measuring Extruder (ME) to be displayed and controlled from various locations. Another feature is the automatic turning system, which allows easy cleaning of the extruder barrel, die and screw. The extruder then automatically ... [read more on our Website]



### Cast Film Line

The OCS Cast Film Line is used to perform optical and physical property measurements of polymers in the production of high-quality cast (flat) films (extrusion, cooling, stripping and winding). All settings and parameters, e.g. extruder speed, temperature, film tension, winding force, winder diameter, are stored by a touch panel control system which guarantees that the film quality can be reproduced at any time. This is an important parameter for optical and physical on-/offline measurements, for example in detecting gels, contaminations, degradations and other impurities as well as haze, gloss, density and additive measurement. Possible testable polymers include, for example, ... [read more on our Website]



### Blown Film Line

The OCS Blown Film Line is used to carry out optical and physical property measurements of polymers in the production of high-quality blown films (blowing, cooling, laying flat, haul-off and winding). All parameters of the line, e.g. extruder speed, temperature, haul-off speed, film width, film bubble ratio, are stored by a touch panel control system, which ensures that the film quality is reproducible at any time. This is an important parameter for optical and physical on-/offline measurements, for use with gels, impurities, fibres and other contaminants, as well as for turbidity, transmission, gloss, density and additive measurements. Possible testable ... [read more on our Website]

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