

## OCS - Optical Control Systems GmbH

As one of the world's leading manufacturers of optical quality control systems, OCS supplies customised and complete solutions in the fields of digital image processing, optical measurement and automation. Our systems ensure maximum product quality control. With the aid of precision cameras in conjunction with high performance online image processing, even the smallest defects in polymer products are detected, located and analysed in detail. The applications for OCS systems range from laboratory use to complete integration into the production process.

Leading manufacturers in the petrochemicals and polymer industries benefit from these features. In Europe and the USA, Canada, South America and Asia: everywhere in the world, our system solutions are successfully in service. With a highly expert and innovative team of development and production engineers, OCS supplies top level technology and know-how worldwide – always at the leading edge with our systematic research and development work. Our manufacturing processes, delivery, installation and user training are also state of the art. Service to our clients is our paramount aim: in no time we will repair damaged systems worldwide – guaranteed.



## Measuring-Extruder 20/25D (type ME 20/26)



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## Application

The Measuring-Extruder 20/25D (type ME 20/26) can be used optimally with the CR-7 or alternatively the CR-8 for the production of narrow cast film to monitor the quality of polymers for laboratory and production line use.

## Components

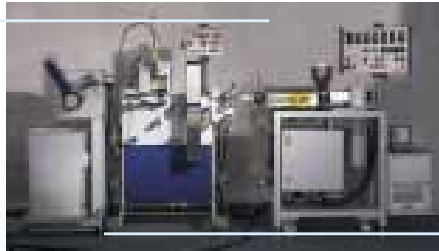
The extruder and the drive unit are mounted on a steel frame with adjustable height which comprises the housing in which the electric drive components are situated. This allows easy access for parts exchange and servicing.

Electrical control via a revolving control cabinet is ergonomically located above the extruder. Because of this, a good overall view of the operating panel from every position is ensured.

## Features

All of the data relevant to the extrusion can be recorded and later evaluated. Any PC is suitable to display this.

For automated applications, it is possible to control the complete extruder remotely using an interface.



## Options

A 45-degree adapter is available which optimises the casting point on a chill roll and is mounted between the die and the extruder. Melt pressure and melt temperature can also be displayed using a measuring ring.

The extruder can be fitted with a pressure / speed controller. Furthermore, the current torque of the driving unit can be indicated.



A special on-line hopper has been designed to take only as much material as the feeding zone of the extruder can take. This way, the shortest possible reaction time of the measuring system to changes in the material quality is ensured.

Different cast film dies (50 - 150 mm) can be mounted to the extruder. Screws with different compression ratios (1:1, 2:1, 3:1, 4:1) with and without mixing zone. This allows a large range of raw materials to be tested.

