Pelletiser System

The OCS Pelletiser System is used for product development and testing, process simulation and for the small-scale production of polymers with modified quality characteristics. A special feature of the pelletising system is the variable adjustment possibilities for the different compression ratios and mixing zones. Extrusion, cooling, drying and pelletising are combined in one OCS system to enable constant and continuous pelletising.

For this purpose, the material mixture is first fed into the OCS Measuring Extruder (ME) via the feed hopper, producing the required strand. This strand is finally cooled in a water bath, dried by means of a compressed air nozzle and cut into pellets. In this way, new recipes such as additive matrices and masterbatch compounds can be provided quickly and easily for further pellet analysis.

Testable Raw Materials

- Pellets, compounds and masterbatch

Features

- Monitoring of the process data via the Touch Panel of the OCS Measuring Extruder (ME)
- Setting of options for different compaction ratios and mixing zones
- Strand cutting plate with 1 or 2 outlets of from 3 to 6 mm
- Stainless steel water bath with compressed air nozzle for drying
- Pelleting unit with adjustable speed and pellet collector

[vc_video link="https://youtu.be/9KH3njUxOmk"]

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Similar Products

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]