Optical Control Systems



Pellet Transport System (PTS)

The OCS Pellet Transport System (PTS) is a control system that ensures the continuous and automatic transport of plastic granules (pellets) between production lines and measuring systems. The pellets from the production line are removed by pneumatic samplers. The samples are transported through special conveyor pipes, distributed and fed to the corresponding measuring system. This ensures a gentle transport of the pellets to avoid dust and streamers.

Features

- Individual and fully automated transport system for supplying the measuring systems
- Enables timely readjustment in case of parameter variations (minimisation of scrap)
- Simple operation via touch panel with optical and acoustic alarm functions
- Optimised transport speed for every application

Compatible with

- All OCS Equipment

Sales Team



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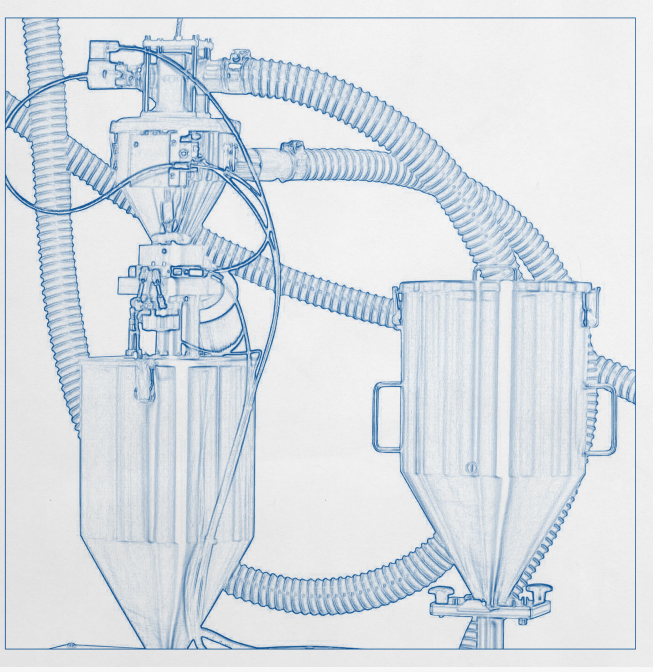
Address

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Wullener Feld 24
58454 Witten
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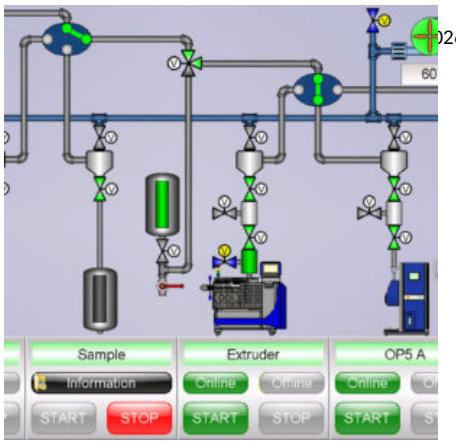
Technical Details

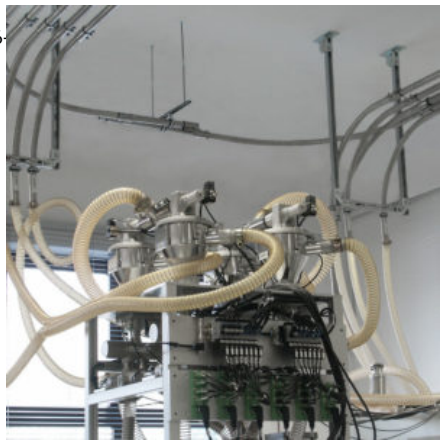
Transportation distance	Standard up to 250 m (larger

	distances depending on product/application)



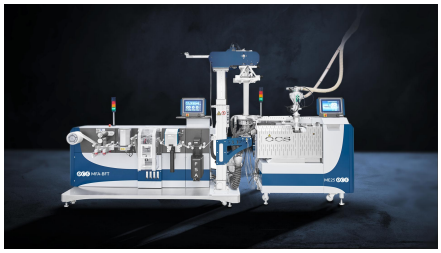
More Product Pictures





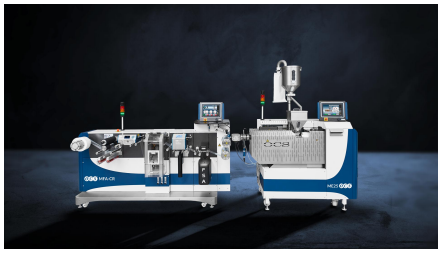


Similar Products



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 polymers ... [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, PP, ... [read more on our Website]



Tape Line (TCA®)

The OCS Tape Line Type TCA® is used for testing transparent polymer films (tape). It consists of the OCS Measuring Extruder (ME) and the OCS Modular Film Analyser with Calender (MFA-Calender). Our calendaring system has been specially developed for the wire and cable industry. It presses and cools the extruded polymer film (tape) from both sides, thus ensuring a smooth and consistent surface thickness for optical anlysis. The Tape Quality Analyser (TQA100) contains a high-resolution camera system that detects contaminants, gels, black specks, fibres and metal particles. The detected errors are marked by the LASER Marking System (LM100) or the ... [read more on our Website]



Tape Line (SSA®)

The OCS Tape Line type SSA® is used specifically to detect surface irregularities (pips) on non-transparent polymer films (tape) in the wire and cable industry. The SSA® Line consists of a Measuring Extruder (ME) and a Modular Film Analyser with a Chill Roll (MFA-CR). During the measurement of the surfaces, the extruded polymer film (tape) passes over a chill roll, which leads the tape to the Surface Quality Analyser (SQA). This high-resolution CMOS camera system uses a specially developed measuring roll to measure the height of the surface defects (so-called pips or agglomerates) with a resolution of 1 µm. ... [read more on our Website]



Pellet Analysing System (PA66)

The modular OCS Pellet Analysing System (PA66) consists of the following components: The Pellet Scanner (PS25C) detects impurities that show a colour deviation from the product The Pellet Size and Shape Distribution Measurement (PSSD) classifies pellets (oversize and undersize, abrasion, agglomerates, etc.) according to their morphological properties The Colour Measurement (CM3) measures relevant colour values (Yellowness Index , Whiteness Index , CIE L*a*b*, etc.) based on the recorded colour spectrum (optional) A further advantage is the data transfer of real-time results to the production and process control. [vc_column width="1/2"] Testable Raw Materials Highly transparent pellets Opaque pellets Includes OCS Pellet ... [read more on



Pellet Scanner (PS800C)

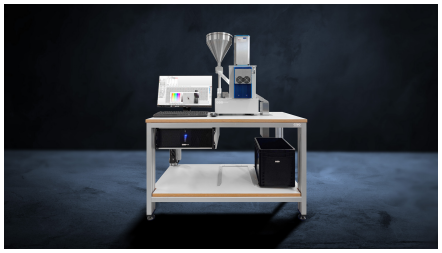
With the OCS Pellet Scanner (PS800C), highly transparent and opaque pellets can be analysed in free fall using two separate colour line scan cameras (inspection of the front and back of the pellet stream). The system detects impurities that show a colour deviation from the product. An additional feature of the PS800C is a multi-track flap system that sorts out the contaminated pellets. The masterbatch concentration can also be determined. Further advantages are the data transfer of real-time results to the production and process control as well as product improvement through the sorting out of contaminated pellets. [vc_column width="1/2"] Testable ... [read more on our Website]

our Website]



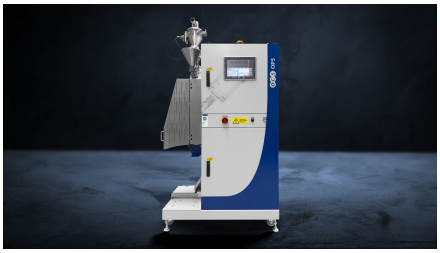
Pellet Scanner (PS200C)

The OCS Pellet Scanner (PS200C) can analyse opaque pellets on a rotating plate using of a colour matrix camera. The system detects impurities that show a colour deviation from the product. An additional feature of the PS200C is a multi-track flap system that sorts out the contaminated pellets. Further advantages are the data transfer of real-time results to the production and process control as well as product improvement through the sorting out of contaminated pellets. [vc_column width="1/2"] Testable Raw Materials Opaque pellets [vc_column width="1/2"] Features High-performance 3CMOS colour matrix camera Smallest detectable contamination size: 55 µm Throughput rate of up … [read more on our Website]



Pellet Scanner (PS25C)

With the OCS Pellet Scanner (PS25C), highly transparent and opaque pellets can be analysed on a vibration plate using a colour matrix camera. The system detects impurities that show a colour deviation from the product. An additional feature of the PS25C is a multi-track flap system (optional), which sorts out the contaminated pellets. Further advantages are the data transfer of the real-time results to the production and process control as well as the subsequent evaluation of the sorted-out pellets by further analysis systems. [vc_column width="1/2"] Testable Raw Materials Highly transparent pellets Opaque pellets Features High-performance 3CMOS colour matrix camera Smallest … [read more on our Website]



Melt Flow Measurement System (OP5)

The OCS Melt Flow Measurement System (OP5) allows the measurement of the Melt Index (MI) of polymer powder or pellet samples. The time between sampling and measurement is 5 to 10 minutes. The OP5 melt process minimises any changes in the structure of the polymer by providing a very fast transition from solid to liquid without the negative effects of an extruder screw. The OP5 MFR measurement process is carried out by means of exact control of the melt flow in combination with a highly precise, OCS-developed melt-pressure measurement technique. This method typically achieves a reproducibility of +/− 1%. The … [read more on our Website]



X-Ray Pellet Scanner (XP7)

The new OCS XP7 X-Ray Pellet Scanner detects metal defects in highly transparent and opaque pellets, which improves the polymer and product quality. The innovative X-ray technology in the measuring system of the XP7 analyses images of the pellet stream in real time. Due to the different absorption of the X-rays in the metal and in the polymer, the embedded metal particles can be detected from a size of 50 µm. Contaminated pellets are sorted out by a multi-track air nozzle system. [vc_column width="1/2"] Testable Raw Materials Highly transparent pellets Opaque pellets [vc_column width="1/2"] Features High-resolution X-ray image Smallest detectable … [read more on our Website]

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