

Pellet Size & Shape Distribution Measurement (PSSD)

With the OCS Pellet Size and Shape Distribution System (PSSD), all types of pellets can be analysed in free fall using a line scan camera. The system classifies pellets (over- and undersize, abrasion, agglomerates, etc.) according to their morphological properties. Further special features of the PSSD are the monitoring of the pelleting system (degree of abrasion of the cutters), the determination of the pellet weight (with optional weighing system) and the data transfer of the real-time results to the production and process control.

Testable Raw Materials

- All types of pellets

Features

- High-speed CMOS line scan camera (monochrome)
- Smallest detectable contamination size: 71 µm
- Throughput rate of up to 18 kg/h depending on pellet properties
- Visualisation of the real-time results

Compatible with

- OCS Pellet Scanner (PS25C)

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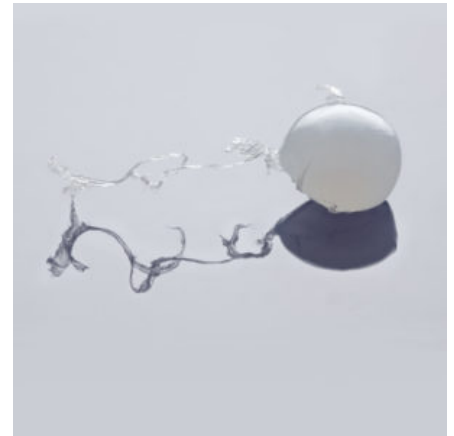
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Technical Details

Camera	CMOS colour matrix camera
Resolution	71 µm
Lighting	High-power LED with white light spectrum
Communication protocol	MODBUS (RTU, TCP/IP), PROFIBUS, PROFINET, OPC (Server/Client), CSV file, customer-specific

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Colour Measurement (CM3)

With the OCS Colour Measurement (CM3) all types of pellets can be analysed by means of a colour spectrometer in a measuring channel with an inspection glass. The CM3 is usually connected upstream of the Pellet Scanner (PS25C). This scanner determines relevant colour values (Yellowness Index, Whiteness Index, CIE L*a*b*, etc.) based on the recorded colour spectrum. [vc_column width="1/2"] Testable Raw Materials All types of pellets Features Visualisation of real-time results (by means of Pellet Scanner PS25C) [vc_column width="1/2"] Compatible with OCS Pellet Scanner (PS25C) OCS Pellet Analysing System (PA66) ... [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 ... [read more on our Website]



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 ... [read more on our Website]

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 ... [read more on our Website]

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