



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.

Testable Raw Materials

- Highly transparent pellets
- Opaque pellets
- Coloured pellets

Features

- Two high-performance colour line scan cameras
- Smallest detectable contamination size: 50 µm
- High-speed throughput rate of up to 1.200 kg/h depending on pellet properties
- Specially developed for the detection of impurities in highly transparent pellets
- Visualisation of the real-time results
- Multi-track flap system for sorting out contaminated pellets

[vc_video link="https://www.youtube.com/watch?v=Kt1b_-wUqGU"]

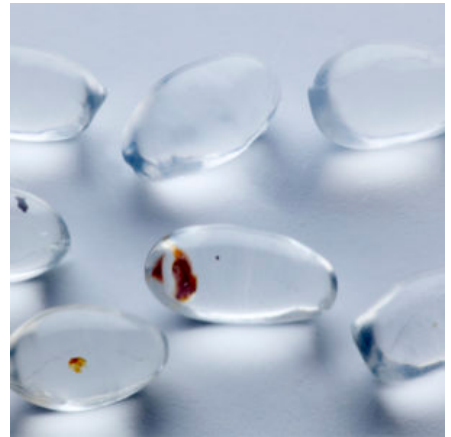
Sales Team



T +49 2302 95622-0
F +49 2302 95622-33
info@ocsgmbh.com
www.ocsgmbh.com

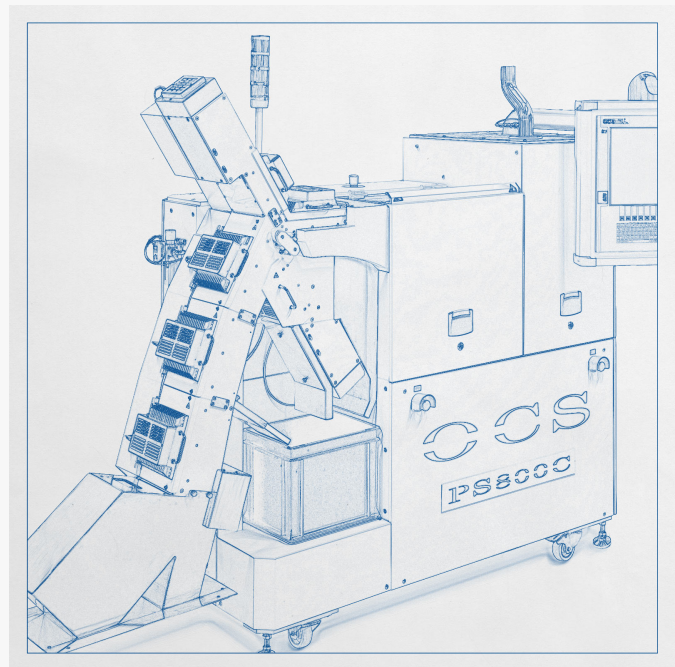
Address

OCS Optical Control Systems GmbH
Wullener Feld 24
58454 Witten
Germany



Technical Details

Camera	Two 3CMOS colour line scan cameras
Resolution	50 μm
Lighting	High-power LED white light spectrum
Communication protocol	MODBUS (RTU, TCP/IP), PROFIBUS, PROFINET, OPC (Server/Client), CSV file, customer-specific



More Product Pictures



Similar Products



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]



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]



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 ... [read more on our Website]

Images, drawings and data are non-binding and subject to modification without prior notice. © 2026. All rights reserved - OCS Optical Control Systems GmbH | Wullener Feld 24 | 58454 Witten, Germany