

The ultimate resource for Quality Control Systems

PRODUCTION OF POWDER TESTER – TOP OF THE LINE IN POWDER ANALYSIS

Powder Test PT-2C: Quality and Efficiency

The Powder Testing System (PT-2C) with colour camera counts and classifies contamination. Colour classes can be defined with the "teaching" tool to detect discolorations and foreign bodies which are different in colour to the bulk material, like PVC, PP, PE etc.

The system is capable of detecting contamination and discoloured powder particles (pink, yellow, brown, blanc etc.). These inhomogenities are sorted into different class sizes which are completely user definable. Furthermore, it is possible to define alarm limits. If these are exceeded, a floating contact is activated.

Application

The PT-2C is applicable for laboratory purposes as well as on-line inspection. The powder can be submitted as a sample or it can be withdrawn from the production line by creating a bypass. Using a bypass system gives the user the advantage of direct inspection of the material during the production process. This allows quicker reaction to any defects.

Software

This software offers a multitude of configuration possibilities, enabling the user to adapt the system exactly according to individual requirements.

The inspection can be observed on a monitor and visible defects marked and indexed. Images of special importance can be stored and the data presented in a variety of graphs and tables. A colour printer documents the results. The data, software settings and the time and duration of the inspection can be easily accessed. This facilitates later or long-term evaluation.

The Powder Testing System (PT-2C) has a rated capability of inspecting up to 1 kg/hour. The actual throughput is dependent on the physical characteristics of the powder. The system can be integrated in any internal data processing system using an existing software interface, e.g. Ethernet.

The unit is robust and maintenance-friendly.

Benefits:

- Improvement of quality (elimination of non-standard product)
- Labour savings
- Accurate and consistent automatic grading
- Reduction of customer returns and complaints
- Fast return on investment (ROI)

The Powder Testing System PT-2C



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