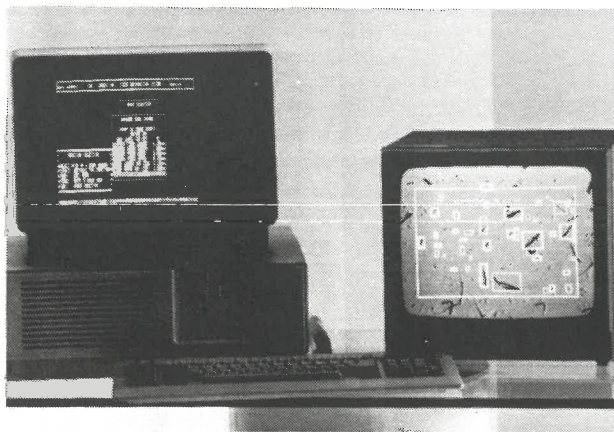# PARTICLE COUNTING SYSTEM

HIGHLIGHTS:

The system allows accurate counting and sizing of particles lying on a flat surface or filter, and can be used for the following applications:

- measurement of contaminating particles in pharmaceutical fluids or oils

- monitoring of clean room contamination in pharmaceutical or other manufacturing processes

- particle size profiling for the chemical and food industries

- profiling of sand for construction

- air and water quality monitoring

COMPONENTS:

The system comprises the following components:

- IBM-PC compatible computer
- Oculus-200 video digitizer board
- auxiliary monochrome image monitor

- camera and stand
- optional lighting accessory
- optional microscope

FEATURES:

- program generates particle size distributions in user-specified ranges

- allows accurate statistical analysis of populations of small, scarcely distributed particles

- calibration can be performed using standard-sized particles as a reference, or non-standard particles of known size distribution

- friendly, menu-driven user interface

- particle sizes ranging from sub-micron to millimeters can be handled

- the use of a microscope allows counting of smaller particles over correspondingly smaller areas

STANDARD SETTINGS:

A certain number of parameters (microscope magnification, shape of area to be analysed, camera calibration, etc...) must be defined for each analysis. For standardised

analyses, a given set of parameters can be saved on disk, and recalled before the analysis.
All components are assembled and tested

- Video digitizer and image processing boards for the IBM and VME buses

A user's manual containing detailed operating instructions is supplied.

Delivery is made within one month of receipt of order.

- Image analysis software
- Turn-key systems

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