POWDER SCAN

Powderscan P4000 0n-line Monitoring for measuring the quality of powder products

The **P4000 POWDERSCAN** gives users the ability to measure their product quality using parameters such as black specks, brown specks, percentage of black specks and percentage of brown specks **accurately** and **consistently**. The system can also be configured to generate a quality reading that is more significant to you and your customers such as grade or mesh scale.

The **P4000 POWDERSCAN** system uses the same intelligent algorithm and hardware as the **P2000** laboratory system, therefore giving you the ability to rec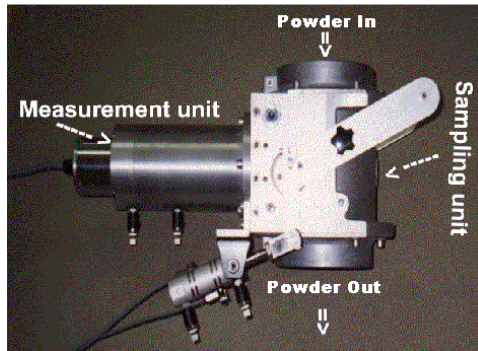eive the same information in both on-line and laboratory conditions. The specially developed algorithm and hardware, means daily calibrations are not required which in turn means user intervention is kept to a minimum.

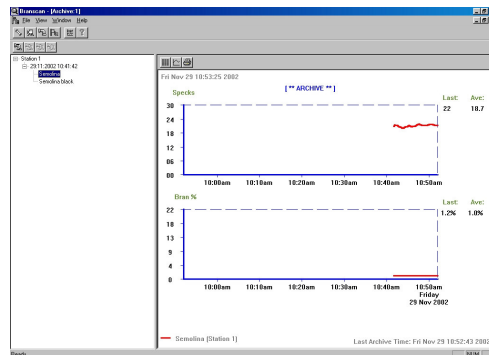**Benefits of the P4000 Powderscan on-line system:**

- Measure the amount of Black and brown specks continuously as well as the Percentage of brown and black specks in the product

- Optimise factory flow and process set-up to monitor quality output.

- Detect process problems immediately.

- No calibration or corrections required once the system is commissioned.

- PLC connectivity for alarms using digital relays is also available.

- Bespoke designs for process control

- Multiple measurement points

Technical details

- Results updated every 20-30 seconds, depending on the configuration selected.

- Measuring head is pneumatically activated.

- Alarm system incorporated to indicate when a product deviates from set parameters.

- Measuring unit can be mounted up to 100m from the PC control station, which is generally situated in the control room.

- Up to four separate heads per control unit. i.e. up to four measurement points

- Components: Measuring head (up to four), pneumatic control cabinet, PC monitor, printer and cables and airlines.

A Powderscan measuring head

Results shown graph form

Standard pipe fittings available, diameter:	120mm (5 in. nominal), 150 mm (6 in. nominal) 200 mm (8 in. nominal).
Dimensions of Measuring Station:	Depth 600 mm; Width 270 mm; Height 450mm.
Minimum PC Specification:	P3 2.0 GHz, 256MB Ram, 5Gb Hard Disk, 1 X PCI Slots.
PC Operating System:	Windows 98 SE, Windows 2000, Windows XP
Monitor Type:	CRT or LCD with SVGA cable
Screen Resolution:	1024 x 768 pixels
Printer:	Any printer can be connected.
Enclosure: Control cabinet	BS EN 60 204 HV / Magnetic Interference BS 7540 cabling.
Weight:	Measuring Head: 10 - 15 Kg. Depends on size. Pneumatic station: 20 Kg