

ON-LINE MEASURING FOR PERFORMANCE IMPROVEMENT



An expert monitoring and experienced technical process improvement service available when you need it and with no additional capital investment. For new powder processing systems and existing installations incorporating equipment from Hosokawa Micron or other manufacturers and suppliers.

Performance Improvement

- energy and utility savings
- increased yield and improved use of materials
- performance stability avoiding spikes and troughs
- reduced emissions and waste disposal costs
- lower maintenance costs
- accurate spare parts inventory scheduling
- improved operational practices
- process troubleshooting
- accurate process scale up



HOSOKAWA MICRON LTD

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Providing a full examination of plant and process operations using information and data commonly available through automated and manual monitoring and control systems Hosokawa Micron can help organisations reap the full benefit of their investment in powder processing systems.

For use across the chemical, food and pharmaceutical industries, Hosokawa Micron's Performance Improvement service can be utilised to examine large scale processes, pilot plant, laboratory and R&D plant and help assess and determine opportunities for improvement.



PLANT PERFORMANCE MONITORING

Modern automated plants generate huge volumes of data from existing control and monitoring systems; process flows, pressures, temperatures, qualities, energy use etc. These databases contain knowledge about process operations, about reasons for variations in throughput, emissions and plant failures.



MEASURING FOR IMPROVEMENT

Utilising specialist software to analyse large volumes of control system and operational data a full understanding of the process can be made, without external interference or production downtime. Analysis of the data enables Hosokawa Micron technical engineers to identify key indicators and to make recommendations for change.

PROCESS UNDERSTANDING AND MODELLING

From this knowledge an understanding of the plant and processes can be achieved and patterns or rules identified, against which, variances and anomalies can be measured. The Performance Improvement software system expresses patterns in an understandable form for use in production control strategies.

CLOSED LOOP PROCESS CONTROL

On-going measurement and analysis enables ideal operating conditions to be identified. Feedback on how the system is performing is measured against this data and pre-determined actions are automatically completed to run the system at optimal operating parameters. This closed loop system requires no day to day manual interference and can be set by the senior engineering team to control the system on, 'cruise control'.

OPTIMUM SOLUTIONS – QUICKLY & COST EFFECTIVELY



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The Hosokawa Micron Group will always be the leading global company covering the mountain range of Powder Technologies. The Group will achieve peaks of excellence in the development and commercialisation of advanced materials, process equipment and systems engineering.