



## On-line process analysers

### Application note Resolve 03-02

DSM operates a wide variety of chemical and physical processes. Accurate analysis of process streams is essential for proper process control and product quality monitoring. This is often accomplished by means of on-line analyzers. We have built up considerable expertise in the areas of on-line analysis of powdered and granulated solids, liquids and gases in products, feed streams and reaction mixtures in-process. Analytical techniques include gas chromatography, spectroscopy (NIRS, UV-VIS, mid-IR) melt index, ultrasonic, refractive index, mass spectrometry, explosion measurement, moisture determination and so forth. Important arguments for on-line analysis are cost savings over conventional techniques, instant availability of analytical data allowing better process control and higher production efficiency, and enhanced quality assurance.

DSM's Centre for In-Process Analyses (CIPA) will be happy to share its extensive know-how and experience with you to help you improve your process and product monitoring schemes. We can offer a wide variety of services ranging from consultancy and feasibility studies to the engineering and implementation of on-line process analyzers.

For more information please contact us.



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