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Product category: **Testing, analysing and monitoring equipment**
 News Release from: **Industrial Tomography Systems** | Subject: **Z8000**
 Edited by the Engineeringtalk Editorial Team on 17 April 2008

Tomography system captures speedy flows

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A new high speed tomography instrument can be used to measure and visualise rapid flows, like never before.

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The z8000 from Industrial Tomography Systems can capture online data at 1000 frames per second, which enables the measurement of rapid two-phase flow in a pipe or vessel. This is particularly useful for engineers operating in the petrochemical and mining sectors, where understanding flow behaviour is crucial.

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Process tomography validates CFD calculations
When Syntex needed to validate the CFD simulation of a new design of fixed-bed reactor it turned to the new technology of process tomography.

Electrical tomography provides a greater understanding of rapid flow regimes and possible application areas including slurry transportation and interface detection.

Unlike other measurement systems, which are traditionally point-based, electrical tomography can continuously scan across a volume and provide a picture of what is going on inside a process.

Industrial Tomography Systems is the leading supplier of electrical tomography instrumentation, sensors and software.

The technology is currently used in a wide range of [process industries](#) including petrochemicals, mining and the nuclear sectors.

The new instrument is addition to the company's existing m3000 model, which can measure multiphase flow through a pipe of vessel.

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