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NEW PARTICLE ANALYSIS INSTRUMENTATION AUTOMATICALLY IMAGES INDIVIDUAL PLASTIC RESIN PARTICLES TO VERIFY AND DOCUMENT QUALITY

New FlowCAM® Verifies Whether Material Meets Specifications

Patented Instrumentation Qualifies and Quantifies Outlier Particles That Others Miss

Yarmouth, ME: The automated FlowCAM® particle analysis system from the laboratory instrumentation firm, Fluid Imaging Technologies, Inc. in Yarmouth, Maine, (www.fluidimaging.com) provides high-resolution, full color digital images of every individual particle analyzed. This enables plastic resin manufacturers, compounders, testing laboratories and processors to verify and document whether a batch or shipment of material meets quality specifications prior to shipment, or upon arrival. Combining sophisticated digital imaging with traditional particle analysis tools, the FlowCAM accurately measures particle count, concentration, size, length, width, and shape as well as a series of proprietary, advanced parameters such as intensity, transparency, color, roughness, compactness and others. The FlowCAM **detects and counts particles from 1 um to 5 mm in size that other systems often overlook**, resulting in highly accurate data, precise particle size distribution measurements, confident analysis and ultimately in improved melt quality and uniformity.

The FlowCAM combines the speed and precision of a rapid particle analyzer with the quality and breadth of information traditionally gathered through microscopy. It saves each particle image with its corresponding data set in both a simple spreadsheet format and in the company's patented interactive scattergram format. With a simple mouse click on a particle size distribution, the FlowCAM permits in-depth, particle by particle review, visual analysis and cross-referencing. Operators can qualify and quantify sub-populations, such as particles above a certain size, within a data set. This reveals exactly how many oversized particles are in a batch of material as well as whether they are in fact oversized particles or merely agglomerations.

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