

JM CANTY

Process Technology

VECTOR SYSTEM - IN - LINE PARTICLE SIZING

JM CANTY announces the release of it's new 2-dimensional particle sizing systems. CANTY features an in-line, visually verifiable particle sizing system for use in powder applications, solid particles, crystallization processes, sugar pans, and virtually any particle sizing application. All functions are dynamic and completed in-line in your process. There are no sampling lines needed! Systems are available for 10 micron particles and larger.

WHAT IT IS

There are three components to a CANTY particle sizing system: the Vision System, the Canty Light, and the Vector System with Particle Sizing Software Module.

THE CANTY VISION SYSTEM

The Vision System is used to provide a video image for sizing analysis. No lasers are needed! The Vision System actually provides a live, full video picture of your process under pressure and temperature. This Vision System connects to your process in an NPT, flanged or tri clamp connection, and provides an in-line method for particle sizing analysis. There are no sampling lines, and particles are analyzed while subjected to actual process conditions. By choosing the correct particle sizing lens for your system, CANTY is able to view particles as small as 10 micron. The video from this Vision System is then fed into the Canty Vector System for analysis.

THE CANTY LIGHT

In order to properly illuminate the particles, a CANTY light is integrally mounted to your Vision System, thus providing video and lighting in the same compact connection. This high yield process light supplies the illumination necessary to provide a clear, crisp view of the particles in your process.

THE VECTOR SYSTEM

The Vector System is the key to processing the video data supplied by the Vision System. The Vector System is a microprocessor based analysis system which analyzes the images received from the CANTY Particle Sizing Vision System. Each image is polled, and dynamically analyzed to provide two-dimensional information on particle size, length, width, aspect ratio, distribution, and other useful information. Up to eight applications can be monitored and controlled by just one Vector System. Digital, screen, and 4-20 mA outputs are available.

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