

# **JM CANTY**

**Process Technology**

## **VECTOR SYSTEM - LAB PARTICLE SIZING SET-UP**

JM CANTY announces the release of it's new lab set-up for 2-dimensional particle sizing systems. CANTY features a visually verifiable particle sizing system for use in a lab or R & D environment. Systems are provided as a complete unit including a camera with manual micro zoom lens, light with a flex bundle, an x y stage to hold sample and a lab bench mount for positioning each component. Systems are available for 10 micron particles and larger and permit lab personnel to characterize process material for direct on - line measurements.

### ***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 sample. The customer must place sample on sample stage and then focus Vision System before viewing sample. The manual zoom control permits selecting optimum lens magnification. 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 flex light bundle permits viewing the process materials with front, side and back lighting at user selected angles.

### ***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 provided 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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