

PROCESS TECHNOLOGY

LABPLUS SOLIDSIZER™ Particle Analysis System



PARTICLE SIZING

The Canty LabPlus SolidSizer™ is an excellent tool for lab environments to determine particle size, shape and distribution, thereby eliminating the need for sieve analysis.

THE CANTY ADVANTAGE

The JM Canty LabPlus SolidSizer™ is a vision-based sensor used with the Canty Vector System image processor for dry particle size measurement in a laboratory environment. The LabPlus SolidSizer™ includes a camera with shutter speed control, a variable magnification lens, a high output light source with uniform light field to display silhouette images of opaque particles, and an enclosed vibratory feeder to present sample material to the camera/lights in free fall. The Lab Plus system comes equipped with Ethernet controlled zoom/focus, material flow, and camera positioning. The camera video is provided to the Vector System for analysis that extracts particle size information. This sheet identifies the features of the LabPlus SolidSizer™ and provides ordering information. The Vector system ordered separately.

BENEFITS

- Virtually eliminates Lab Screening Labor
- Easily adaptable for different product sizes

FEATURES

- Particle distribution by major, minor diameter, area, and perimeter available with Canty Vector System
- Real time particle size analysis
- Standard Ethernet control from Canty Vector System
- Uniform backlighting for true shape illumination
- Shape Analysis
- Particle Size measurement range is increased by variable lens setting
- Camera controlled remotely (zoom and focus)
- Remote material flow (speed of conveyor and height of product stream)
- Settings used for each sample can be saved so system setup is repeatable

APPLICATIONS

- Pharmaceutical powders
- Polymer pellets and beads
- Agricultural products
- Glass bead applications
- Screen break detection
- Agglomeration control
- Spray dryers and fluid bed applications
- Replaces existing lab screen/sieve systems
- End product Q.C. and lot certification
- Many, many more!

SPECIFICATIONS

- Power: 120 VAC / 60 Hz (230 VAC / 50 Hz)
- Shutter Speed: Variable up to 1/100,000 sec
- Main unit dimensions: 44"L X 23"W X 27"H

ANALYSIS WITH VECTOR

- Canty Vision System to measure and control your process parameters
- Vector System uses the live video data
- CantyVision Software to perform the desired process control functions
- Microsoft Windows based operating system
- Ethernet connectivity to 4-20 mA devices
- Lab Particle Sizing
- Color Analysis



Ordering Information

HOW TO ORDER: Select the appropriate symbols and build a model number as shown:

EXAMPLE:

