

PROCESS TECHNOLOGY

SOLIDSIZER™ TS SOLID PARTICLE ANALYSIS SYSTEM



SYSTEM DESIGN

The Canty SolidSizer TS unit is a versatile tool for lab environments to determine particle size and shape, thereby eliminating the need for sieving. The system also has multiple configurations that allow color analysis and defect detection, as well as a tilting stage for flat particle analysis.

THE CANTY ADVANTAGE

The SolidSizer TS is a vision based sensor that combines with the Canty Vector processor to provide a complete particle analysis system. Operating features are remotely controlled at the processor screen view and include zoom and focus, calibration, feed speed and level control, as well as all camera functions such as shutter, gain and resolution. The system comes with back and front lighting for maximum versatility. The modular design allows for easy assembly of different configurations depending upon product type and/or analysis desired. The tilt stage feature is similar to the technology patented in the Canty RockSizer and is especially effective for analyzing flat, stone-like particles. The stage is designed for both back and front lighting use.

FEATURES

- Particle distribution by major, minor diameter, area, perimeter available with Canty Vector System.
- Remote processor control of system settings.
- Adjustable lens magnification (sub micron through boulders-no upper size limit). Consult factory for details.
- Fiber optic backlighting for true shape illumination. Front lighting for color detection.
- Shape analysis.
- External video connectors for signal processing by Canty Vector System (optional).
- Optional light filters available for wavelength sensitive materials.
- Tilt tray for flat particle analysis.

APPLICATIONS

- Pharmaceutical powders
- Polymer pellets and beads
- Agricultural products
- Aggregates
- Color analysis
- Glass bead applications
- Color/black speck 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
- Instrument Air: 20 to 30 PSI when required

BENEFITS

- Virtually Eliminates Lab Screening Labor
- Output Matches Sieve/Screen Data - Direct Replacement
- Three Month Pay Back

Ordering Information

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

EXAMPLE:

ST - H 1 L 1 1 1 1

STYLE SELECTION
T - T.S.

VIDEO SYSTEM FORMAT
E - Ethernet (Color) 1600x1200, 800x600
G - Black & White Gigabyte, 1600x1200
H - Color, 1600x1200

ENVIRONMENTAL RATING
1 - Lab Enclosure

SYSTEM ILLUMINATION
K - Back Light

ACCESSORIES
1 - No Accessories

TRAY MATERIAL
1 - Anodized Aluminum
2 - SS Tray
3 - Steel Tray (Rocksizer Only)

INPUT POWER
1 - 120 VAC 60Hz
2 - 240 VAC 50Hz

LENS
2 - Particle Size Stage 1 [3 - 1500 microns]
3 - Particle Size Stage 2 [50 - 3000 microns]
6 - Kit - Includes both Particle Size Stages 1 & 2

