

# CANTY

## PROCESS TECHNOLOGY

### SOLIDSizer™ - PARTICLE SIZE ANALYSIS



#### PARTICLE SIZING

The CANTY SolidSizer™ is an excellent tool for lab environments to determine particle size, shape and distribution, thereby eliminating the need for sieve analysis and the errors that comes with sieves.

#### THE CANTY ADVANTAGE

The CANTY SolidSizer™ is a vision-based sensor used with the CANTY Vector System image processor for dry aggregate size measurement in a laboratory environment. The CantyVision™ Software accurately measures multiple aspects of the aggregate from area / perimeter / minor and major axis / etc. In comparison to a sieve which measures only minor axis the CantyVision™ software can correlate directly to a sieve so the customer does not have to change any QC documents. The SolidSizer™ can correlate within 2% of a sieve. A typical sieve analysis takes anywhere from 20-30 minutes including cleaning and setup for a 70-100 gram sample. On the SolidSizer™ that same sample takes less than 2 minutes. Also multiple screen distributions can be setup to accommodate multiple customers or areas in the process, hence eliminating the need for multiple runs on the same sample for different size distributions. After correlating to current methods of minor axis, customers find benefit in comparing minor axis to major axis and comparing aggregate shape. Reduce lab time and make sure production samples are not skipped over due to lack of sample time available!

#### FEATURES

- Particle distribution by major, minor diameter, area, and perimeter available with CANTY Vector System
- Real time particle size and shape analysis
- Objective SHAPE analysis to give a competitive edge to customers
- Eliminate errors associated with sieves
- Reduce analysis waiting time for operators
- Particle Size = 10 microns and greater
- Mesh Sizes = 3 mesh - 1200 mesh
- Data can be in same format you currently have for trucks and operators
- All data is stored on Excel files for later use and easy storage.
- Settings used for each sample can be saved so system setup is repeatable
- **2 Minute analysis**

#### APPLICATIONS

- Aggregate
- Size / Shape
- Mining Labs
- Glass bead calibration
- Frac Sand & Proppant
- Replaces existing lab screen / sieve systems
- Food
- Many, many more!

#### BENEFITS

- Virtually eliminates Lab Screening Time
- Easily adaptable for different product sizes
- Eliminate the errors that come with laser units and the expense
- Easy Calibration

#### SPECIFICATIONS

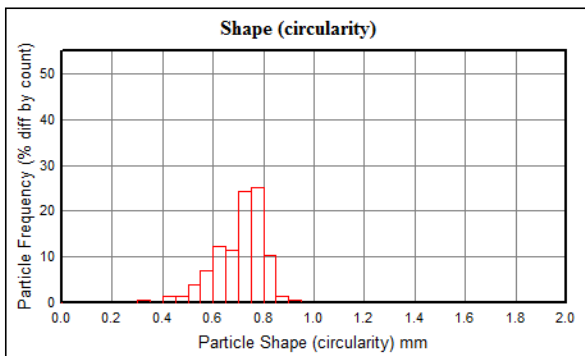
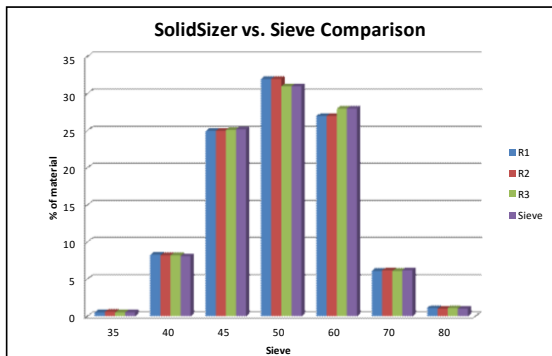
- Power: 120 VAC / 60 Hz (230 VAC / 50 Hz)
- Ethernet Camera Resolution

#### ANALYSIS WITH CANTYVISION

- CantyVision™ System to measure and control your process parameters
- SolidSizer System uses the live video data
- CantyVision™ Software to perform the desired process control functions
- Microsoft Windows based operating system
- Ethernet OPC or 4-20 mA devices
- Lab Particle Sizing

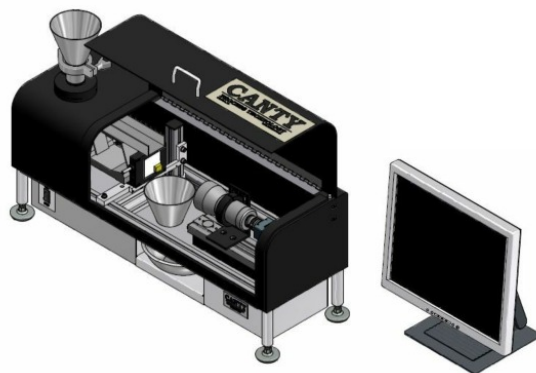
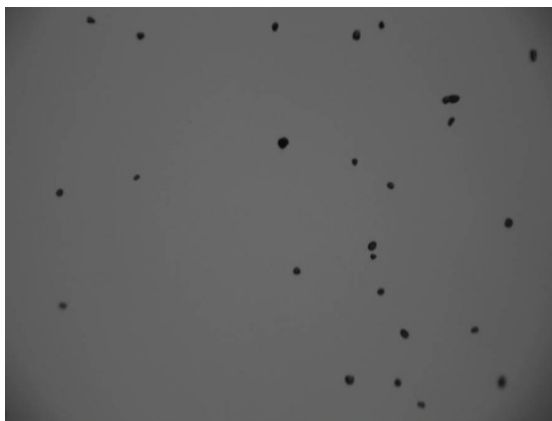
**ORDERING INFORMATION**

**Part Number: S M - G 1 K 1 1 1 1**



Data can output the same as your current sieves

Objective shape analysis for customers benefit



Visual Images can be used to verify product

Easy Calibration that can be done in seconds!

**CANTY**

JM Cauty Inc | Buffalo, NY USA  
JM Cauty Intl Ltd | Dublin, Ireland

Ph: (716) 625 4227  
Ph: + 353 (01) 882 9621

Fax: (716) 625 4228  
Fax: +353 (01) 882 9622

[www.jmcanty.com](http://www.jmcanty.com)