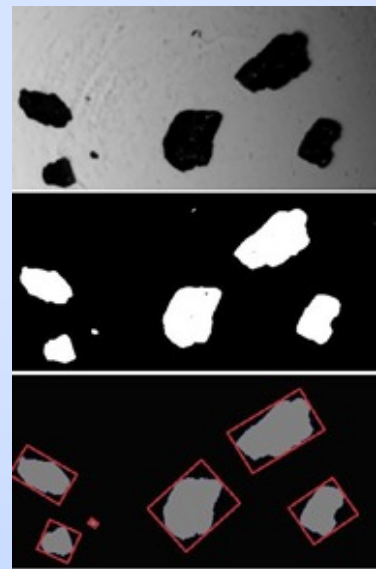


# Solids Particle Sizing

Size and shape analysis of dry particles or pellets, is performed by the range of Canty Solid Sizer equipment. The product to be analysed is fed into the system hopper, where the built in material handling system separates the particles into one even layer, and transports them into the analyser's measurement zone.

Within the measurement zone, the particles pass between a high intensity LED light source and camera, which captures high resolution images 2D images.

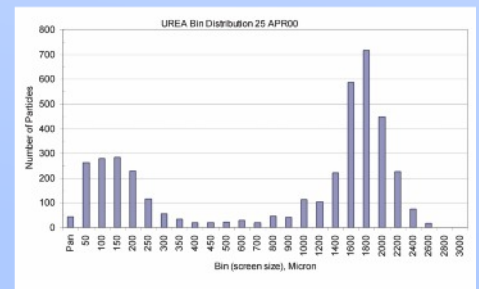
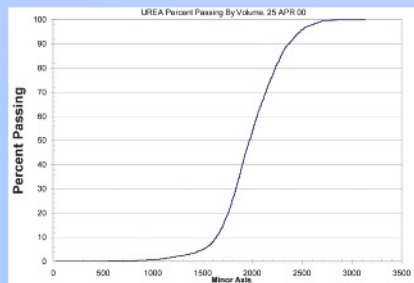
These images are then binarised, and by analysing the number and position of the image pixels, a full particle **SIZE** and **SHAPE** distribution.



**Meets ASTM Standards • Polymer Beads / Pellets • Chemical Powders • Particle Size from 10µm to no upper limit\***

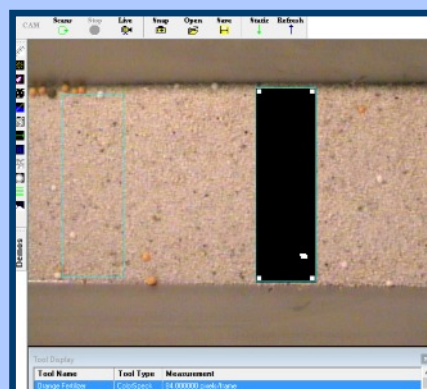


## Lab or Industrial (At-Line) Systems

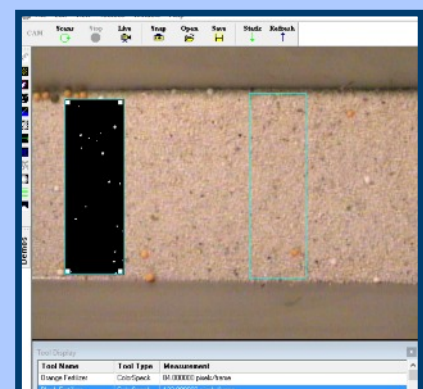


**BLACK SPECK** or **COLOR SPECK** detection is available as an add on to a particle size and shape analyser, or as a stand alone system. This uses a camera system with controlled front lighting system for accurate color representation within the captured images. Multiple measurement zones can be configured to allow for detection of particles of different colors within the same product.

## Contaminant Detection - Mixture Ratio Analysis



**Color Particles Detected**



**Black Particles Detected**