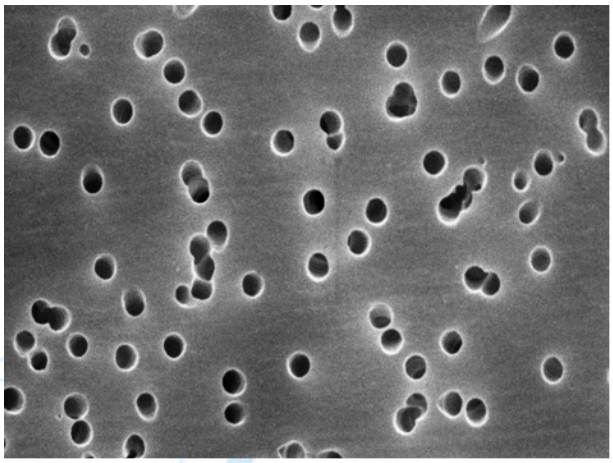
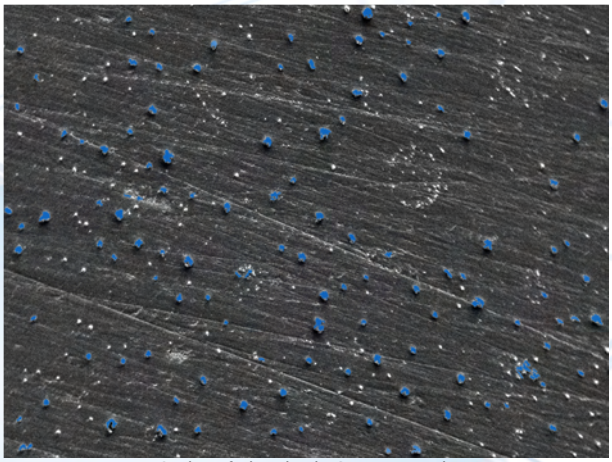
MICROVISION
LABORATORIES, INC.

Particle Size Analysis

The sizing of manufactured or naturally occurring materials is a useful tool which will allow for materials to be sorted: either to isolate materials of a particular size, or to confirm that particles are being created in a desired distribution. The perimeter, shape, and aggregation patterning of particles are often of special interest. Some particle sizing analyses only provide the diameter of individual particles while the photometric analysis performed by MicroVision Labs provides much more detail. Direct examination of particles allows not only for size distribution, but also more complex information to be gathered.



Ion Drilled Membrane



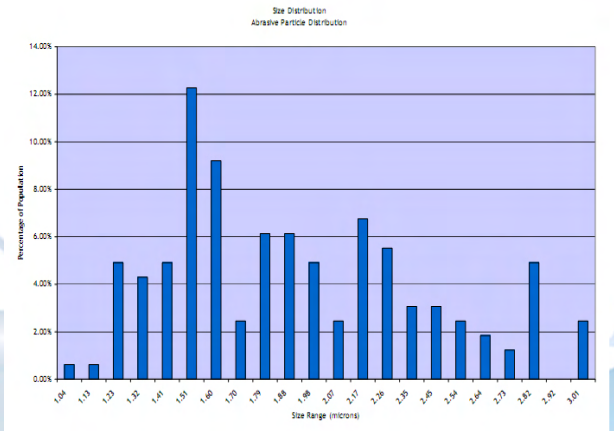
Grains of Abrasive in Support Matrix

Advantages:

- Large sample sizes give mean, average, maximum, minimum and the standard deviation of particle sizes
- Area and volume of measured particles can be calculated a wide range of methodologies
- Concentrations in solutions or air, total weight, or deposited mass patterns can all be calculated
- Shape and aggregation patterns are clearly represented with images
- Detailed tabulated statistical analysis of the examined particles, distribution histograms, and images of the particles presented are included in every report

Application Fields:

- Manufacturing Technologies
- Environmental Monitoring
- Air Quality
- Industrial Hygiene
- Process Control
- Paint/Ink Printing Technologies
- Filtration Processing
- Semi-conductor Industries



Histogram of Sample Sizes

Learn more at http://www.MicroVisionLabs.com

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