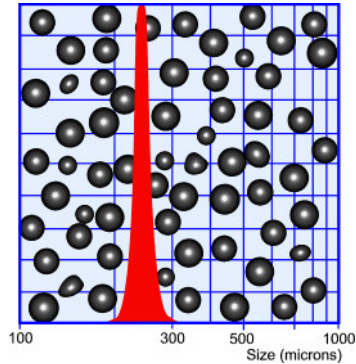




Pore Size Measurement of Sand Screens Using Calibration Beads

1. Precision Glass Microspheres



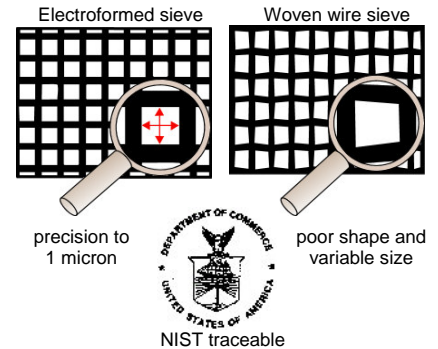
Prepare 20 narrow size range standards from 20 – 600 microns.

2. Accurately subdivided



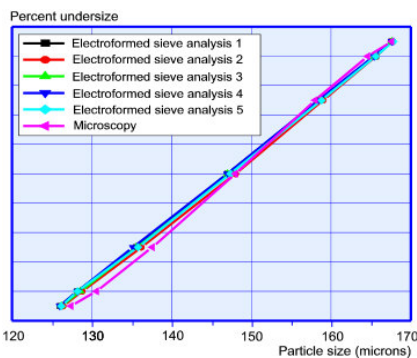
Identical sub-samples are prepared for each sand screen test.

3. NIST Traceable certification



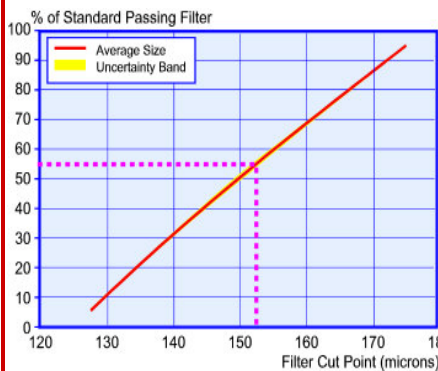
Certified to NIST using calibrated precision electroformed sieves.

4. Precision measurements



Good subdivision ensures highly repeatable certification.

5. Calibration graph



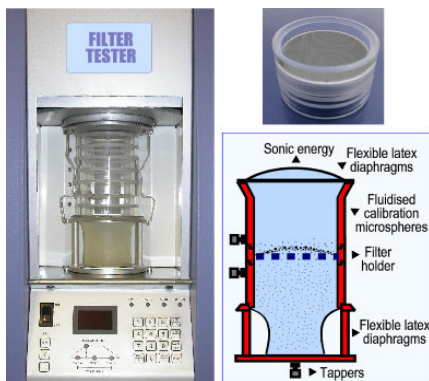
The cut point is determined from the % of beads passing the screen

Screen sampling



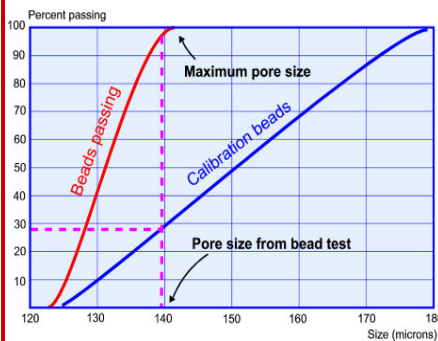
Cut out 6 x 3 1/8" discs from the length of the sand screen element.

7. The beads in action



Fully automatic sand screen tester gives highly repeatable results.

8. Pore size definition



The cut point is the size above which 97% of the particles are trapped by the filter, and is within 10% of the maximum pore size in the filter.

9. A typical set of results from a test certificate

Initial Weight	Weight Retained	% Cut	Passing point
0.349g	0.279g	20%	135µm
0.341g	0.242g	29%	139µm
0.364g	0.267g	27%	138µm
0.375g	0.293g	22%	135µm
0.342g	0.260g	24%	136µm
0.361g	0.281g	22%	135µm

This latest technology offers unprecedented precision and confidence in the final performance.