

Vision Cone



The VisionCone or VisCPT was developed to address the fact that no sample is recovered during a CPT test. Because no sample is obtained SPT tests must be performed along with CPT for visual inspection, index testing and classification. The VisionCone addresses this problem by using a high speed CCD camera that records a continuous video onto a DVD recorder and is stamped with a depth marker to correlate the depth to the video. Now the engineer has a continuous visual profile of the material that is being tested. From this data the engineer can establish correlations using post processing software (see next page) that uses an algorithm to determine the grain size distribution. This not only allows the VisionCone to confirm the CPT results but also identifies small thin layers that aren't recognized by the CPT probe. These layers can be classified as different soil types (i.e. sand, silty sand, clay) based upon the results of the video post processing.

Video Cone: Data Sheet

