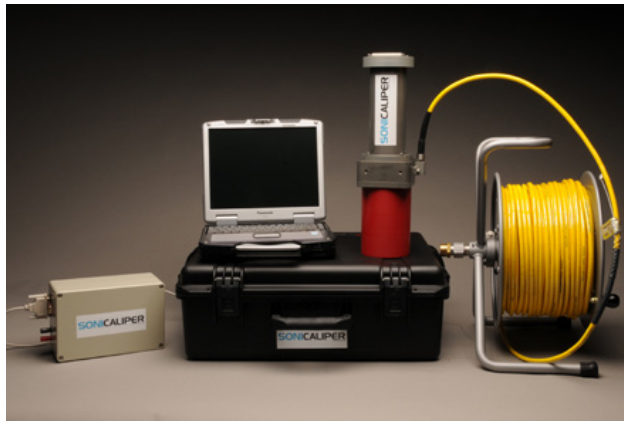




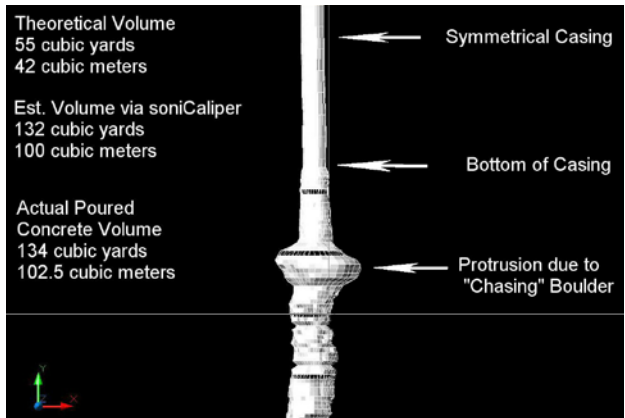
The SoniCaliper® is rapidly becoming a specified quality control and quality assurance procedure for deep foundation excavations such as drilled shafts, slurry walls (barrettes) and secant walls. The sonar caliper (SoniCaliper) has the ability to virtually “see” foundation excavation shapes as constructed in water, polymers and other mineral slurries, giving the engineer, designer and contractor additional confidence that the end product is manufactured according to specification. The SoniCaliper can determine diameter, assess verticality, calculate volume and create images of the shaft or excavation. Using revolutionary software it creates “as-constructed” images and calculations immediately after the shaft has been profiled.

Utilizing sonar technology, our unique product provides a full 360 degree profile of the shaft, allowing our engineers to generate a complete three-dimensional model of the shaft walls. Operable in most standard drilling fluids, sonar caliper provides outstanding results in real-time display. The excavation wall can be profiled in wet or dry conditions. Sonar caliper is a fast, cost-effective method for checking hole characteristics prior to placing concrete.



The SoniCaliper® equipment.

Specifications	
Weight:	14 lbs (6.4 kg)
Height:	18 inches (457 mm)
Width:	6.5 inches (165 mm)
Operating Depth:	Typical operating depths up to 100 meters (capable of operating at greater depths if necessary)
Operating Environment:	Wet or Dry Excavations. Wet environment includes: Bentonite, Polymer or Natural Slurry
Laptop:	Panasonic ToughBook®
Power Requirements:	110/120/230/240 VAC
Accuracy:	¼ inches (6 mm)



CAD generated images illustrate the anomalies and the resulting volume increases.

Loadtest

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