

Company Profile

Pile Dynamics is the largest manufacturer of high quality Deep Foundation Testing Equipment in the world.



Pile Dynamics, Inc. is headquartered in Cleveland, Ohio, USA, and has a global network of representatives.

The Pile Dynamics team includes superb civil and electrical engineers, software developers and technicians, who are constantly researching, testing and developing the PDI line of products. Its headquarters includes sophisticated manufacturing and calibration equipment, as well as indoor and outdoor testing laboratories. PDI instruments undergo recommended periodic high precision calibration and routine maintenance at these facilities.

Our commitment and pride in our work pays off: PDI products excel in quality, reliability, accuracy and durability.

Pile Dynamics provides customized training in the use of its equipment. PDI also offers seminars, workshops and webinars on Deep Foundation Testing and Analysis at locations around the world. These educational events are taught by the foremost experts in this field.

Every Pile Dynamics instrument includes superior technical support for life. We pride ourselves in answering technical questions on a timely basis - a Pile Dynamics expert is always a phone call or email away.

A world map in shades of blue, with a semi-transparent white box containing text centered over the map.

PDI solutions for quality assurance and quality control of Driven Piles, Augered Cast-in-Place and CFA Piles, Drilled Shafts, Bored Piles and more are used in over 100 countries throughout the globe.

Quality Assurance for Deep Foundations

Product Line

visit www.pile.com for more products and models

Pile Driving Analyzer® (PDA-8G)

Dynamic Load Testing of any type of deep foundation and Pile Driving Monitoring according to ASTM D4945. Foundation capacity and an assessment of integrity; and for driven piles, also driving stresses and hammer performance. Available with Traditional (cabled) or Wireless accelerometers and strain transducers, with Sitelink® (remote testing) technology, with iCAP® for a quick assessment of capacity during testing in ideal conditions, and the "gold standard" CAPWAP® for a thorough analysis. Also used for SPT Hammer Energy Calibration according to ASTM D4633.



Pile Integrity Tester (PIT)

Integrity of piles and shafts by the Pulse Echo (Low Strain) Method according to ASTM D5882. May also evaluate unknown foundation depth. Available in various models, Traditional (cabled) or Wireless, and with either one channel of acceleration data acquisition or with two channels (for a second accelerometer or for an instrumented hammer). Furnished with PIT-W Standard software. Options include PIT-W Professional and PIT-S software programs for enhanced analysis, side mounted accelerometers and various hammer sizes.



Thermal Integrity Profiler (TIP)

Integrity and concrete cover of drilled shafts and augered cast-in-place/ continuous flight auger (CFA) piles by the thermal method according to ASTM D7949. Evaluates concrete quality both within and outside the rebar cage. Tests conducted during concrete curing, not long after casting, which speeds construction. Measurements with Thermal Wire® cables, or alternatively, Thermal Probes. Developed in cooperation with Foundation & Geotechnical Engineering (FGE).



Cross-Hole Analyzer (CHAMP-XV)

Integrity of concrete foundations by Cross Hole Sonic Logging and Single Hole Logging, in accordance to ASTM D6760. Furnished with CHA-W data interpretation and reporting software, and with the 3-D tomography software PDI Tomo as an option.



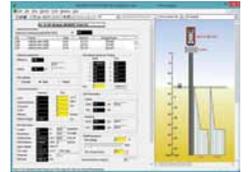
Pile Installation Recorder (PIR)

Automated Monitoring Equipment for augered cast-in-place, continuous flight auger and drilled displacement piles. Displays grout volume pumped versus depth and many other relevant parameters, as required by the Federal Highway Administration Geotechnical Engineering Circular (GEC) #8 and recommended by the Deep Foundations Institute Augered Cast-In-Place Piles Manual.



GRLWEAP Software

Pile driving analysis by the Wave Equation. Performs driveability analysis and pile driving simulation; includes various static analysis options and an inspector's chart output. Also available in the Offshore Wave version designed specifically for the challenges of analyzing the long and often inclined offshore piles.



SPT Analyzer

Determines the Energy of SPT Hammers by Force and Velocity Measurements, according to ASTM D4633 and Eurocode (EN ISO 22476-3:2005).



E-Saximeter

Measures blow count during pile driving and, when equipped with optional accessories, also kinetic energy during pile driving and depth of penetration.



SQUID (Shaft Quantitative Inspection Device)

Provides an objective, quantitative assessment of the quality of the bottom surface of bored piles or drilled shafts. Includes instrumented cone penetrometers and displacement transducers that accurately measure the thickness of soft material or debris on top of the bearing layer, as well as its strength. Quickly adapts to any drill stem and does not require testing personnel near the excavation.



Pile Dynamics supplies all accessories and software for its line of products. It's the one stop shop for Quality Assurance for Deep Foundations.



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