



CONSTRUCTION MATERIALS
TESTING EQUIPMENT
www.humboldtmfg.com

Who We Are

Humboldt Mfg. Co., located in the United States, is a long-standing, leading manufacturer and supplier of testing equipment used for evaluating construction and civil engineering materials. Our equipment is used extensively throughout the world for testing soil, concrete, cement, asphalt and aggregate materials. This testing involves evaluations of materials, which are used in construction projects ranging from roads, bridges and tunnels to dams, earthworks, airports, railways, etc.

Humboldt equipment has been an integral partner in providing accurate and reliable testing results in a multitude of major projects worldwide while helping to deliver dependable infrastructure projects that adhere to project specifications.

Users of our testing equipment include road contractors; governmental agencies; materials laboratories; cement plants; asphalt plants; universities; ready-mix concrete and precast producers, and consultants.



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History

Humboldt began operations in 1909 as a manufacturer of cement testing equipment in the Humboldt Park neighborhood of Chicago, IL; establishing from the beginning, a solid reputation for producing high-quality, scientific products, as well as providing excellent customer service.

Since 1990, under the direction of Dennis Burgess, Humboldt has consistently grown, introducing new equipment, expanding into new testing equipment markets and expanding our sales and dealer channels. During these years Humboldt has transformed into the company we are today— employee-owned and, focused on the development, manufacturing and distribution of construction materials testing equipment throughout the world. Humboldt is known globally for manufacturing high-quality, competitively-priced equipment primarily designed to comply with ASTM and AASHTO testing standards, as well as other global standards.

Sales

Through our e-commerce website, Humboldt's domestic customers have the advantage of being able to browse our website for the testing equipment they need and ordering directly from us. We also provide a group of inside sales people for those who want to deal directly with a person, need assistance in selecting equipment for specific applications or require a quote. Our sales people have years of industry experience and are available during working hours for your assistance. We have people located in both



our Elgin, Illinois and Raleigh, North Carolina facilities. Humboldt also has a group of outside domestic sales people who work directly with our customers, assisting with equipment choices, installations and product support.

Humboldt products are available worldwide through a network of experienced and knowledgeable dealers. These dealers can assist customers in choosing the correct equipment for their needs, help with installations and trainings. International customers can contact their local dealers through our contact page on our website.

Quality

Humboldt has always been dedicated to manufacturing and distributing high-quality testing equipment to the materials testing lab market. To this end since 2003, we have maintained a quality management system in accordance with ISO standards. This system is based on the constant monitoring and continuous improvement of the company's processes and products.

Currently, Humboldt maintains ISO certifications for ISO 9001: 2015 and ISO/IEC 17025: 2017. These certifications can be viewed on our websites: www.humboldtmfg.com and www.humboldtscientific.com. As Humboldt goes forward, our focus will be on the continual improvement of our testing equipment and maintaining diligent customer service equipment for their needs, as well as help with installations and training.





Products

Humboldt designs, manufacturers, and distributes, a huge selection of construction materials testing equipment. To locate what you need easier, we've organized our equipment offerings into eight main categories based on application.

For information and to purchase our products, visit our website: www.humboldtmfg.com.

Soil-Field

- Humboldt nuclear gauges, with their easy-to-read screens, even in bright sunlight, as well as a mobile app.
- The Electrical Density Gauge, nuclear-free alternative for moisture / density readings
- Dual-Mass Dynamic Cone Penetrometers in threaded or quick-connect ends

Aggregate

- ASTM Test Sieves, available in Standard, Inspection and Calibration accuracy
- Los Angeles Abrasion Machine with accessory sound enclosure
- Economical and durable Sieve Shakers with Digital and Variable-Speed Timers
- Precise and durable Riffle-type Sample Splitters

Soil-Lab

- Proctor and CBR testing equipment, including Molds, Compactors and Load Frames
- Atterberg testing kits and individual machines
- Hydrometer Analysis Testing, including a Jar Bath with both heating and cooling
- Permeability Testing, including Molds, Cells and Control Panels

Soil Mechanics

- Consolidation Machines in Automated, Pneumatic and Dead-Weight configurations. Including Cells and Accessories
- Direct Shear Machines in Automated, Pneumatic and Dead-Weight configurations with Cells and Accessories.
- Extensive Triaxial Testing Setups offering several choices in Load Frames and Pressure Controller options.

Concrete

- Wide selection of Compression Machines and Controllers available from 1.3kn to 6,000kn
- Fresh concrete testing with Air Meters and Slump tests and Maturity Sensors
- Curing Room Systems and Molds
- Large selection of Non-Destructive Testing Equipment

Asphalt

- Balanced Mix Design Testing Equipment, such as Load Frames
- Binder Testing, such as Ductility, Rice Test, Pressure Aging and Penetration
- Marshall and Gyratory Testing Compactors



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