Mechanical Testing Equipment Suppliers & Services Snapshot

The advertisers in this issue listed below are excellent sources of equipment and accessories used to determine the mechanical properties of a wide variety of materials. For other suppliers of testing equipment and testing services, visit the AM&P online Buyers Guide at www.ampdirectory.com.

Accutek Testing Laboratory
Fairfield, Ohio
Accutek Testing Laboratory is a diverse, innovative mechanical testing facility where attention to detail and dedication to quality through every stage of its projects produces quantifiable results in a timely manner. The company’s experienced engineering professionals and full-service testing facility provide the knowledge and personalized service for your testing requirements. Accutek will work with you to develop a customized testing plan, as well as modified testing equipment, if necessary, to meet your testing needs. Tel: 513/984-4112; info@accutektesting.com; www.accutektesting.com

Buehler
Lake Bluff, Ill.
Buehler was established in 1936 with the goal of delivering outstanding value and providing innovative, high-quality products and services on-time. The company offers a variety of micro hardness testing systems including the OmniMet Automatic MHT, the MicroMet 5100 Series (microindentation hardness), the MacroMet 5100 Series Rockwell-type hardness testers, the Macro-Vickers 5100 Series macroindentation hardness testers and the IndentaMet 1100 Series micro, semi-macro and macro Vickers indentation hardness testers. Tel: 847/295-6500; custserv@buehler.com; www.buehler.com.

Clemex Technologies Inc.
Longueuil, Quebec, Canada
Clemex has been helping laboratories analyze their images faster, better, and more cost effectively since 1990. In materials sciences, Clemex provides a comprehensive range of hardness testing solutions. From fully automated to manual, from integrated to retrofitted, Clemex solutions offer the most reliable, accurate, and repeatable results. The Clemex CMT line of products offer single or dual hardness testing solutions, which are field proven and offer unparalleled capabilities. Tel: 888/651-6573; info@clemex.com; www.clemex.com.

Epsilon Technology Corp.
Jackson, Wyo.
Strain measurement for materials testing has been Epsilon’s sole business more than 30 years. Extensometers are available for testing many materials including metals, ceramics, composites, plastics, elastomers, geomaterials, and biomaterials. A large variety of models covers nearly every type of test including tensile, compression, bend, fracture mechanics, and cyclic strain-controlled tests like low-cycle fatigue. Tel: 307/733-8360; sales@epsilontech.com; www.epsilontech.com.

Instron
Norwood, Mass.
Established in 1946, Instron manufactures and services materials testing instruments, systems, and accessories. Instron’s machines are used to evaluate the mechanical properties of materials and components using tension, compression, flexure, fatigue, impact, torsion, and hardness tests. Instron is committed to quality because the accuracy, reproducibility, and reliability of test results produced by its equipment are critical to the quality of its customers’ products. The company offers a broad range of service capabilities including calibration, training, technical support, and assistance with laboratory management. Tel: 800/877-6674; web@instron.com; www.instron.us

Leco Corp.
Leco Corp. has been a leader and innovator in analytical instrumentation since 1936. This technological drive has led to some of the fastest, accurate, and cost-effective laboratory instrumentation in the world. Leco is a worldwide leader in the analysis and characterization of iron, steel, alloys, refractory metals, and ores. Among its instrumentation products are microstructural analysis solutions such as macroindentation testing systems and automatic and Rockwell-type hardness testing systems. Tel: 269/985-5496; info@leco.com; www.leco.com.
NSL Analytical Services Inc.
Cleveland, Ohio

NSL Analytical is an independent commercial materials testing laboratory with more than 60 years of experience, offering services including a broad spectrum of analytical testing capabilities for failure analysis, product testing, and material selection and characterization. These include inorganic trace element analysis, mechanical testing, microscopy evaluations, polymer lab services, and composite and advanced materials testing. Tel: 800/497-6752; nsl@nslanalytical.com; www.nslanalytical.com.

Qualitest
Plantation, Fla.

Qualitest provides testing machines, systems, and software, as well as standard and customized solutions for many testing, measurement, and quality-control tasks required in modern materials testing. Key products include hardness testers, universal testing machines, metallographic equipment, materials-testing equipment, portable testers, and other instruments for testing metals, plastics, rubber, textiles, paper, paint, cement, concrete, and packaging materials. Tel: 877/884-8378; info@qualitest-inc.com; www.worldoftest.com.

Shimadzu Scientific Instruments
Columbia, Md.

Shimadzu began producing its first materials testing machine in 1917, and has continued to provide testing machines that are vital to product development including stand-alone and bench-top universal tensile testers, servohydraulic testing systems, fatigue/endurance testers, high-speed impact testers, and microindentation hardness testers. Its 30-MN structural testing machine can perform testing on actual, full-size structures, instead of modeled prototypes. Offering a wide variety of accessories including grips, extensometers, and jigs, Shimadzu can provide you with a solution for any environment or application. Tel: 800/477-1227; webmaster@shimadzu.com; www.ssi.shimadzu.com.

Struers Inc.
Westlake, Ohio

Struers is a manufacturer of equipment and consumables for materialographic surface preparation of solid materials, as well as hardness testers within the entire range of standardized Vickers, Knoop, Brinell and Rockwell hardness testing. Products include traditional microhardness testers and state-of-the-art load cell-based micro/macro testers; universal hardness testers; Rockwell testers and bench testers; standard portable hardness testing clamps and special devices for on-site inspection; special hardness testing solutions for integration in production lines; and hardness testing modules for integration in automatic in-line systems. Tel: 440/871-0071; info@struers.com; www.struers.us.

Tinius Olsen Mechanical Testing Co. Inc.
Horsham, Pa.

Tinius Olsen manufactures and supplies static tension and/or compression materials-testing machines. The machines are designed for use in research and quality control to measure material's strength and performance. They also make it possible to perform tests on materials such as metals, polymers, textiles, rubbers, and adhesives, as well finished components. A whole series of tests are available including tension, shear, compression, flex/bend, puncture/burst, tear, peel, melt flow, Charpy and Izod impact, friction, stiffness, heat distortion temperature, Vicat penetration, and torsion. Tel: 215/675-7100; info@tiniusolsen.com; www.tiniusolsen.com.