



AMH55 Hardness Testing Systems

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Maximize your productivity and easily measure impressions on various surface conditions for a wide number of applications with LECO's AMH55. The AMH55 introduces LECO's innovative Cornerstone® brand software to our hardness testing platforms, for increased usability, simplified reporting, and streamlined analysis times.

Supporting accurate and efficient microindentation and Macro/Vickers hardness testing in fully automatic, semi-automatic, and lite configurations, the AMH55 is a valuable resource for users needing precise and productive hardness testing while tailoring the data and results to their needs.

The AMH55 is Ideal For:

Case Depth Analysis | Coating Hardness | Surface Analysis | Powdered Metals | Weld Profiles | Fasteners | Decarburization

The AMH55 supports all standard loads for microindentation and Macro/Vickers hardness testing. The AMH55 conforms to ASTM E-384 for micro/macro hardness testing.



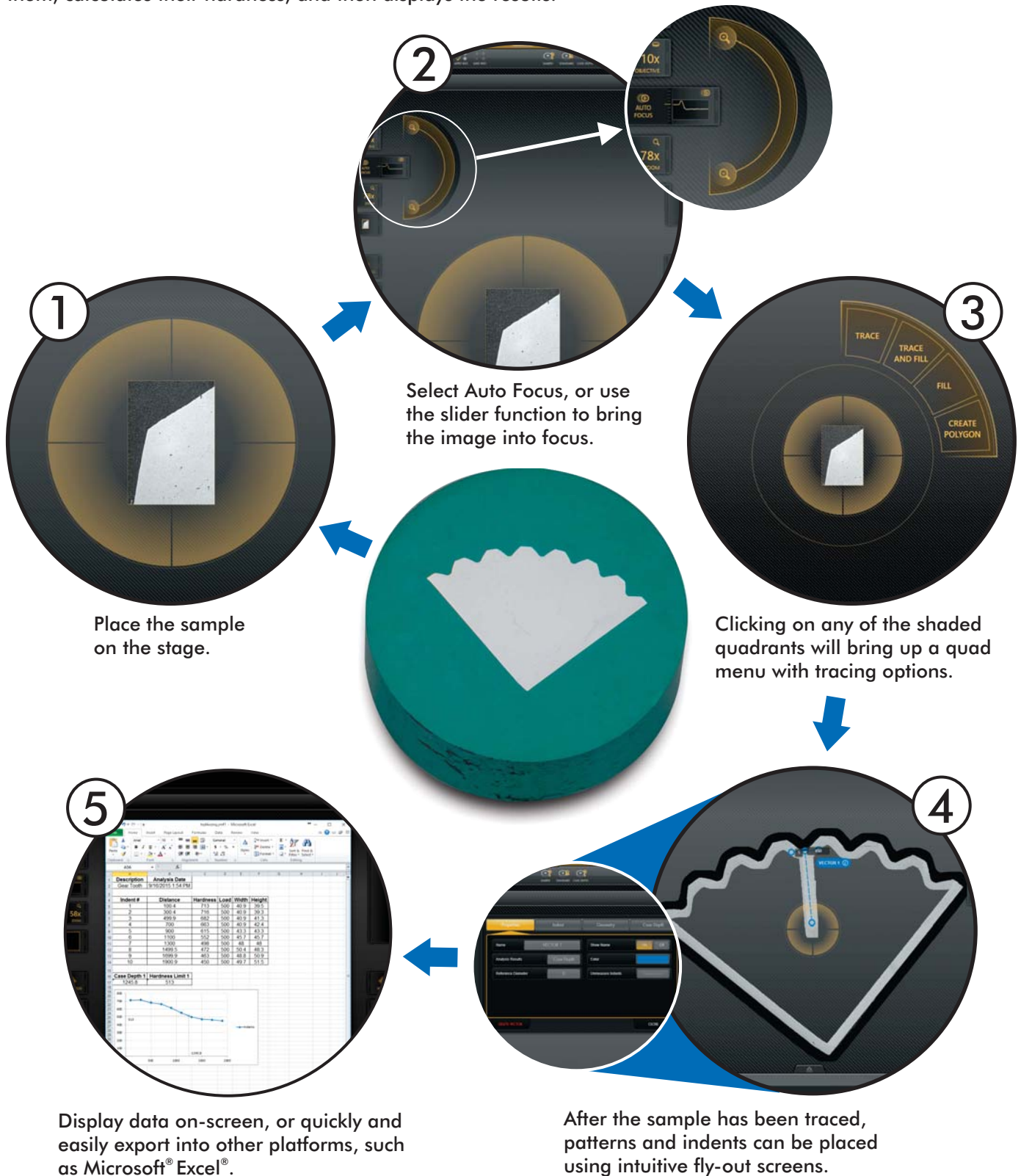
User-Friendly Cornerstone Brand Software

LECO's unique *Cornerstone* brand software sets the AMH55 apart from other automatic hardness testers. Designed through a collaboration of customer feedback and innovative engineering, *Cornerstone* gives the user complete control over their analysis parameters, method settings, calibrations, reporting, and more so that testing can be tailored to a specific application. A touch-screen interface and automatic software capabilities, such as simultaneous auto alignment and auto parfocal adjustment, deliver increased speed, ease-of-use, and repeatability to the analysis. Data output and reporting are simplified through *Cornerstone's* highly organized, immersive environment, which gives the user the ability to select the data conversions, method of testing, export options, report generation, and other settings that are best-suited for their samples.



Performing a Case Depth Analysis Using the AMH55 Automatic

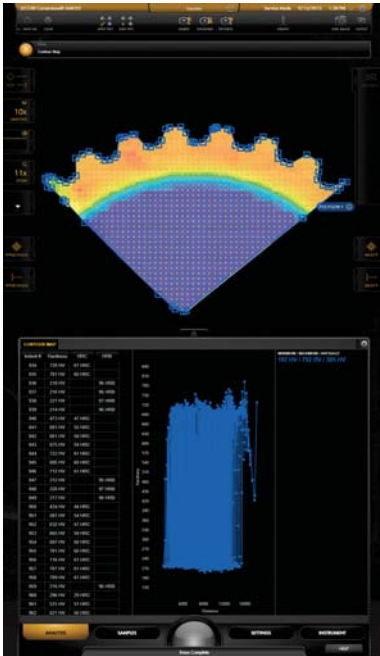
The AMH55 Automatic Micro/Macro Indentation Hardness Testing System combines the tasks of sample testing, measuring, converting, and documenting into one automated instrument operation. Just load the sample, select the indentation pattern(s), and initiate the test. This fully automated system makes the indentations, measures them, calculates their hardness, and then displays the results.



The AMH55 Semi-Automatic and Lite configurations offer the same great testing capabilities, but with less automatic functionality and features to meet your needs. Both can be easily upgraded to the fully Automatic version when the time is right.

Optional Advanced Analysis Modules

- Color Hardness/Contour Map (shown below)
- Auto Indent Placement



Optional Color Hardness Contour Map displays sample hardness and location with a color representation of hardness variances.

Package Configurations

Select one of the following hardness tester options with your AMH55 package.

LM110/310 Series Microindentation
(refer to spec sheet 209-094-001)

LM248/810 Series Microindentation
(refer to spec sheet 209-094-009)

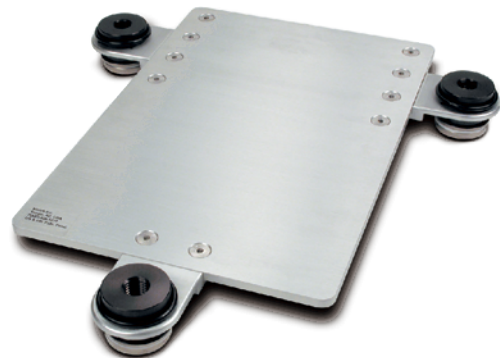
LV110/810 Series Vickers
(refer to spec sheet 209-094-002)

LMV-50V Load Cell Micro/Macro
(refer to spec sheet 209-094-011)

Options and Accessories



Stage Sample Holders



Anti-Vibration Table

LECO Optical Service

Routine maintenance extends the life of your optical equipment.



Service

Available at our state-of-the-art facility in St. Joseph, Michigan.

Repair

Complete repair and overhaul of your optical equipment by factory trained service specialists.

Calibrations

Calibrations are A2LA accredited in the U.S.A. (certificate #1845.01; copies available at www.leco.com or call 269-982-2385).

Technical Support

Call LECO Optical Service if you have any questions or problems (269-982-2385).



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3000 Lakeview Avenue | St. Joseph, MI 49085-2396 | Phone: 800-292-6141 | Fax: 269-982-8977
info@leco.com | www.leco.com | ISO-9001:2000 HQ-Q-994

LECO Corporation



Delivering the Right Results