



FOR IMMEDIATE RELEASE:

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Struers Inc. Launches the DuraScan; a New Micro/Macro Hardness Testing Line with Extended Load Range and Extremely Fast, Efficient and Fully Automatic Test Cycles

Cleveland, OH – Struers Inc. introduces its new state-of-the-art micro/macro hardness testing product line, the DuraScan. With its extensive features and benefits, the DuraScan is a natural complement to Struers existing and extensive range of hardness testers.

The DuraScan, designed in five basic models, each with varying levels of automation, has a unique test load range of 10 gf – 10 kgf providing a level of versatility and flexibility with multiple test methods and application usage. Based on a patented combined load cell and dead weight system, the DuraScan takes advantage of both technologies giving users the most functionality, the highest degree of accuracy and reproducibility possible in a single machine.

The compact and revolutionary asymmetrical design with a patented V-concept – a motorized test head and vertically fixed stage - allows for greater vertical testing capacity (260 mm or 10.2”) resulting in an increased testing height for large and taller samples. Additional advantages include faster testing on a large sample area, constant working height providing ergonomic working conditions, and a precise indent positioning allowing for more accurate and reproducible testing results.

The DuraScan can have up to a six-position automatic turret with multiple indenters and objective lenses eliminating the need for manual exchange, consequently reducing frequent re-calibration of the machine. The DuraScan eliminates the need for manual evaluation or surface adjustments with its automatic image evaluation and surface setting providing a fast and fully automatic testing cycle.

Intuitive ecos Workflow™ software lets the user execute hardness testing procedures in a step by step process for simplicity and ease of operation. Users can perform high-quality hardness testing with minimal training. Additionally, professional reports including statistical information can be easily generated utilizing the built-in report editor.

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Intuitive ecos Workflow™ software lets the user execute hardness testing procedures in a step by step process for simplicity and ease of operation. Users can perform high-quality hardness testing with minimal training. Additionally, professional reports including statistical information can be easily generated utilizing the built-in report editor to assist in monitoring and improving processes and procedures.

Main features of the DuraScan line include:

- Unique test load range from 10 gf – 10 kgf providing versatility in testing applications
- Available in semi- and fully automatic versions
- Vertical test head and fixed stage for highest positioning accuracy
- Overview camera for easy positioning of test points
- Automatic image evaluation and autofocus eliminates manual intervention while testing
- Intuitive workflow oriented software for ease of operation



DuraScan-10/-20 (pictured above left) DuraScan-50/ -70/ -80 (pictured above right)

About Struers Inc.:

Struers Inc., located in Cleveland, OH, is a recognized leader and innovator in the materialographic community. Struers provides an entire range of equipment and consumables for materialographic specimen preparation, from uncomplicated, manual machines to sophisticated, computerized preparation solutions. To complement its materialographic products, Struers also sells an extensive line of hardness testers and Zeiss microscopes providing a full range of comprehensive lab solutions. www.struers.com