Struers
Ensuring Certainty

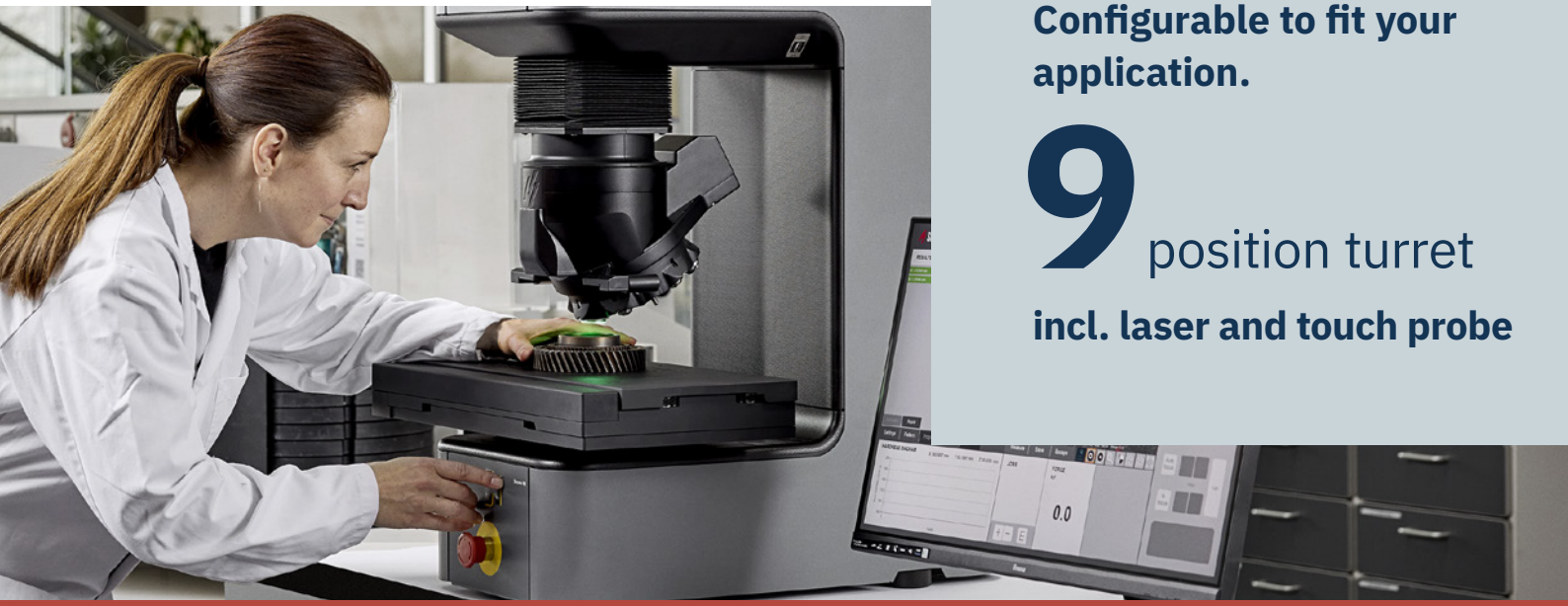
ADAPTABLE AND ACCURATE UNIVERSAL HARDNESS TESTER

Welcome to the new DuraVersa-100

The DuraVersa-100 is an automated Universal hardness tester, supporting all common hardness scales like Rockwell, Vickers, Knoop, and Brinell. Offered in three versions, starting from loads as low as 200gf and extending up to 250 kg, 750kg, or even 3000kg, with the option for expansion to include low forces down to 10gf for all 3 versions. Each version features the distinctive 9-position turret, providing flexibility to equip indenters and objectives according to specific application requirements.

The new universal hardness tester is software controlled with a built-in high-resolution camera and motorized Z-axis with auto-focus and auto-measure, thus ensuring repeatable and effortless results. The models with automated stage unleash limitless automation possibilities.

- **Microscope image quality** with the 18 megapixel camera, for accurate measurements.
- **Repeatability** with correct set-up and calibration
- **Data export** in common formats to create, record, and share results
- **Unparalleled load range** for a wider array of applications with one instrument.



Configurable to fit your application.

9 position turret

incl. laser and touch probe

NEW GENERATION OF HARDNESS TESTERS

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Perfect standardization as a vital part of quality control

Fast, dependable results for multiple applications

No matter what material you work with, with Struers you can be sure your lab has the right setup to meet the standards you need, with optimal reproducibility and repeatability of results.

Gain control

Whether dealing with small or large samples, single or multiple, leveraging the overview camera option offers a clear outline of the testing requirements, facilitating swift and accurate preparation and setup.

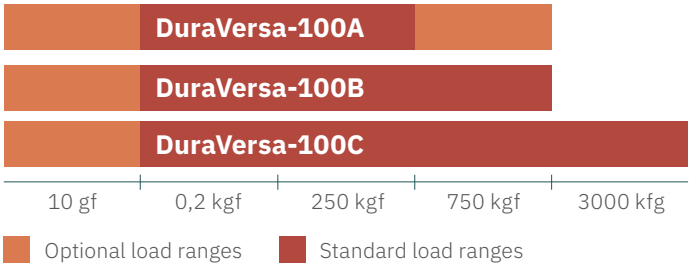
Efficient workprocess

With it's unique 9 position turret, you can have all your indenters and objectives pre-mounted on the instrument to enable a fast toggle between tasks. By default the turret has a combined crosshair laser and touch probe, to allow a fast and easy positioning. Both hard- and software were designed to fully comply with ISO and ASTM standards; from the closed loop mechanics, the optical system, the high-resolution camera to the advanced software algorithms.

The future is automated

Today, automation is widely accepted as THE solution for consistency and quality. DuraVersa-100 with multiple closed-loop cells improves for process accuracy and limits the risk of human influence. Manage all machine control and workflow processes effortlessly using the 27" industrial capacitive touchscreen. Start multiple jobs at once and focus on other duties while the DuraVersa-100 handles all the indent-measure work for you.

Load Ranges for DuraVersa



DuraVersa-100
Configurable load range 0,2 - 250kgf, 0,2 - 750kgf or 0,2 - 3000kgf
9 position turret for indenters and objectives with crash protection
18 Mpix camera with auto-focus & auto measure

Expand with
Motorized stage (7 sizes)
13 Mpix overview camera
Load range extension 10gf – 200gf
Software packs for CDH, weld, Screw head and many more
DuraSoft-Met Metallography software pack

Scan for more information