

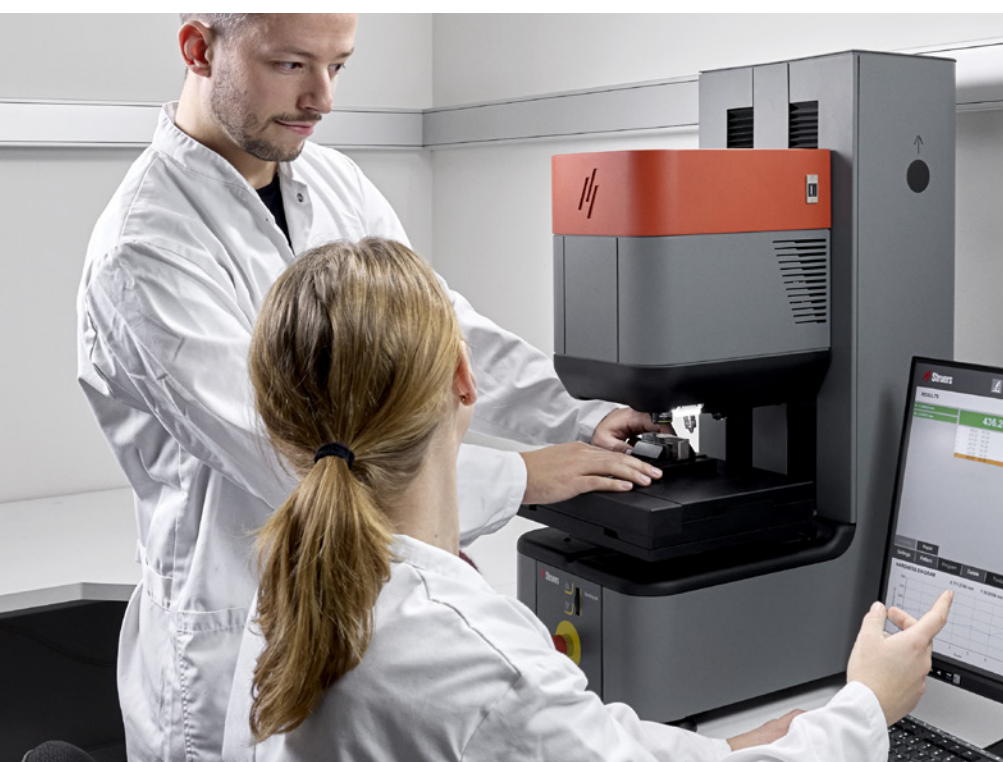
MICRO-HARDNESS TESTER WITH EFFECTIVE REPEATABILITY

Welcome to the new DuraVista-80

The **new generation** DuraVista-80 is a top-tier automated micro-hardness tester, supporting Vickers, Knoop, and Brinell scales from 0.1 gf to 62.5 kg.

With a next generation movable test head it offers an 8-position angled turret to enhance application range and ergonomics. The closed-loop loadcell technology and high-quality optics ensures accurate, repeatable results.

- ✓ **Accurate measurements** with reliable results – every time
- ✓ **Limitless patterning possibilities** with the various optional integrated motorized stages
- ✓ **Reveal the smallest details** with high quality optics and white LED Köhler illumination and (optional) polarizer
- ✓ **Improved workspace** and ergonomics with angled turret



Fast & flexible

8 position
turret

**With touch focus &
positioning laser**

Perfect standardization as a vital part of quality control

Ergonomics & Accuracy in Harmony

The DuraVista-80 stands out with its movable test head, designed to quickly position the load system and optics at the desired location. Utilizing a dual displacement system, it ensures speed and precision by employing a separate high-precision load motor for test loads.

The Twin model, DuraVista-80T, elevates versatility with an additional test table spindle, enabling effortless positioning of your samples at an ergonomic height and delivering unparalleled flexibility.



The DuraVista-80 features a motorized test head and comes with either a fixed or motorized height-adjustable test table.



The future is automated

Today, automation is widely accepted as THE solution for consistency and quality. DuraVista series with a closed-loop loadcell 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. Run multiple tests simultaneously and stay focused on other tasks while the DuraVista takes care of all indent and measurement work. This fully integrated system combines advanced hardware and software to deliver precise, repeatable results with user-friendly operation.



DuraSoft Hardness Software

Experience precision and efficiency with Struers' DuraSoft – a modern and reliable software platform designed for automated hardness testers. DuraSoft offers automatic indent measurement and auto-focus, ensuring high throughput, exceptional accuracy, and repeatable results. With DuraSoft, your testing becomes more reliable, consistent, and less dependent on operator variability.

DuraSoft simplifies operations by storing frequently used programs with all essential parameters and calculations. It also features seamless data output options like automated reports and Excel exports. Furthermore, hardness conversions according to ASTM and ISO standards are included as standard, making DuraSoft the ideal solution for streamlined and accurate hardness testing.



Engineered for accuracy

Optics

High-quality microscope-grade optics designed to capture the finest details. Featuring in-house developed lenses paired with white LED Köhler illumination and an optional polarizer you will have optimal contrast, even at high magnifications. The advanced design and newly developed optical system ensure full compliance with ISO and ASTM hardness standards.

Touch focus

Our advanced touch focus technology, featuring a dedicated probe, delivers fast and reliable auto-focus even from extended distances. Designed for consistent performance, it ensures operator independence and exceptional repeatability.

Freedom in testing

Experience unmatched versatility with the innovative 8-position turret, a masterpiece of high-quality mechanical engineering. Its angled design provides full

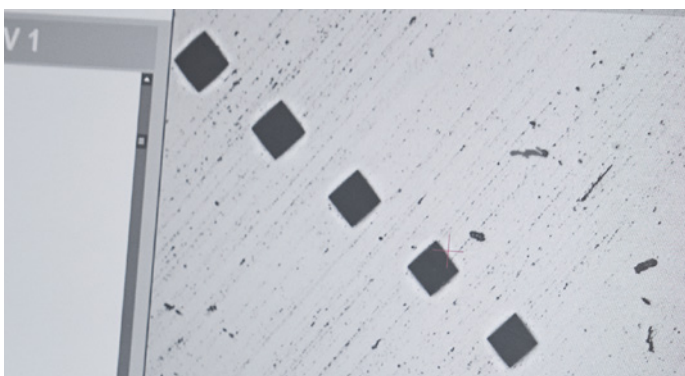


The built-in collision protection, prevents damage and down time.

access and enhanced visibility for your samples.

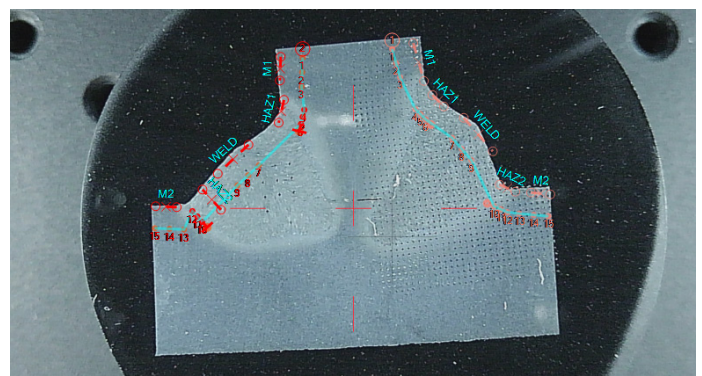
Each indenter position supports Vickers, Knoop, or Brinell indenters and is fully field-exchangeable for maximum adaptability.

Software module to fit your needs



DuraSoft CHD, NHD, SHD module

Quick setup for test, analysis and reporting of surface treated samples. Easy to position indentation patterns perpendicular to the surface thanks to the “Edge Detection” function.



DuraSoft Weld test module

Dedicated Weld Hardness measurement module for defining patterns according to base material, HAZ and Weld zone. Can be adapted to any weld geometries. Allows accurate positioning of the indents along the Fusion Line with specific distance from the surface.

Many more application specific software modules available

Which model fits your needs?



DuraVista-80M / DuraVista-80A

DuraVista-80M

Moveable test head, which rapidly positions the load system and optics to the desired position. The test loads are applied by a separate high-precision load motor.

DuraVista-80A

As the DuraVista-80M, but now with overview camera, to position complex patterns in a faster manner and to beef up your reports with an overview image of your parts.



DuraVista-80MT / DuraVista-80AT

DuraVista-80MT

The Twin model DuraVista-80MT adds an additional dimension by adding a test table spindle, which allows to position your sample(-s) at a comfortable height, and which unleashes unmatched flexibility.

DuraVista-80AT

The DuraVista-80AT combines the powerful overview camera with and the Twin Z-axis into one machine.

	DuraVista-80M	DuraVista-80MT	DuraVista-80A	DuraVista-80AT
Configurable load range 0,1gf - 62,5kgf	●	●	●	●
Hardness methods: Vickers, Knoop, Brinell	●	●	●	●
Hardness method KIC	●	●	●	●
Standard objectives 10x and 50x	●	●	●	●
Measurement system 18 Mpix camera with auto-focus & auto measure	●	●	●	●
Motorized Z-axis test head	●	●	●	●
Motorized Z-axis test table	-	●	-	●
13 Mpix overview camera	optional	optional	●	●
Pattern configurator with CHD module	optional	optional	●	●
DuraSoft-Met Metallography software pack	optional	optional	●	●

Expand with

2nd indenter position

Additional objectives (2,5x, 5x, 10x, 20x, 40x, 50x, 100x)

Software modules for CDH, SHD, NHD, Weld testing, Screw head and many more



Scan for more information