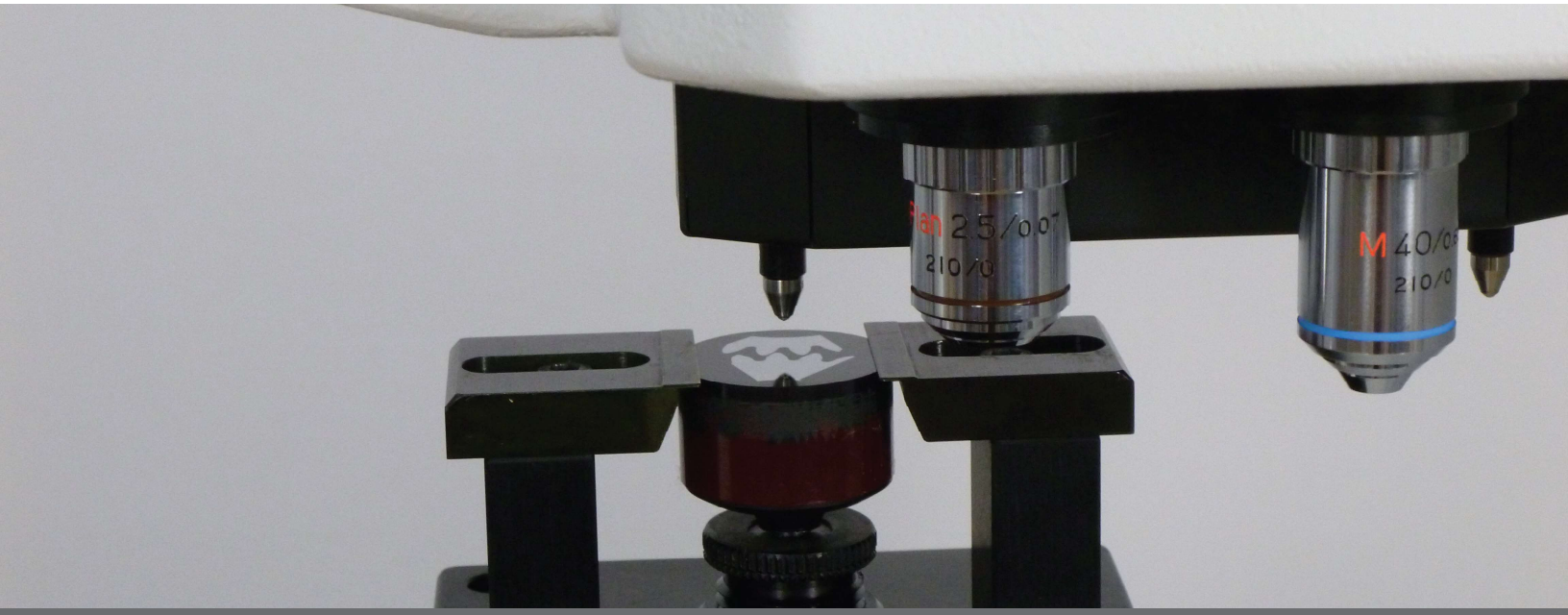
DCI
MICROSCOPY



SOLUTIONS FOR MICROHARDNESS TESTING

DCI HT

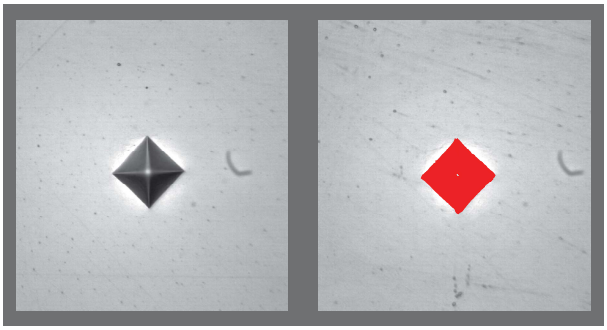
DCI MicroHardness solutions are extremely user-friendly and will ensure reproducibility, repeatability and most of all, efficiency in your laboratory, maximizing productivity and minimizing operating costs. DCI staff with 40 years of expertise brings you assurance that its hardness instruments are fully compliant with ASTM E-384, ISO 6507 and several other International standards.

Two solutions are offered: an entrance level kit and a semi-automatic solution that comprise most features of a fully automated system, at half the cost.

DCI HT Lite:

Easy Adaptation:

DCI HT can easily upgrade existing manual microhardness testers. C-mount adapters are provided with each Lite kit to adapt the supplied USB3 high definition black and white camera.

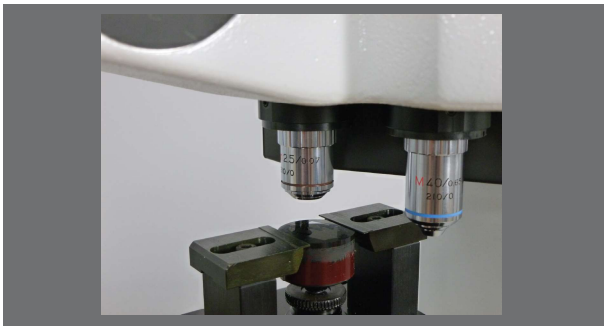


Automatic Measurements and conversions:

Our software performs measurements by image analysis. Indents are measured automatically, making the analysis process easier and faster. Conventionnal digital calipers are also featured.

High Quality Japanese hardness tester:

DCI HT packages are availables with optional high quality Japan-built hardness testers. These testers come in many different configurations, for every microhardness testing needs.



Microhardness tester control:

DCI HT software has integrated ability to control some microhardness testing machines, such as Matsuzawa and Future-Tech testers.

Simple reporting:

Reports can be generated automatically from DCI HT, allowing an even simpler and faster workflow. Custom reports can also be easily generated with our data export function.

DCI MICROSCOPY Capture Software

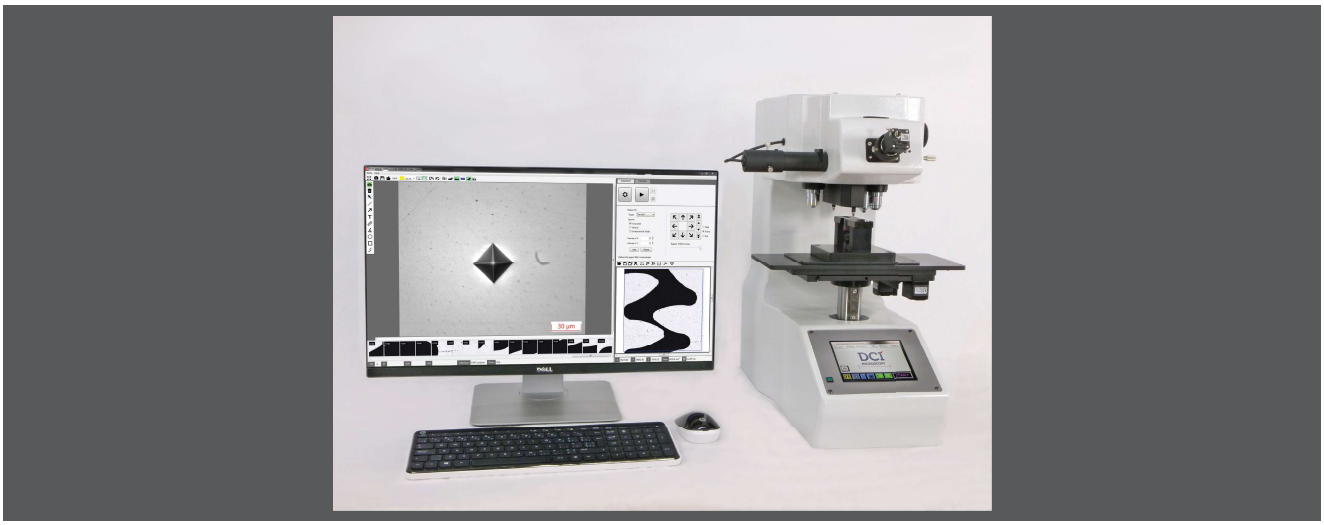
Imaging features:

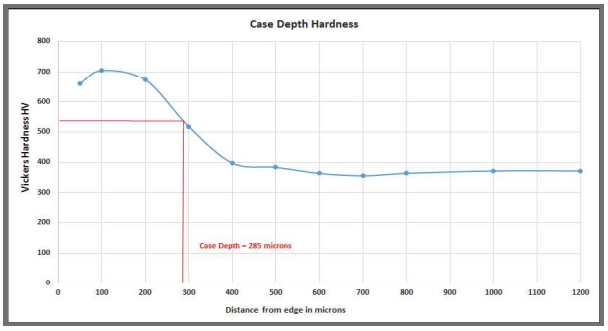
DCI HT comes with all the features of our powerful image capture software. It is possible to use the imaging and direct measurement functions, such as manual mosaic images*.

*Consult DCI Capture brochure's for a complete list of features.

DCI HT Semi-Auto:

DCI HT Semi-Auto is the most cost effective microhardness testing package yet. It includes all the features of the DCI HT Lite kit, and an innovative encoded manual stage, that gives many benefits and precision of a motorized stage at a much lower cost. An optional high quality Japanese built tester can be supplied.





Case Depth measurement capabilities:

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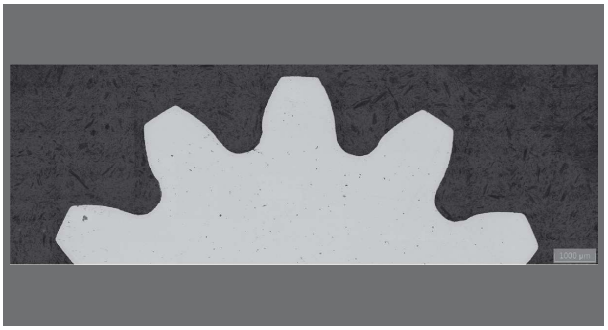

Manual macro view option:

The encoded manual stage allow the user to manually and easilly construct a large preview* of the sample, adding precious information about the shape, Heat Affected Zone (HAZ) and layout of the sample before indents or traverses are performed.

This tool is a great asset when analysis of a large area is required, especially for case depth assessments on welds and HAZ hardness mesurements.

Encoded Stage:

Propriatory encoded stage of 100 x 100 mm, with a 10 µm precision. Allow users to manually and precisely position indents, or traverses for case depth assessments. Analysis patterns can be created and rotated at any angle, so no sample repositionning is required when making different traverses.

Simple Workflow:

1- Indent

2- Measure

3- Validate results

4- Share

Many Possibilities:

Lite:	Semi-Automatic:
Camera + Software + Computer (Optional)	Camera + Software + Computer + Encoded Stage

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