

THE FINAL STEP OF THE PROCESS

PRESI offers a new vision of hardness with its complete range of micro and macro-hardness testers.

For the examination of your samples and the determination of the material characteristics, we design top of the range equipment. They guarantee perfectly reliable and repeatable results.

Thanks to our scalable hardware and software solutions, we can cover the whole range, up to the highly specialised needs.

A complete vision, without compromise.



INDENTER TYPE

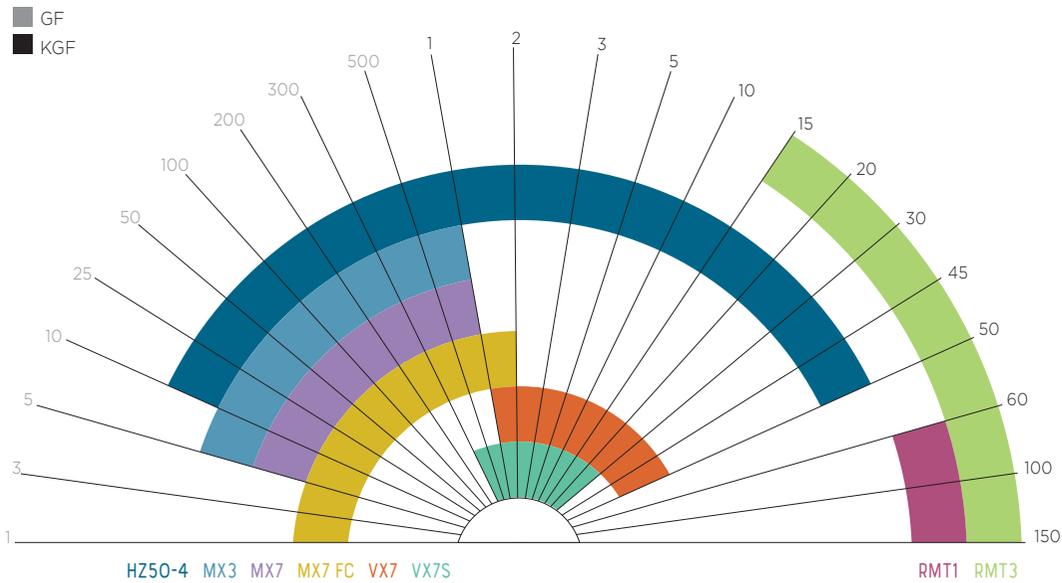
	HZ50-4	MICROTECH MX3	MICROTECH MX7	MICROTECH MX7 low loads	MACROTECH VX7	MACROTECH VX7S	MACROTECH RMT1	MACROTECH RMT3
VICKERS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
KNOOP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BRINELL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROCKWELL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NUMBER OF TURRET POSITIONS

	NUMBER OF OBJECTIVES + NUMBER OF INDENTERS						TURRET
	2 + 1	2 + 2	3 + 1	3 + 2	4 + 1	4 + 2	
HZ50-4	standard					standard	automatic
MICROTECH MX3	standard	Yes	Yes	Yes	Yes	Yes	manual
MICROTECH MX7	standard	Yes	Yes	Yes	Yes	Yes	automatic
MICROTECH MX7 FC	Yes			standard	Yes	Yes	automatic
MACROTECH VX7	standard	Yes	Yes	Yes	Yes	Yes	automatic
MACROTECH VX7S	standard	Yes	Yes	Yes	Yes	Yes	automatic

Available objectives for the MATSUZAWA range: x2,5 x5 x10 x20 x50 x100

LOAD RANGE



UPGRADABILITY MATSUZAWA RANGE PACK VIEW > PACK TOUCH MANUAL > PACK TOUCH SEMI-AUTO

	PACK PRESI View		PACK PRESI Touch	
	PACK VIEW Hardness	PACK TOUCH Manual	PACK TOUCH Semi-auto	
INDENTATION TYPE				
Single indents	✓	✓	✓	
Manual pattern		✓		
Semi-automatic pattern			✓	
EQUIPMENT				
Multilingual software for measurement and image analysis	✓	✓	✓	
USB2 digital camera, 1.3M pixels	✓	✓	✓	
Automatic light		✓	✓	
Turret control		✓	✓	
Motorized stage and joystick			✓	
Control box			✓	
FEATURES				
Manual or automatic measurement	✓	✓	✓	
Automatic storage of results and photos	✓	✓	✓	
Pattern settings		✓	✓	
Hardness tester / PC communication		✓	✓	
Overview			✓	
Alerts for measurement errors and load differences		✓	✓	
Analysis reports		✓	✓	

HZ50-4

FULLY AUTOMATIC HARDNESS TESTER
OPTICAL QUALITY, RELIABILITY AND PRECISION

Ref. 71123

The HZ50-4 hardness tester is instantly recognizable. 100% made in France, its original design along with its robustness and highly technical capacities make it an essential work tool. High rigidity of the chassis for a perfect load application. Silent operation.

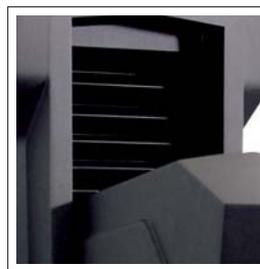
7 position turret:

- 4 lenses
- 2 indenters
- 1 touch sensor



Nikon objectives
for a magnification up to 2000x

Ergonomic joystick
with customizable sensitivity



major vertical extension:
allows a large work space



2 LED lighting system:
for micro and macroscopy use

Motorized marble stage

800mm

700mm

370mm

80kg

CHARACTERISTICS

LOAD APPLICATION	
Test load range	From 10gf to 50kgf
Scales	Vickers, Knoop
Test load accuracy	< 1%
Dwell time	1 - 999 seconds
TURRET	
Load cells	2
Touch sensor	1
Objectives	4
Magnification	x200 to x2000
Cameras	1 macroscopic view, color 1 microscopic view, black and white
Z axis travel	250mm with stage
Z axis feeding accuracy	0.05µm
STAGE	
Dimensions	420 x 210mm
X axis travel	200mm
Y axis travel	180mm
Stage feeding accuracy	1µm
Max. work piece weight	80kg
GENERAL	
Power	220W
Ports	3 USB
Standard compliance	ISO 6507 & 4545; ASTM E384 and E92

ACCESSORIES

SAMPLE HOLDERS



For non mounted sample
Ref. 71157



Single place sample holder
Ref. 71109



Sample holder 4 places
Ref. 71175



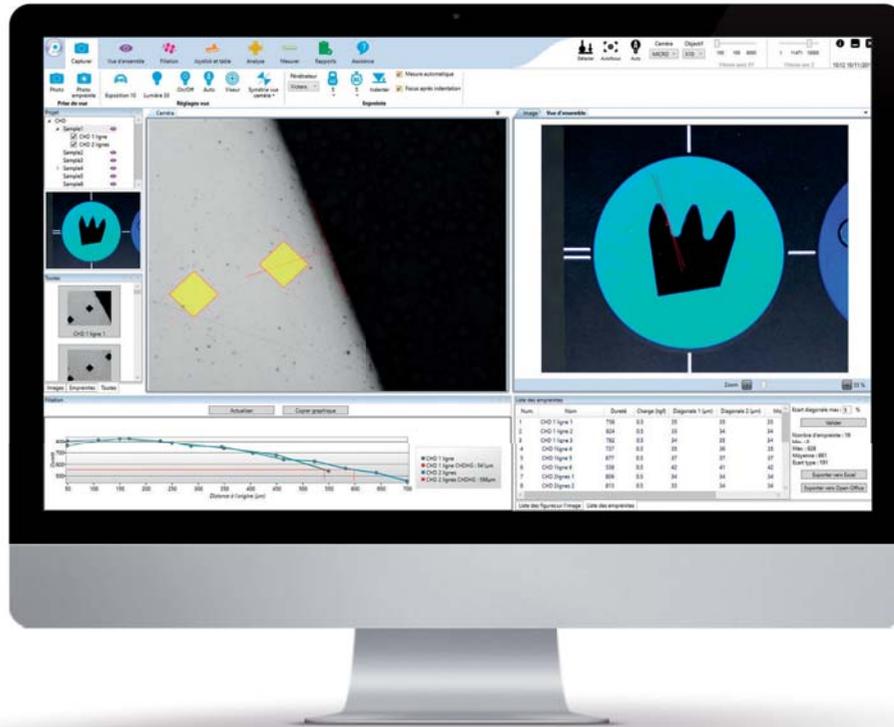
Sample holder 6 places
Ref. 71176

Download the HZ50-4 technical sheet

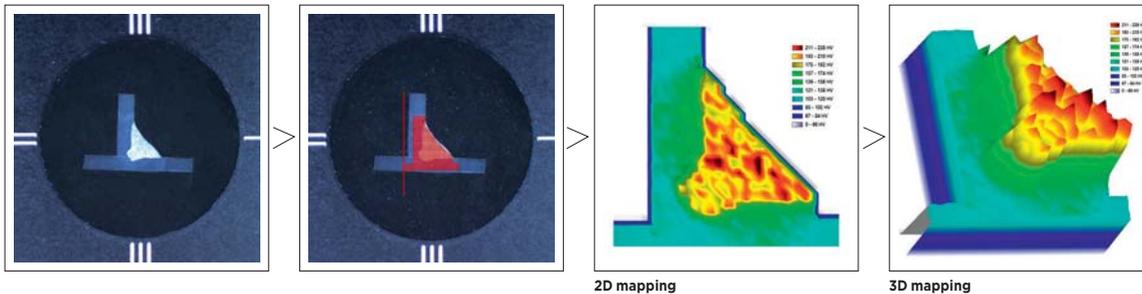


PRESI TOUCH

Intuitive software with a graphic menu.
 100% customizable interface.
 Permanent overall view of the results and data.
 Built-in search engine.
 Automatic or manual indent measurement.
 Single indent, regular or irregular pattern mapping.



Automatic Mapping feature



CHARACTERISTICS

SOFTWARE

Version	Full automatic
Operating system	Windows 7, 8 and 10 - 64bit

CONTROLS

- Automatic XYZ movement
- XYZ joystick movement
- Manual joystick sensitivity control
- Automatic Z focus
- Automatic and manual light intensity

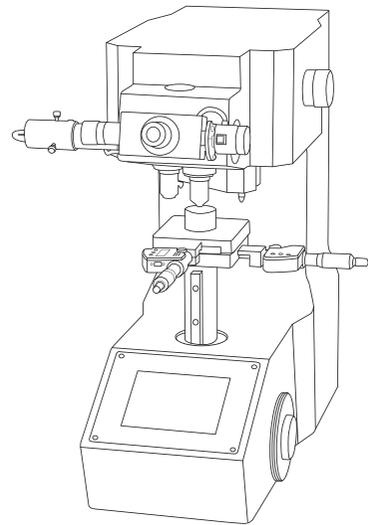
FEATURES

- Various measuring tools
- Automatic and manual measurements
- Automatic and manual mapping
- Single indentation
- Pattern/structure indentations (create, save and reopen)
- Irregular pattern
- Macroscopic view picture
- Microscopic/Macroscopic mosaic picture
- Automatic load selection
- Automatic multi sample detection
- Heat treatment feature (CHD)
- Integrated search engine
- Automatic report generator
- Report extraction (PDF, MS Excel, Open Office)

MICROTECH MX3

Ref. 71116

The Vickers MX3 hardness tester with manual turret offers a complete solution in order to meet the needs of quality laboratories, as well as on-line controls.



- 530mm
- 250mm
- 520mm
- 35kg



- Manual turret up to 6 positions.
- Vickers and Knoop hardness.
- Automatic load application.
- High-rigidity frame.

UPGRADABILITY

PACK PRESI View Hardness → PACK PRESI Touch Manual → PACK PRESI Touch Semi-auto

LOAD RANGE (GF)



CHARACTERISTICS

	STANDARD	OPTION
Manual turret	2 objectives x10 x50 1 Vickers indenter	Up to 4 objectives including x10 and x50, 1 Vickers indenter and 1 Knoop indenter
Load application	Automatic load application	-
Indentation time	5 to 99s	-
Precision	0.01µm (x200 - x1000)	-
Magnification	x100 - x500	x25 - x1000
Max. measurable length	200µm	-
Data output	RS 232C output	-
Memory	999 max. memorized measurements	-
Conversions	Conversion to other scales according to SAE (J-417B), ASTM (E-140)	-
Max. sample height	120mm	-
Power supply	240V / 50 - 60Hz	-
Touchscreen	LCD display with backlight	-
Visualisation/Measurement	Direct measurement in the eyepiece and results display	-
Lighting	LED	-

AVAILABLE OPTIONS

INDENTERS



VICKERS
Ref. 71164



KNOOP
Ref. 71134

STANDARD VICES



50mm opening
Ref. 71133
100mm opening
Ref. 71199

OBJECTIVES



x2,5
Ref. 71106

x5
Ref. 71154

x10
Ref. 71142

x20
Ref. 71129

x50
Ref. 71143

x100
Ref. 71135

TURRET

3-position turret for objectives
Ref. 71131

4-position turret for objectives
Ref. 71130

2 indenters Knoop and Vickers
Ref. 71115

SAMPLE HOLDERS AND REMOVABLE HOLDERS



Sample holder for non-mounted samples
Ref. 71157



Single place sample holder
Ref. 71109



Sample holder 4 places
Ref. 71175



Removable holder 25mm
Ref. 71174

Removable holder 25.4mm
Ref. 71144

Removable holder 30mm
Ref. 71110

Removable holder 31.7mm
Ref. 71111

Removable holder 38.1mm
Ref. 71145

Removable holder 40mm
Ref. 71125

Removable holder 50mm
Ref. 71173

OTHER ACCESSORIES



C Mount for Microtech
Ref. 71108



Standard Vickers test block 30mm x 10mm for Microtech
Ref. 71113



Object micrometer
Ref. 71503



Digital micrometers for manual XY stage
Ref. 71120

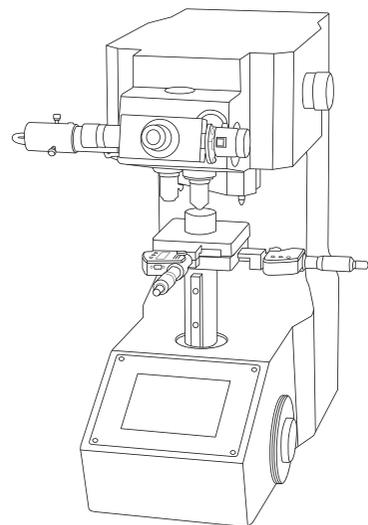
MICROTECH MX7

MICROTECH MX7

LOW LOADS

MX7 Ref. 71114 - MX7 low loads Ref. 71105

The Vickers MX7 and MX7 low load hardness testers with automatic turret offer a complete solution in order to meet the needs of quality laboratories, as well as on-line controls.



-  530mm
-  250mm
-  520mm
-  35kg

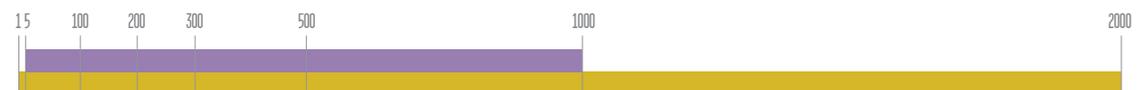


- Automatic turret up to 6 positions.
- Vickers and Knoop hardness.
- Automatic load application.
- High-rigidity frame.

UPGRADABILITY

- PACK PRESI View Hardness
- PACK PRESI Touch Manual
- PACK PRESI Touch Semi-auto

LOAD RANGE (GF)



CHARACTERISTICS

	MX7	MX7 LOW LOADS
Automatic turret	2 objectives x10 x50 1 Vickers indenter	3 objectives x10 x50 x100 1 Vickers indenter + 1 Knoop indenter
Turret options	Up to 4 objectives including x10 x50 + 2 indenters	Up to 4 objectives including x10 x50 x100
Load application	Automatic load application	Automatic load application
Load application speed	50µm/s	50µm/s
Indentation time	5 to 99s	5 to 99s
Precision	0.1µm (x200 - x1000)	0.1µm (x200 - x1000)
Magnification	x100 - x500	x100 - x500 - x1000
Max. measurable length	200µm	200µm
Data output	RS 232C output	RS 232C output
Memory	999 max. memorized measurements	999 max. memorized measurements
Conversions	Conversion to other scales according to SAE (J-417B), ASTM (E-140)	Conversion to other scales according to SAE (J-417B), ASTM (E-140)
Max. sample height	120mm	120mm
Power supply	240V / 50 - 60Hz	240V / 50 - 60Hz
Touchscreen	LCD display with backlight	LCD display with backlight
Lighting	LED	LED

AVAILABLE OPTIONS

INDENTERS



VICKERS
Ref. 71164



KNOOP
Ref. 71134

STANDARD VICES



50mm opening
Ref. 71133
100mm opening
Ref. 71199

OBJECTIVES



x2,5
Ref. 71106

x5
Ref. 71154

x10
Ref. 71142

x20
Ref. 71129

x50
Ref. 71143

x100
Ref. 71135

TURRET

**3-position turret
for objectives**
Ref. 71131

**4-position turret
for objectives**
Ref. 71130

**2 indenters Knoop
and Vickers**
Ref. 71115

SAMPLE HOLDERS AND REMOVABLE HOLDERS



**Sample holder
for non-mounted
samples**
Ref. 71157



**Single place sample
holder**
Ref. 71109



**Sample holder
4 places**
Ref. 71175



**Removable holder
ø 25mm**
Ref. 71174

**Removable holder
ø 25.4mm**
Ref. 71144

**Removable holder
ø 30mm**
Ref. 71110

**Removable holder
ø 31.7mm**
Ref. 71111

**Removable holder
ø 38.1mm**
Ref. 71145

**Removable holder
ø 40mm**
Ref. 71125

**Removable holder
ø 50mm**
Ref. 71173

OTHER ACCESSORIES



**C Mount
for Microtech**
Ref. 71108



**Standard Vickers test
block ø 30mm x 10mm
for Microtech**
Ref. 71113



Object micrometer
Ref. 71503



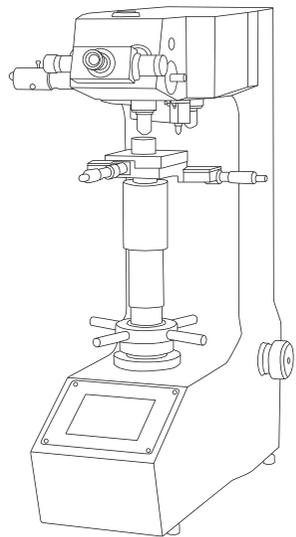
**Digital micrometers
for manual XY stage**
Ref. 71120

MACROTECH VX7

MACROTECH VX7S

VX7 Ref. 71124 - VX7S Ref. 71132

The Vickers VX7 and VX7S hardness testers and semi-macro hardness testers with automatic turret offer complete solution to meet the needs of quality laboratories, as well as production line controls.



↕ 770mm

↔ 230mm

↙ 580mm

📦 55kg for MACROTECH VX7
52kg for MACROTECH VX7S



- 5-position automatic turret.
- Touchscreen.
- Hardness Vickers, Knoop and Brinell.
- Automatic load application.
- High-rigidity frame.

UPGRADABILITY

PACK PRESI
View Hardness

▶ PACK PRESI
Touch Manual

▶ PACK PRESI
Touch Semi-auto

LOAD RANGE (KGF)



CHARACTERISTICS

	VX7	VX7S
Automatic turret	2 objectives x10 x20, 1 Vickers indenter	2 objectives x10 x20, 1 Vickers indenter
Options turret	Up to 4 objectives including x10 x20 + 1 indenter	Up to 4 objectives including x10 x20 + 1 indenter
Load application	Automatic load application	Automatic load application
Load application speed	85µm/s	85µm/s
Indentation time	5 to 99s	5 to 99s
Precision	In accordance with ISO 6507-2, JIS B7725, ASTM (E-384) standards	In accordance with ISO 6507-2, JIS B7725, ASTM (E-384) standards
Magnification	x100 - x200	x100 - x200
Max. measurable length	999.9µm - 600µm	999.9µm - 600µm
Data output	RS 232C output	RS 232C output
Memory	999 max. memorized measurements	999 max. memorized measurements
Conversions	Conversion to other scales according to ASTM (E-140) et JIS	Conversion to other scales according to ASTM (E-140) et JIS
Max. sample height	250mm	250mm
Max. sample length	150mm	150mm
Power supply	240V / 50 - 60Hz	240V / 50 - 60Hz
Touchscreen	LCD display with backlight	LCD display with backlight
Lighting	LED	LED

AVAILABLE OPTIONS

INDENTERS



VICKERS
Ref. 71164



KNOOP
Ref. 71134

STANDARD VICES



50mm opening
Ref. 71133
100mm opening
Ref. 71199

OBJECTIVES



x2,5
Ref. 71106

x5
Ref. 71154

x10
Ref. 71142

x20
Ref. 71129

x50
Ref. 71143

x100
Ref. 71135

SAMPLE HOLDERS AND REMOVABLE HOLDERS



Sample holder for non-mounted samples
Ref. 71157



Single place sample holder
Ref. 71109



Sample holder 4 places
Ref. 71175



Removable holder ø 25mm
Ref. 71174

Removable holder ø 25.4mm
Ref. 71144

Removable holder ø 30mm
Ref. 71110

Removable holder ø 31.7mm
Ref. 71111

Removable holder ø 38.1mm
Ref. 71145

Removable holder ø 40mm
Ref. 71125

Removable holder ø 50mm
Ref. 71173

OTHER ACCESSORIES



Video output + C mount
Ref. 71128



Standard Vickers test block (ø 64 x 15mm)
Ref. 71141



Object micrometer
Ref. 71503



Digital micrometers for manual XY stage
Ref. 71120

Stage adapter for ref. 71122 & 71152
Ref. 71121

Manual XY stage 25 x 25mm movement
Ref. 71122

TURRET

3-position turret for objectives
Ref. 71131

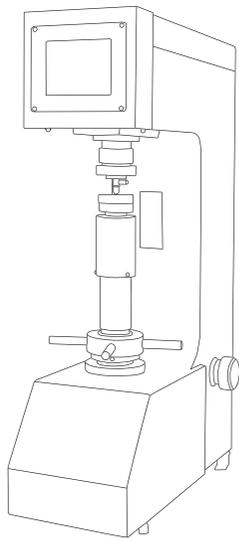
4-position turret for objectives
Ref. 71130

MACROTECH RMT1

MACROTECH RMT3

RMT1 Ref. 71199 - RMT3 Ref. 71117

Rockwell RMT1 and RMT3 hardness testers cover all scales in order to meet the needs of quality laboratories, as well as controls on the production line.



- 830mm
- 220mm
- 540mm
- 100kg



- Automatic indent.
- Direct digital reading.
- Assisted pre-charge.
- Very easy settings.
- New LCD screen.

LOAD RANGE (KGF)



CHARACTERISTICS

	MACROTECH RMT1	MACROTECH RMT3
Preload mode	Assisted preload (LCD Visual and BIP sound)	Assisted preload (LCD Visual and BIP sound)
Load application	Automatic	Automatic
Starting cycle	Automatic start / Possible in manual	Automatic start / Possible in manual
Indentation time	3 to 99s	3 to 99s
Measurements on plastics	Standard	Standard
Measurement scales	C D A G B F K E H P M L V S R	15N 30N 45N 15T 30T 45T 15W 30W 45W 15X 30X 45X 15Y 30Y 45Y C D A G B F K E H P M L V S R
Data output	RS 232C output	RS 232C output
Memory	999 max. memorized measurements	999 max. memorized measurements
Conversions	In accordance with SAE J417b, ASTM E 140 standards	In accordance with SAE J417b, ASTM E 140 standards
Precision	In accordance with JIS B7726, ASTM (E-18) standards	In accordance with JIS B7726, ASTM (E-18) standards
Max. sample height	200mm	200mm
Max. depth piece	165mm	165mm
Power supply	240V / 50 - 60Hz	240V / 50 - 60Hz
Touchscreen	LCD display with backlight	LCD display with backlight

AVAILABLE ACCESSORIES



Ball indenter	Diam 1/8", 1/4", 1/2", 3/4"
Steel balls	Diam 1/8", 1/4", 1/2", 3/4"
Round stage	Diam 200mm
Other stage	V table (small), stud, diamond stud
JIG tests on long samples	Vari-Rest & Jack-Rest
Micrometric displacement stage for the Jomini tests	Maximum displacement: about 55 mm Mini scale: 1/10mm or 1/160"

AVAILABLE OPTIONS

STANDARD VICES	OTHER ACCESSORY
<p>50mm opening Ref. 71133</p> <p>100mm opening Ref. 71199</p>	<p>Standard Rockwell C test block (ø 64 x 15mm) Ref. 71167</p>

PRESI VIEW & PRESI TOUCH

PRESI View and PRESI Touch softwares have been developed by our engineers around a new generation of digital cameras, to meet the needs of digital imaging laboratories and users.

Very intuitive, they handle the acquisition, treatment and editing of images. Thanks to an ergonomic architecture, the software is user-friendly.

Monochrome or color, our digital cameras are equipped with 1/2" CMOS sensors, with Rolling or Global Shutter, depending on the model. Our USB2 1.3 to 5 Mpixels cameras offer excellent **fluidity** and are **easy to install**.

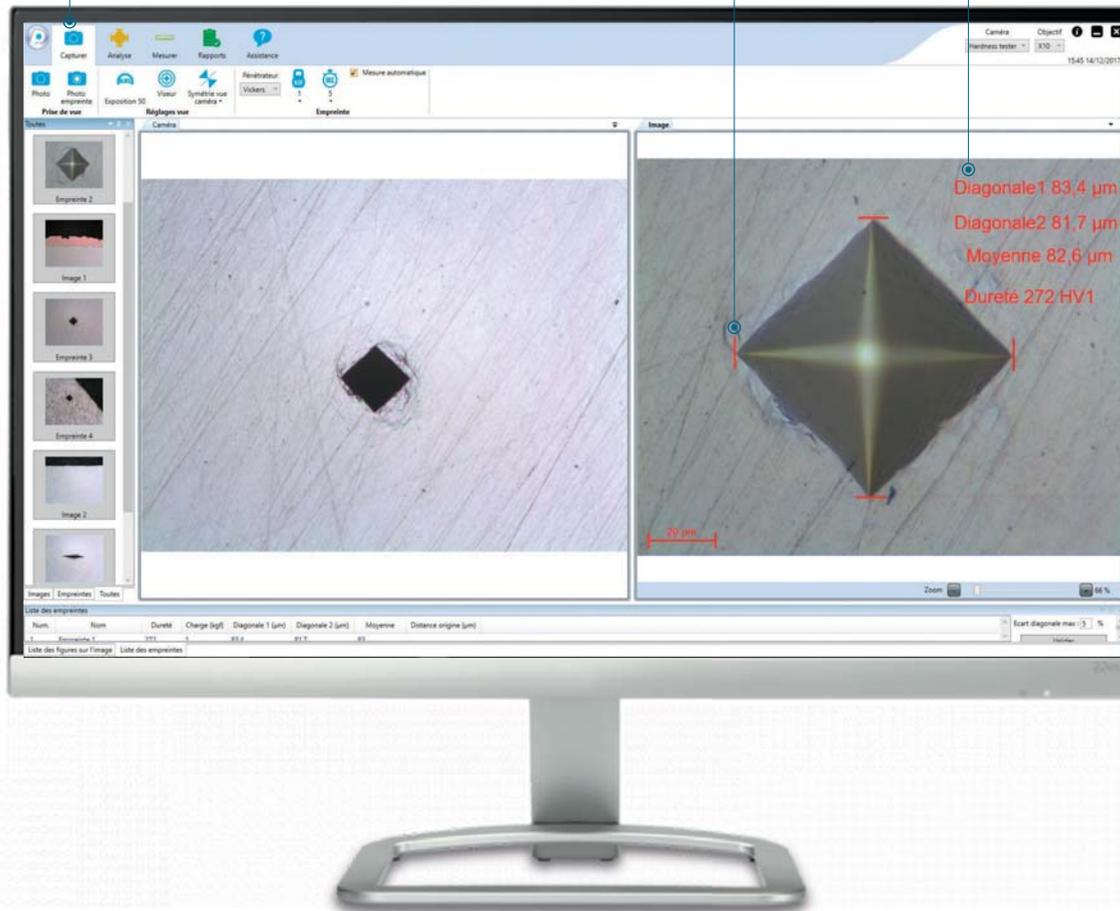
THE RIGHT SOFTWARE FOR THE RIGHT USAGE

	PRESI View	PRESI Touch
Manual indent analysis	●	●
Automatic indent analysis	●	●
Single indent management	●	●
Multi-language software	●	●
Pattern management		●
Integrated report		●
Hardness tester control		●

Easy learning for the operator: pleasant and easy software interface

Accuracy of measurements

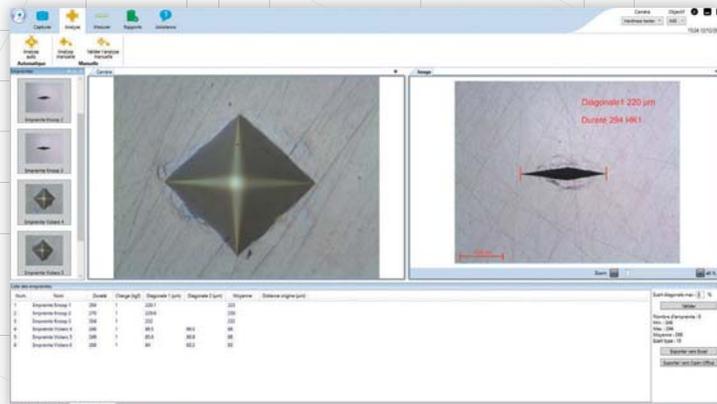
Great work confort and easy data reading



PRESI VIEW & PRESI TOUCH

HARDNESS CONTROL

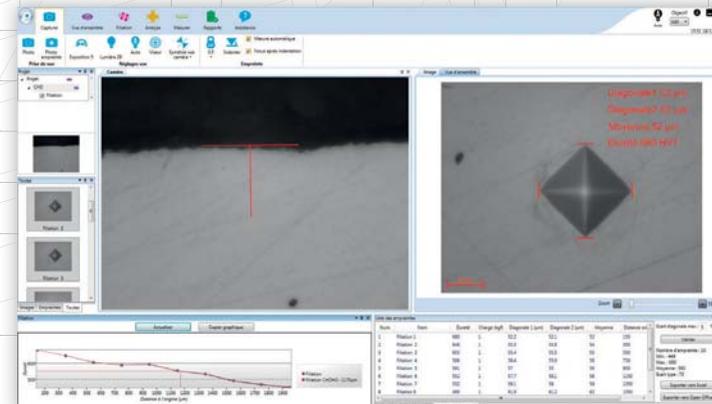
Image analysis and manual reading.
Vickers and Knoop measurement.



PRESI View - Hardness interface

THERMAL TREATMENT CONTROL

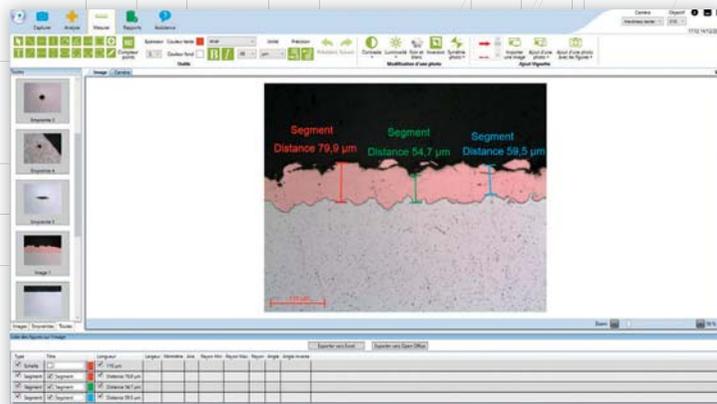
Depth control for heat treatments by direct measurement
or by using composed measuring tools, such as projection.



PRESI Touch interface

DIMENSIONAL CONTROL

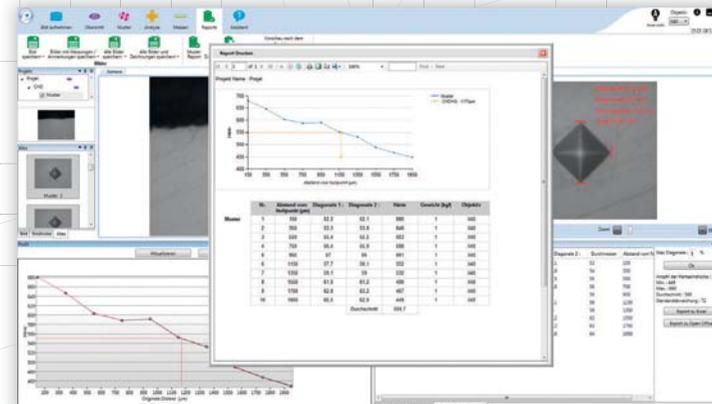
Length measurements, angles, diameters, surfaces on cuts
of pieces such as layers painting, surface treatments, deposits, etc.



PRESI View - Full interface

PRODUCTION CONTROL

Precise, intuitive and fast software for obtaining
results in production controls.



PRESI Touch interface

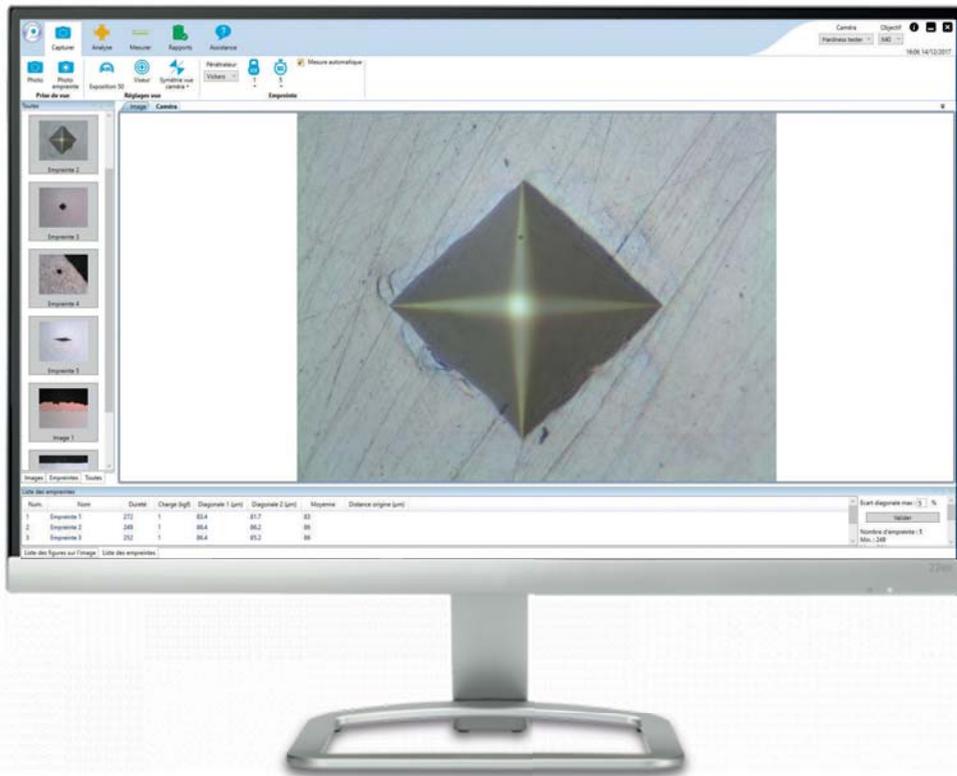
PACK PRESI VIEW

HARDNESS

ACCESSIBLE AND INTUITIVE DIGITAL IMAGERY FOR SINGLE INDENTS

Specially designed for single indent analysis, the PRESI View Hardness software has a simple interface and a pleasant workspace. Thanks to easily identifiable icons, the software is user-friendly and the operator is quickly autonomous on his tasks. On-screen visualisation of the indent, as well as the assisted analysis, offer a great work comfort.

-  EASY AND INTUITIVE
-  AUTOMATIC ANALYSIS
-  IMAGE FLUIDITY
-  DATA STORAGE



FUNCTIONALITIES

LANGUAGE

Software available in 3 languages: English + French + German

INDENTATION TYPE

Single indent

SOFTWARE

Simultaneous functioning with multiple cameras on different acquisition means (macro lens, stereomicroscope, microscope, hardness tester and Vickers micro hardness tester)

Manual or automatic measurement

Miniature view of pictures

Customizable formatting

Streamlined and intuitive interface

SETUP MENU

Easy and fast camera settings.
Calibrations achievable in seconds

Presets of the measurement display

EXPLOITATION OF RESULTS

Many recording formats

Automatic storage of results in database

Pictures exportation in format: JPEG / PNG / BMP / GIF

Data exportation in format: Excel / Open Office

COMPATIBILITY

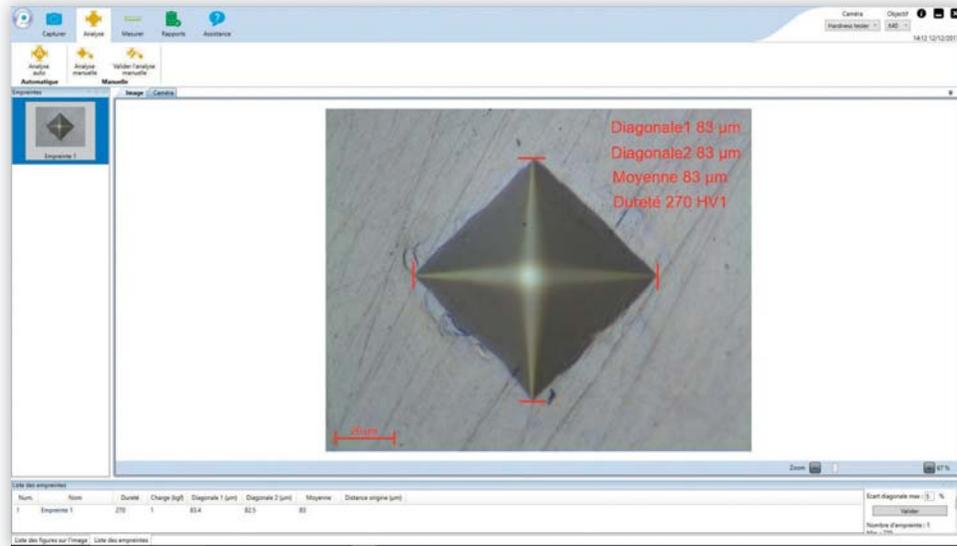
The software is compatible with all our Microtech, Macrotech VX7 and VX7S hardness testers, and all brands equipped with a video output and C mount

EXTENDED FEATURES WITH PRESI VIEW MESURE

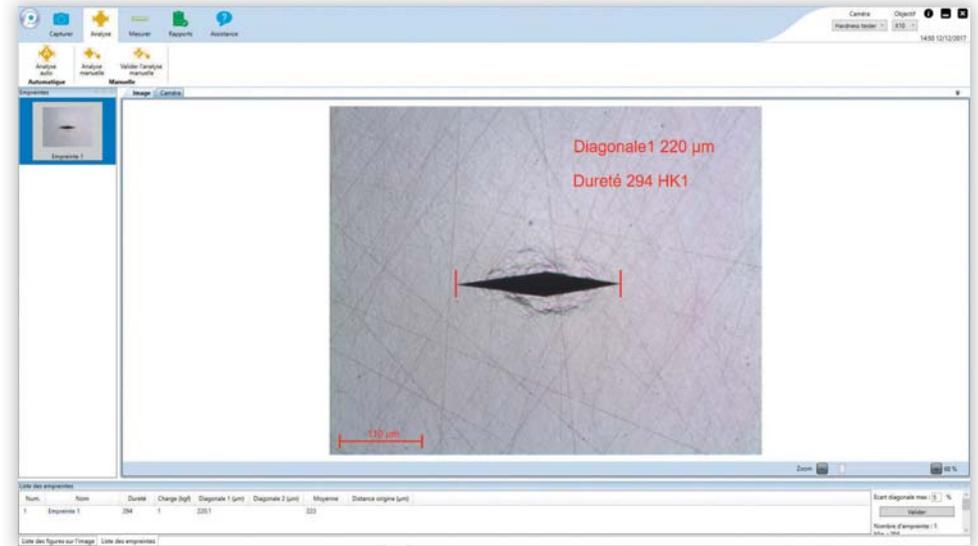
- Lengths, thicknesses, markers, angles...
- Rays, diameters, perimeters, surfaces, circles, arcs...
- Text boxes insertions, titles and arrows.

PRESI VIEW HARDNESS

Automatic or manual measurement of Vickers indents.

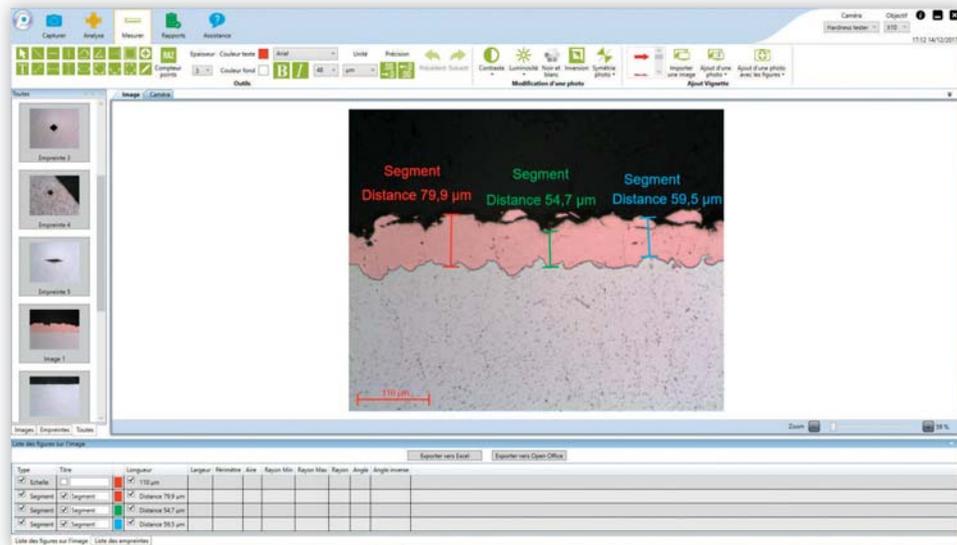


Automatic or manual measurement of Knoop indents.

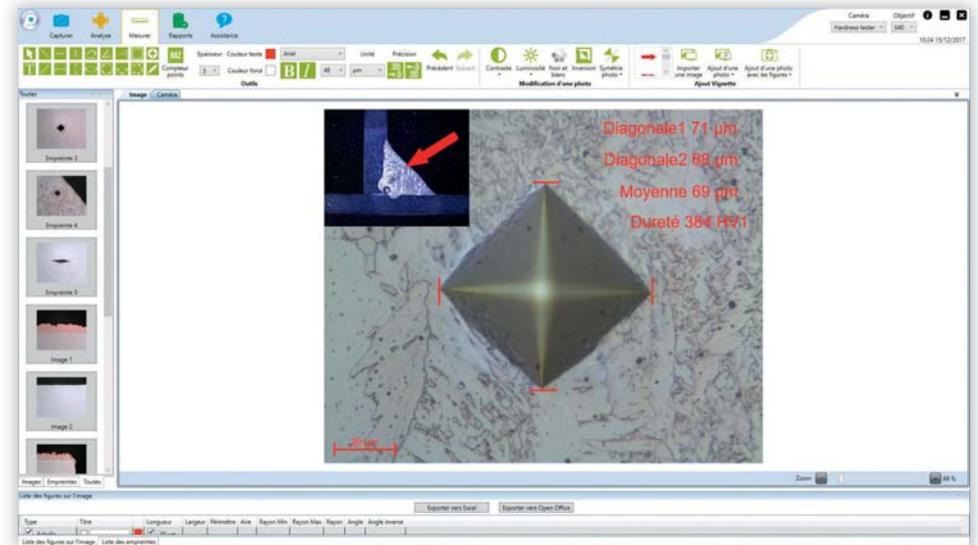


PRESI VIEW FULL

The optional measurement module provides a large number of measurement tools such as measuring angles, polygons, projections, etc.



The addition of a thumbnail enriches the number of information on a photo. The drafting of the report is thus facilitated.



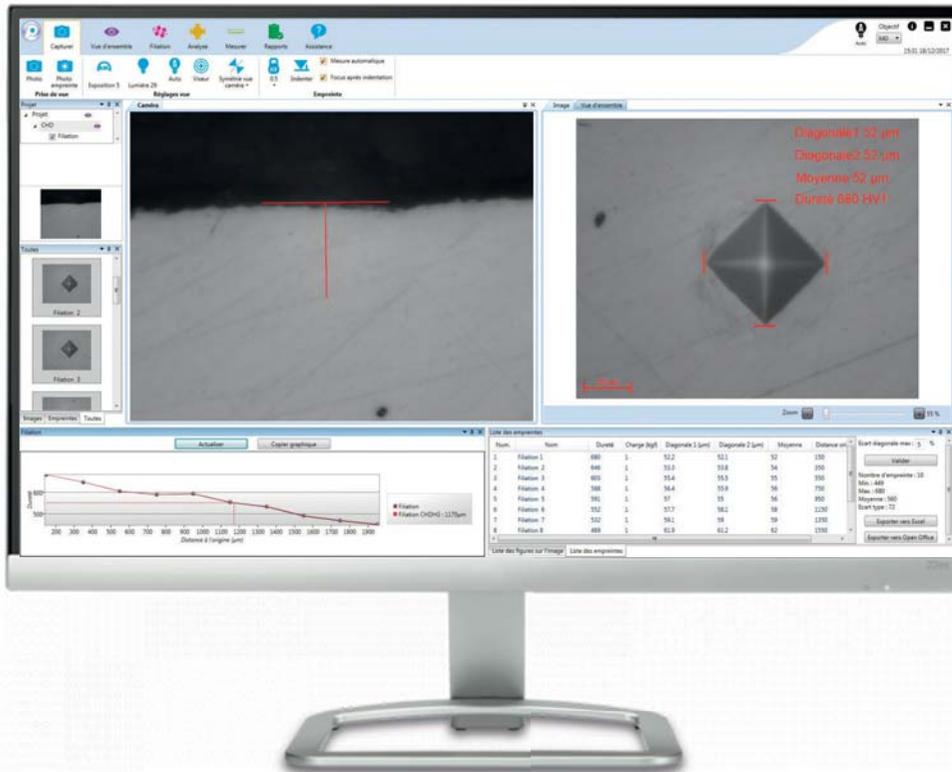
PACK PRESI TOUCH

MANUAL

CREATE AND EASILY MANAGE YOUR HARDNESS FILIATIONS

The **PRESI Touch Manual Pack** is the 2nd level of computerization, allowing the creation and management of hardness patterns. The integrated image analysis in the software allows an easy and reliable interpretation. Designed to facilitate manual patterns and guarantee a perfect repeatability of the results, the PRESI Touch Manual software distinguishes itself by a clear, uncluttered and fully customizable interface. It has numerous features such as automatic measurement or manual indenting. The navigation is simplified, thanks to contextual menus, for a quick start by the operator.

- INTEGRATED MEASURING TOOLS
- GREAT WORK COMFORT AND EASY DATA READING
- PRECISION AND REPEATABILITY OF MEASUREMENTS
- USER-FRIENDLY SOFTWARE



FUNCTIONALITIES

LANGUAGE

Software available in 3 languages: English + French + German

INDENTATION TYPE

Single indent
Manual pattern with travel assistant: indication of the coordinates of the moves to be made

EQUIPMENT

Measurement and analysis software

USB2 digital camera, 1.3M pixels: the transmitted image on the computer screen is accurate and fluid

Automatic or manual brightness: the software offers an optimal brightness setting on the sample to be analyzed

Turret management:

- Manual: the software indicates via pop-up which position to select
- Motorized: the software automatically controls the change of position

FEATURES

Automatic or manual measurement: the operator can choose to let the PRESI Touch software automatically analyze the indents, or manually perform the interpretation

Automatic storage of results and photos into the database

Search engine: allows you to quickly find already completed projects

Pattern settings: graphical and dynamic menu, allowing real time monitoring of the programming

Hardness tester / PC communication: the operator can control and interact directly with the hardness tester via the software

Difference of load alert: in case of a difference between the programmed load and the manually defined load by the operator, an alert pops up on screen

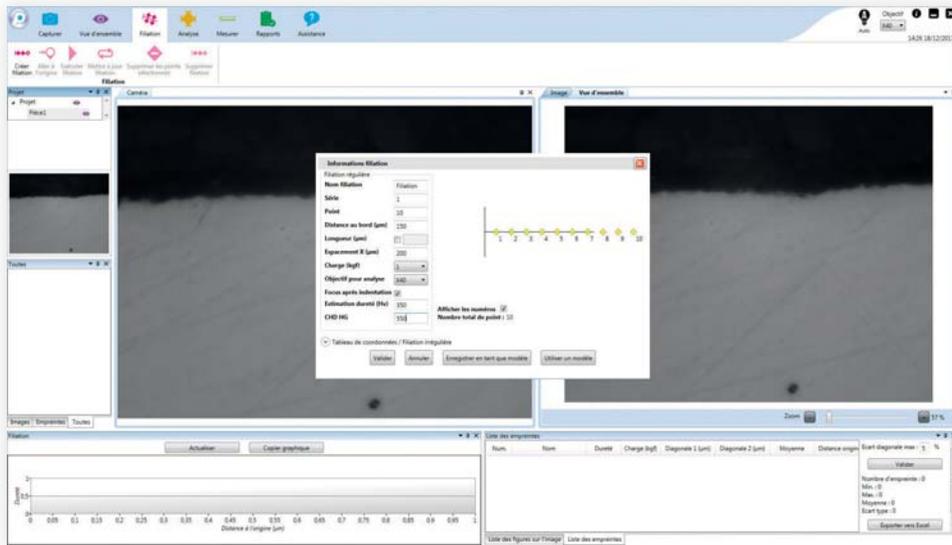
Analysis reports: numbers, graphs and statistics can be exported in one click in Word, Excel or PDF formats

COMPATIBILITY

PRESI Touch Manual software is compatible with all Microtech, Macrotech VX7 and VX7S hardness testers

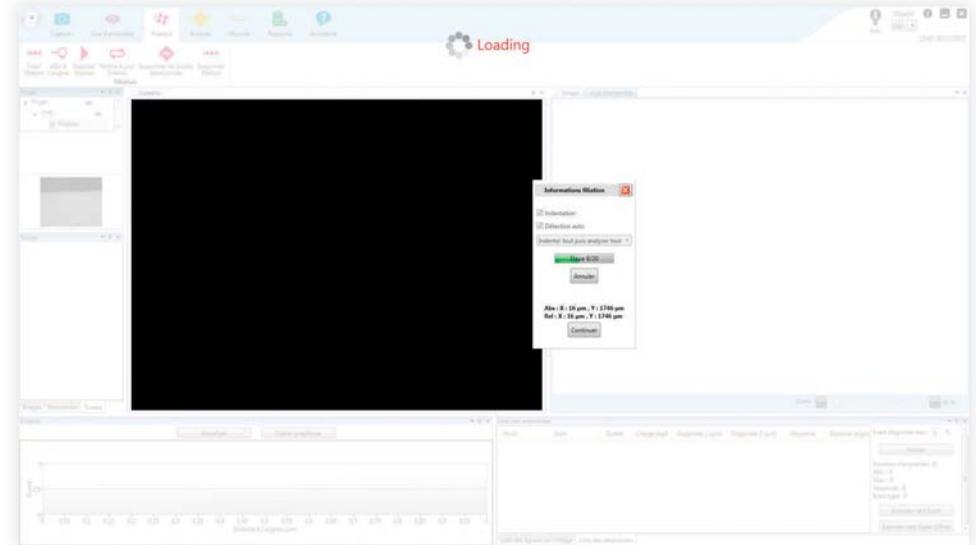
PATTERN CREATION

A graphic and dynamic assistant allows pattern visualization during its programming.



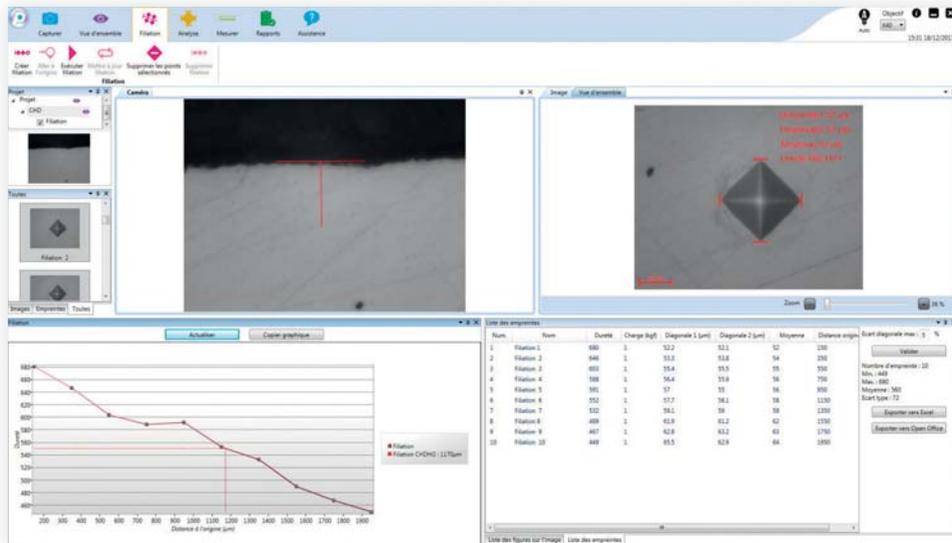
PATTERN EXECUTION

The operator is guided by the software. XY coordinates of the indentations to perform are shown on the screen.



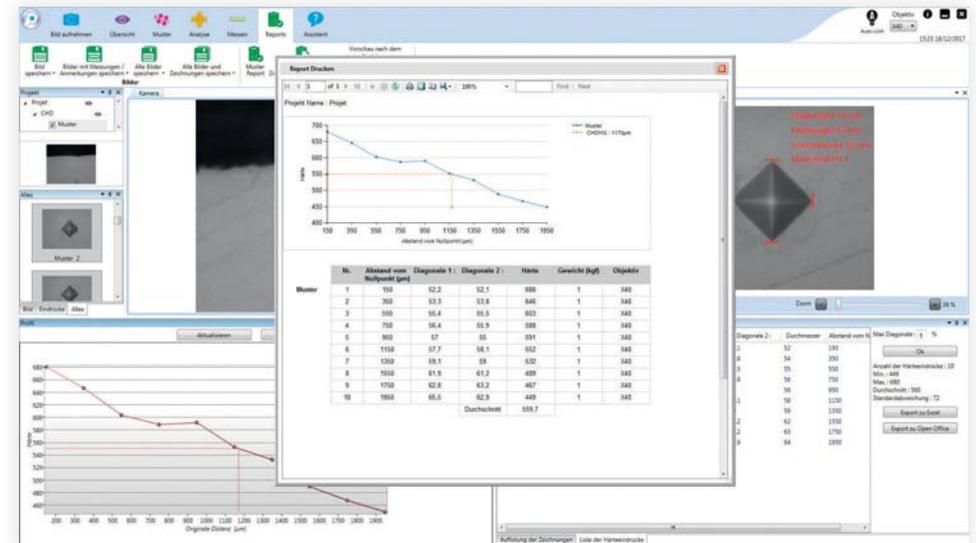
INTERFACE

The fully configurable interface allows the visualization of all results, regardless of the selected function.



AUTOMATIC REPORT

In one click, a report formats the results. This report is printable or recordable in many formats.



PACK PRESI TOUCH

SEMI-AUTO

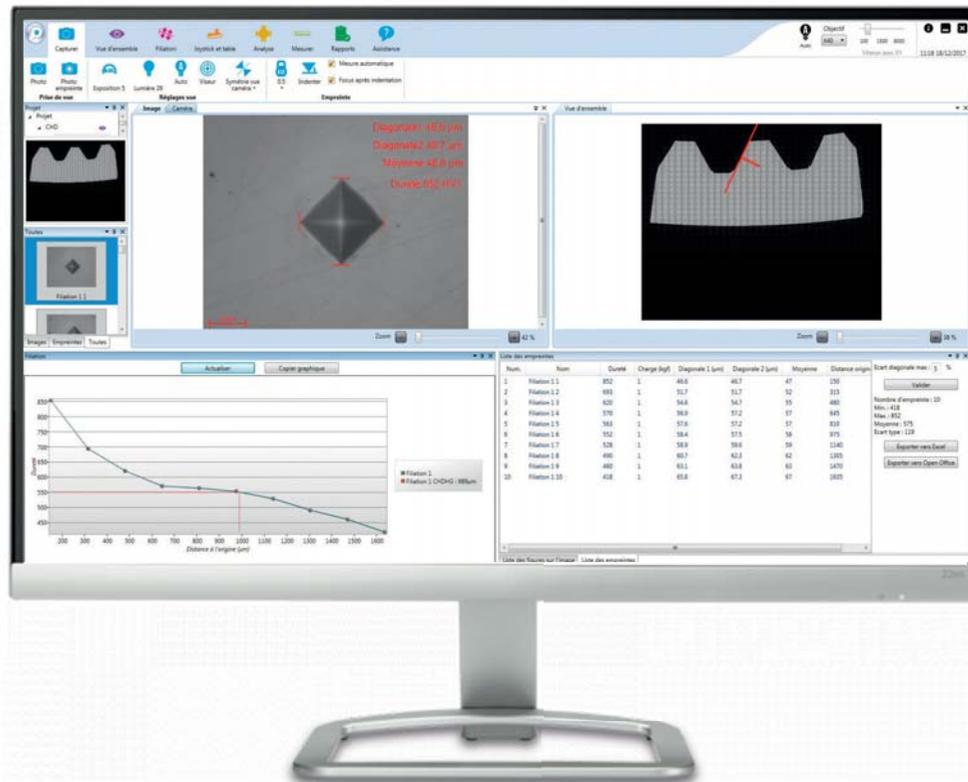
THE XY AUTOMATIC DISPLACEMENT SERVING YOUR PATTERNS

Developed in an effort to optimize efficiency and to free the user from tedious operations and increase productivity, the Semi-Auto Pack incorporates a motorized stage, driven by joystick.

Its XY automatic displacement accuracy offers real time saving, repeatability and guarantees consistency in the interpretation of the results. PRESI Touch pattern storage facilitates the operator's work.

The software allows pattern creation in no time and instant editing of a hardness profile. Easy and automatic measurements, ideal for serial checks.

- 👍 COMPLETE, RELIABLE AND POWERFUL
- 👁️ INTUITIVE NAVIGATION
- 🌟 VERY HIGH QUALITY IMAGE
- 🕒 TIME SAVING



FUNCTIONALITIES

LANGUAGE

Software available in 3 languages: English + French + German

INDENT TYPE

Single pattern
Semi-automatic pattern

EQUIPMENT

Multilingual software for measurement and image analysis

USB2 digital camera, 1,3M pixels: the image retransmitted on the computer screen is accurate and fluid

Automatic or manual brightness: the software offers an optimal brightness setting on the sample to be analyzed

Control box, motorized stage and joystick: a set of peripherals allowing fast and precise movements on the surfaces to be analyzed

FEATURES

Manual or automatic measurement: the operator can choose to let the PRESI Touch software automatically analyze indents or manually manage the control

Pattern settings: graphical and dynamic menu, allowing real time monitoring of the programming

Hardness tester / PC communication: the operator can control and interact directly with the hardness tester via the software

Overview: possibility to photograph all or part of the sample to be analyzed and to directly place the patterns in the right places

Deformed indent alert: a colored line appears in the result table when $d1 = d2 \pm x\%$ (adjustable tolerance)

Difference of load alert: in case of a difference between the programmed load via the software and the manually defined load by the operator, an alert pops-up on screen

Analysis reports: numbers, graphs and statistics can be exported in one click in Word, Excel or PDF formats

Image analysis: automatic or manual indent analysis on etched or non-etched samples

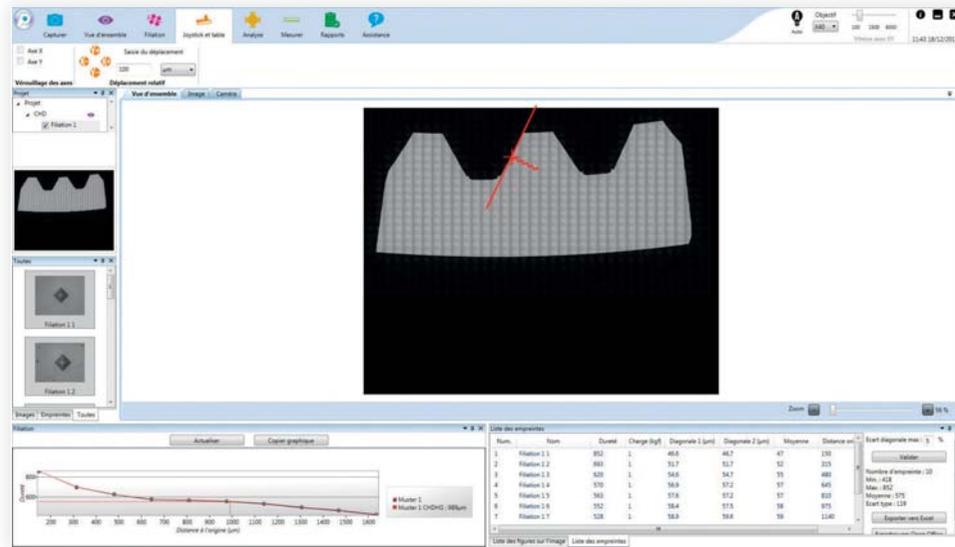
Single indents, regular or irregular patterns: in order to meet numerous needs, the software allows the execution of isolated points, the programming, the backup and the loading of a pattern or of a set of patterns

COMPATIBILITY

The PRESI Touch Semi-auto software is compatible with all our Microtech, Macrotech VX7 and VX7S hardness testers

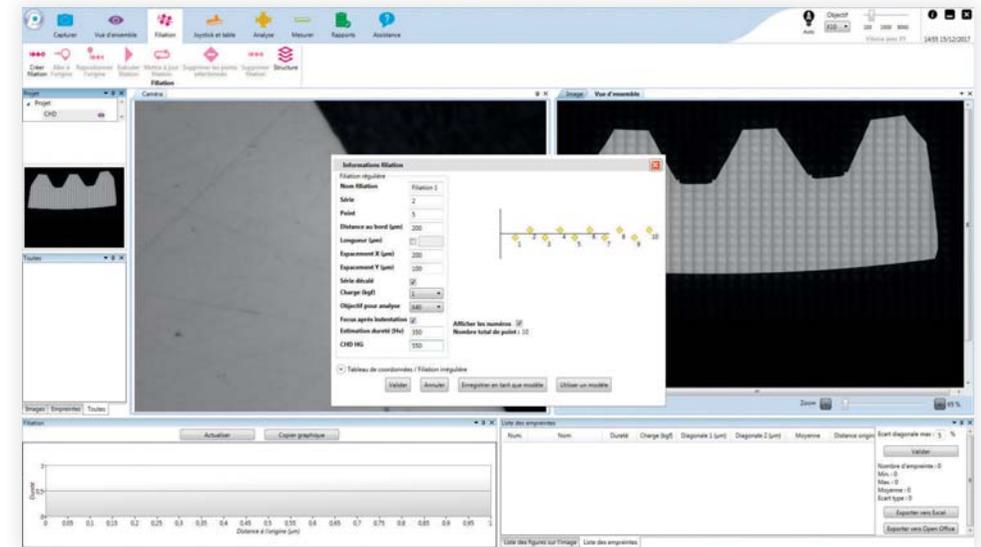
OVERVIEW

The motorized stage makes it possible to reconstruct, by photos, the sample to be analyzed.



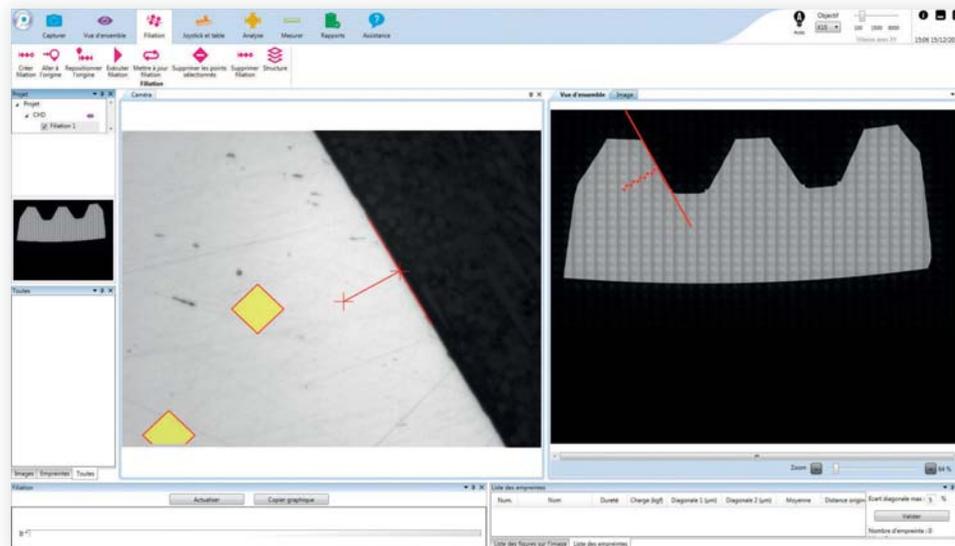
PROGRAMMATION

A graphic and dynamic assistant allows pattern visualisation during its programming. It is possible to place the pattern directly on the overview.



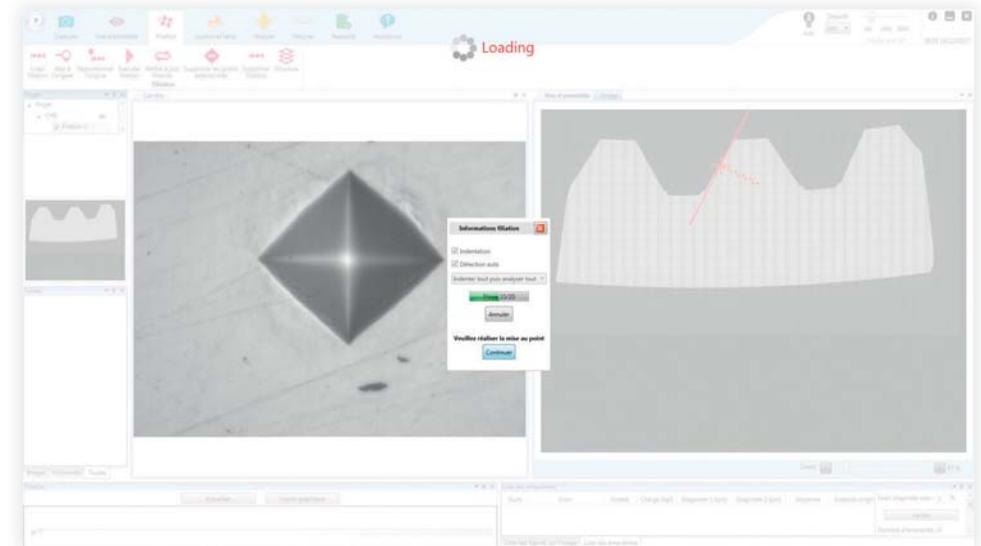
VIRTUAL PATTERN

Once the pattern is programmed, it virtually appears on the camera view. It is possible to visualize the location of the different indents, as well as their estimated size.



MEASURING CYCLE (AUTOMATIC OR MANUAL)

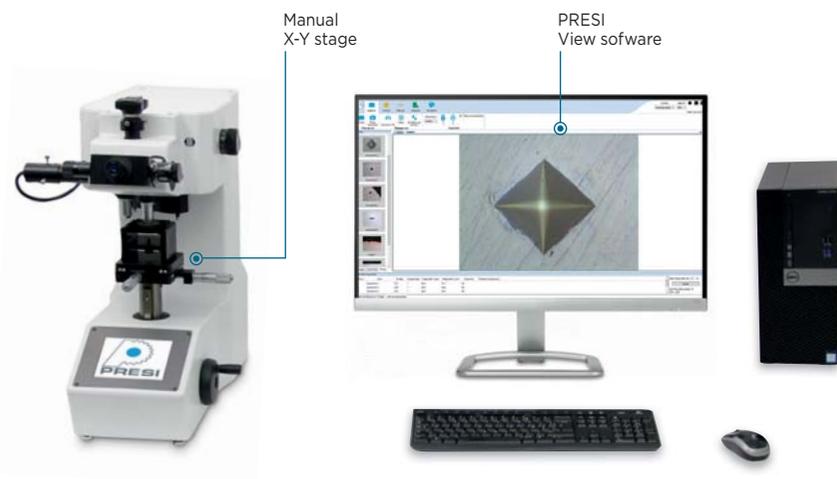
A pop-up window asks the operator to check the focus of the indent, before measurement.



PACKS

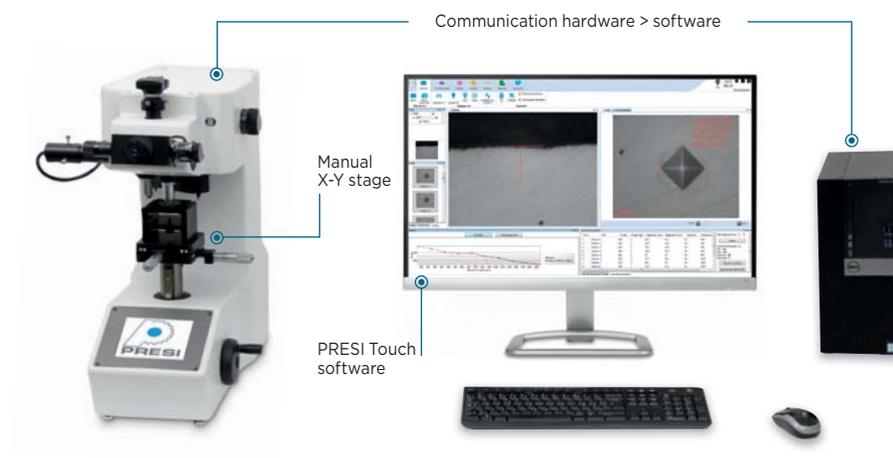
PRESI VIEW HARDNESS

MICROTECH

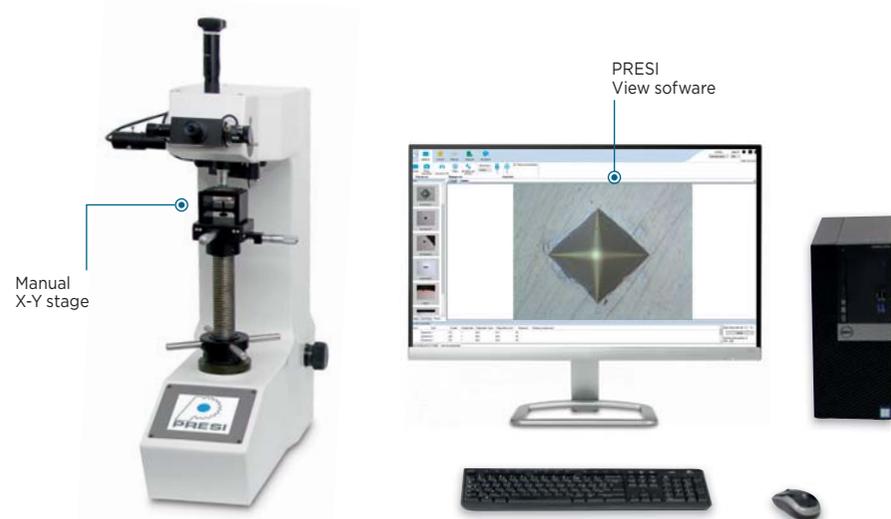


PRESI TOUCH MANUAL

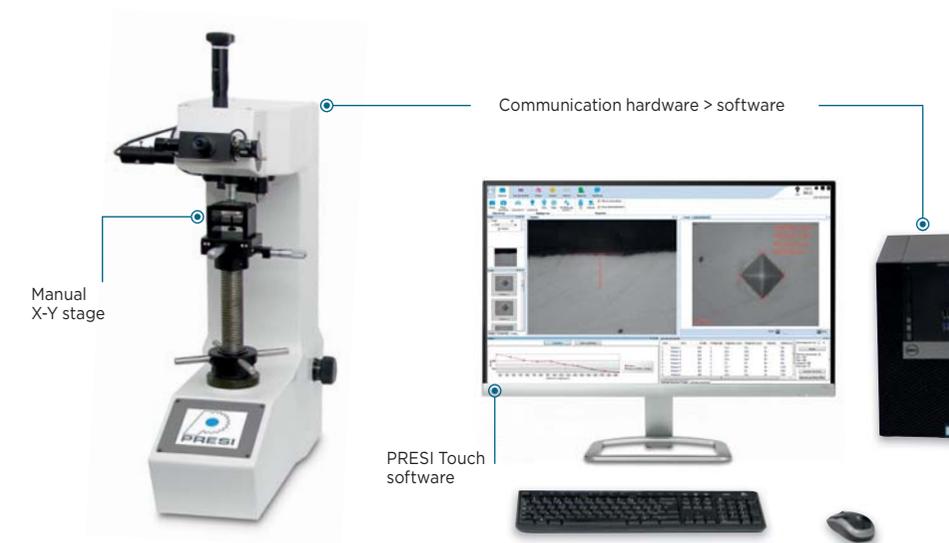
MICROTECH



MACROTECH



MACROTECH



PRESI TOUCH SEMI-AUTO

MICROTECH



MACROTECH

