

CUTTING



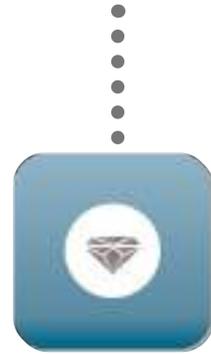
MOUNTING



POLISHING



MICROSCOPY AND HARDNESS



OPTICAL QUALITY, RELIABILITY, ROBUSTNESS AND PRECISION :
HZ50-4 HARDNESS TESTER BY PRESI



A STRONG WORLDWIDE PRESENCE THROUGH SUBSIDIARIES AND MORE THAN 35 DISTRIBUTORS





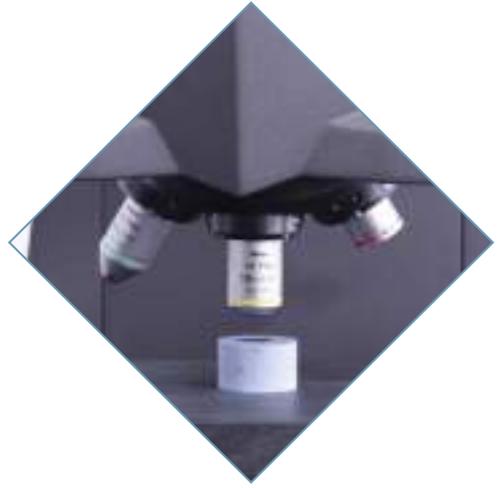
2 INDENTERS

Vickers test
Knoop test



1 TOUCH SENSOR

Automatic detection of samples
without marking the surface



4 LENS

Magnification :
from 200x to 2000x

LARGE WORK SPACE

Stage : 420x210 mm
X axis travel : 200 mm
Y axis travel : 180 mm
Z axis travel : 250 mm



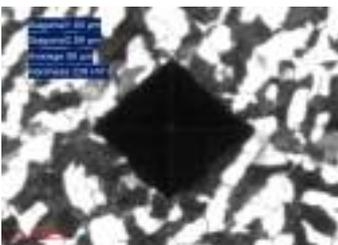
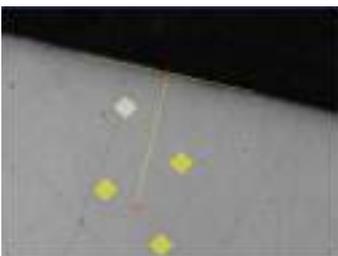
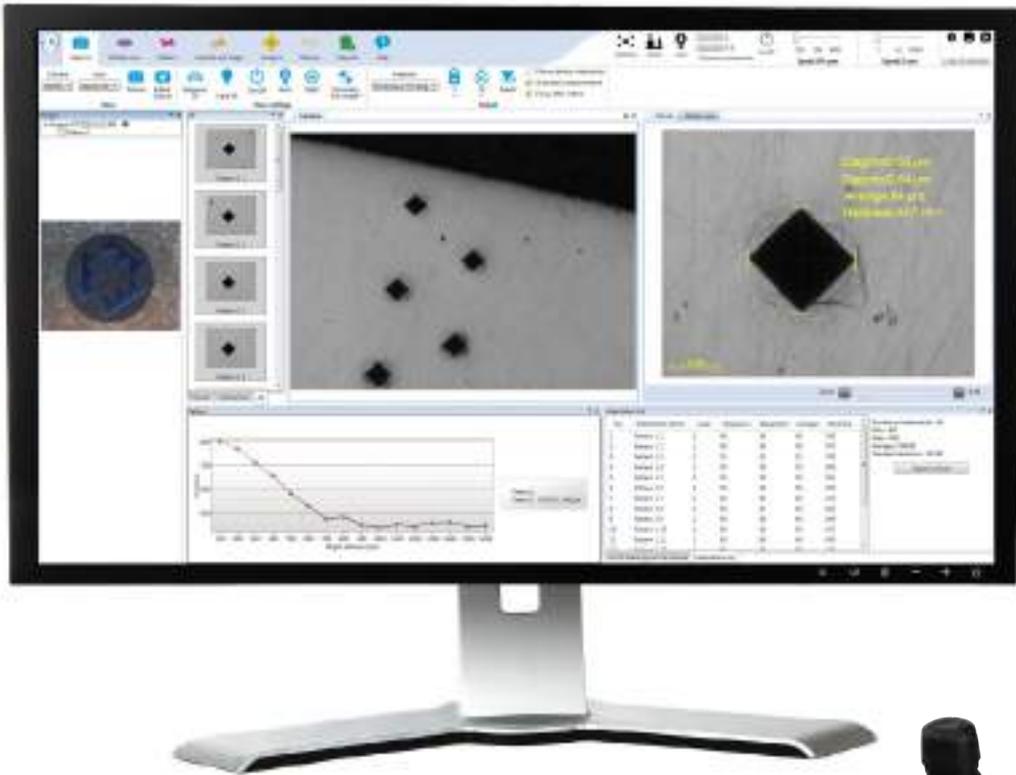
Fully automatic and noiseless, the **PRESI hardness tester is equipped with two load cells, allowing it to apply loads from 10g to 50 kg.**

Very rigid, thanks to the chassis design, the PRESI hardness tester ensures perfect application of the load. In order to facilitate the pattern placement, the tester is **equipped with two cameras to produce macroscopic and microscopic views.**

The motorized stage accepts samples up to 150 kg. Designed in marble, it gives it a very good flatness and huge longevity. The working area is identified on the marble.

Ergonomic, the PRESI hardness tester **is driven by a joystick, with quick access buttons.**

USE



INTUITIVE

The PRESI TOUCH software is easy to use thanks to its icons. It has many features such as automatic detection of samples and automatic or manual measurement of indents. The interface is fully customizable.

FEATURES

- Automatic detection of samples without marking the surface
- Autofocus
- Automatic or manual measurement of indents (on etched sample or not)
- Single indent, regular or irregular patterns, mapping
- Multi-sample

DATA

- Excel or Open Office Export
- Numerical and graphical results
- Statistics
- Determination of case depth

CHARACTERISTICS

2 LOAD CELLS	
Test load range	From 10g to 50kg
TURRET	
2 Indenters	1 Vickers / 1 Knoop
1 Touch sensor	✓
4 Lens	Magnification from 200x to 2000x
Light	LED
2 CAMERAS	
Microscopic view	Black and white
Macroscopic view	Color
Z AXIS	
Z Axis travel	250 mm with stage
Z Axis feeding accuracy	0,05 μ m
STAGE	
Marble stage dimensions	420x210 mm
X axis travel	200 mm
Y axis travel	180 mm
Stage feeding accuracy	1 μ m



ACCESSORIES

- Sample holder for non mounted sample
- Self leveling vice for single mounted samples
- Self leveling vice for multiple mounted samples
- Test blocs
- Lens
- Indenters

OTHER PRESI EQUIPEMENT

CUTTING



Mecatome ST310

MOUNTING



Poly'Vac

POLISHING



Mecattech 334

HARDNESS TESTING



PRESI View

CONSUMABLES



Resins



FIND OUT MORE AT

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