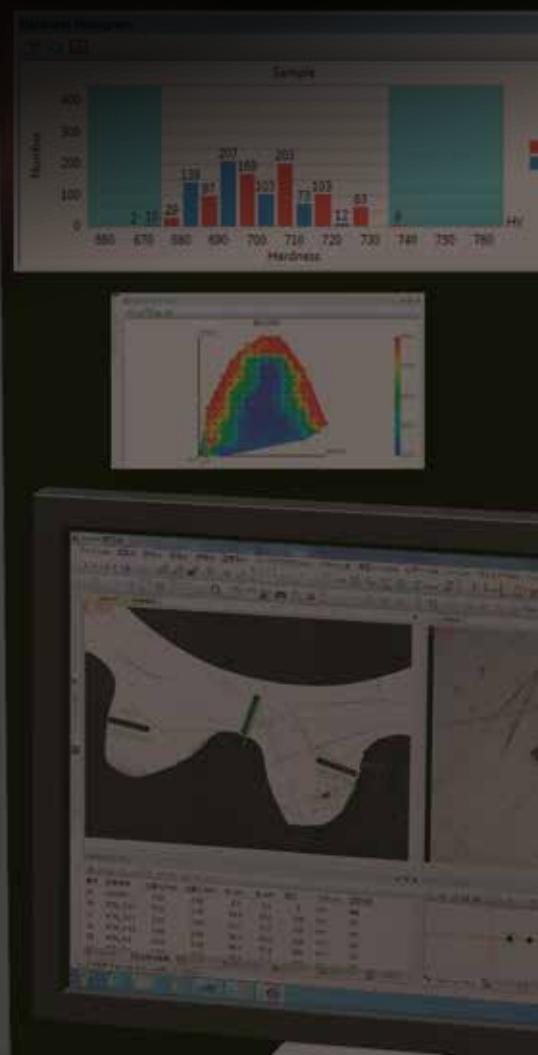




Mitutoyo Corporation
80th Anniversary
Since 1934

HV-100 Series

Vickers Hardness Testing Machine – basic model surpassing the imagination and an advanced model bordering on the ideal.



TEST EQUIPMENT AND SEISMOMETERS





HV-110/120 System A

Highly evolved basic model

- Equipped with a high-performance motorized test force switching function and motorized turret mounts. Operates as smoothly as electric models.
- List function makes it easy to perform multi-point and average hardness evaluations, which required effort with conventional manual models. This enables consistency of test results.
- Motorized test force switching and motorized turret mounts are easily controlled via a color touch screen control panel.



HV-110/120 System B,C,D

Advanced model promising additional productivity improvements

- Built-in AVPAK dedicated image analysis software enabling automatic indentation, reading achieves, excellent automatic edge detection capability and completely eliminates reading variations and visual error.
- Model with power stage enabling automatic continuous testing is also available. This allows extended multi-point testing and multiple workpiece analysis to be carried out automatically with simple operation.
- Configuring a fully automatic system dramatically shortens the total cycle time for hardness testing, using AVPAK-20 for batch control of the testing > analysis > report creation process.

Specifications

Model	HV-110	HV-120
Test force N (kgf)	9.807, 19.61, 29.42, 49.03, 98.07, 196.1, 294.2, 490.3 (1), (2), (3), (5), (10), (20), (30), (50)	2.942, 4.903, 9.807, 24.51, 49.03, 98.07, 196.1, 294.2 (0.3), (0.5), (1), (2.5), (5), (10), (20), (30)
Test force switching method	Motorized	
Supported tests	HV, HK, HB, Kc	
Objective lens lineup	2X, 5X, 10X (standard), 20X, 50X, 100X	
Illumination Unit	LED light	
No. of turret mounts / switching method	3 / Automatic (manual also possible)	
Max. specimen dimensions	Height: 210mm; depth: 160mm	
Control unit	System A : Color LCD touch screen panel / System B,C,D : AVPAK-20 Vers. 2	
Hardness conversion functions	8 types, including ISO, ASTM, SAE and BS	

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Coordinate Measuring Machines

Vision Measuring Systems

Form Measurement

Optical Measuring

Sensor Systems

Test Equipment
and Seismometers

Digital Scale and DRO Systems

Small Tool Instruments
and Data Management