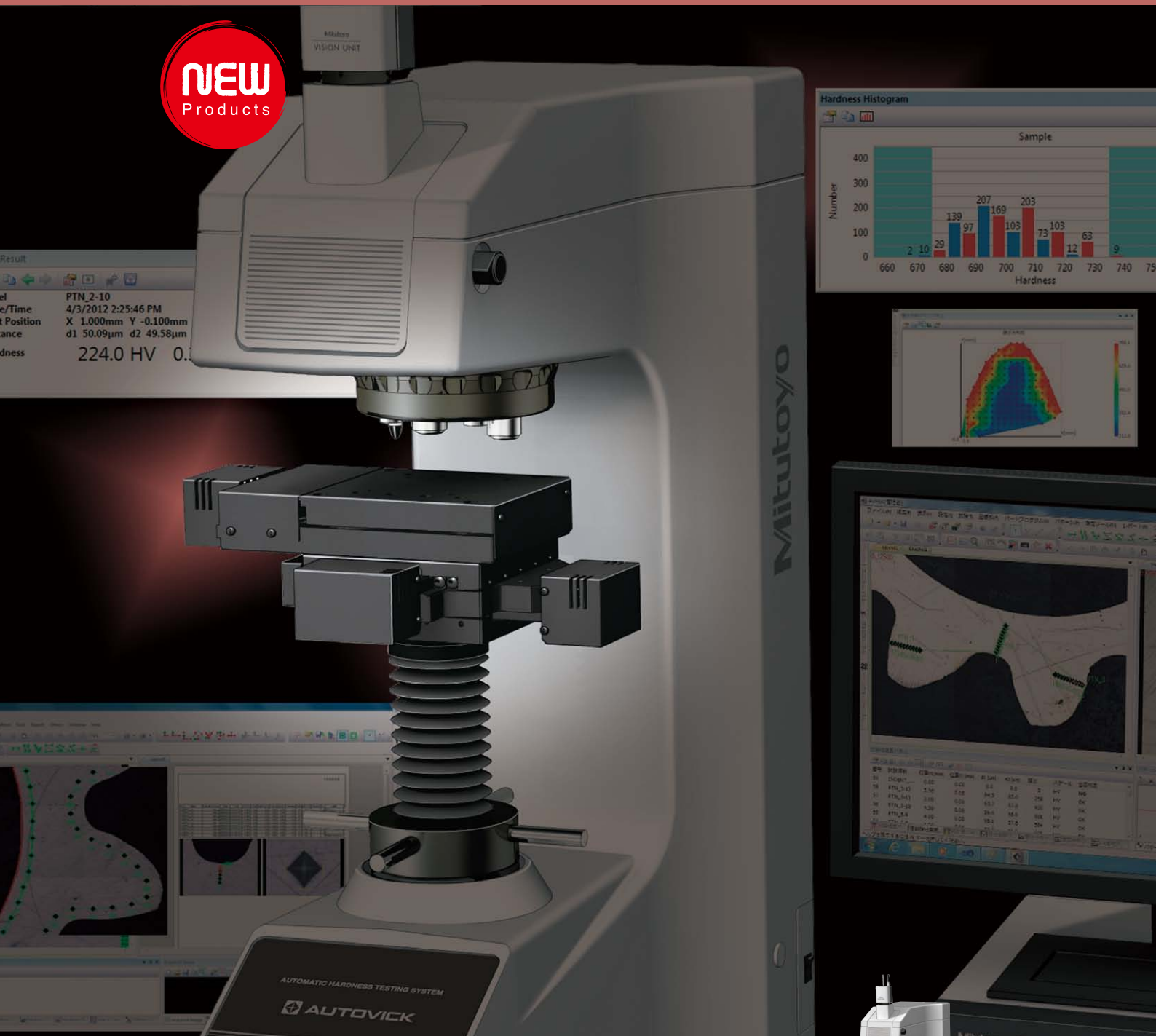


Vickers Hardness Testing Machine HV-100 Series



*A basic model surpassing the imagination and
an advanced model bordering on the ideal*

Test Equipment and Seismometers



Catalog No. E17007

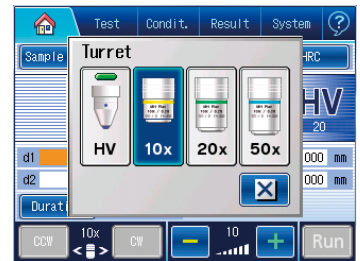
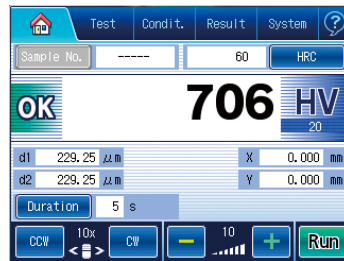
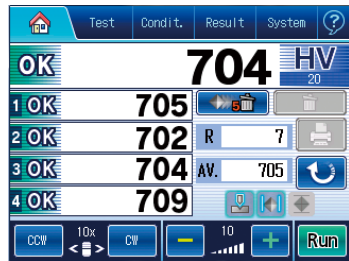
Mitutoyo



Highly evolved basic model HV-110/120 System A



- 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.



Advanced model promising additional productivity improvements HV-110/120 System B,C,D

- 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 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 Ver2	
Hardness conversion functions		8 types, including ISO, ASTM, SAE and BS	

*Systems B, C and D require AVPAK Ver2, which is available for use only in Japan.

Please inquire with your nearest Mitutoyo sales representative before purchasing or installing any of these systems.

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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

Note: All information regarding our products, and in particular the illustrations, drawings, dimensional and performance data contained in this pamphlet, as well as other technical data are to be regarded as approximate average values. We therefore reserve the right to make changes to the corresponding designs, dimensions and weights. The stated standards, similar technical regulations, descriptions and illustrations of the products were valid at the time of printing. Only quotations submitted by ourselves may be regarded as definitive.

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