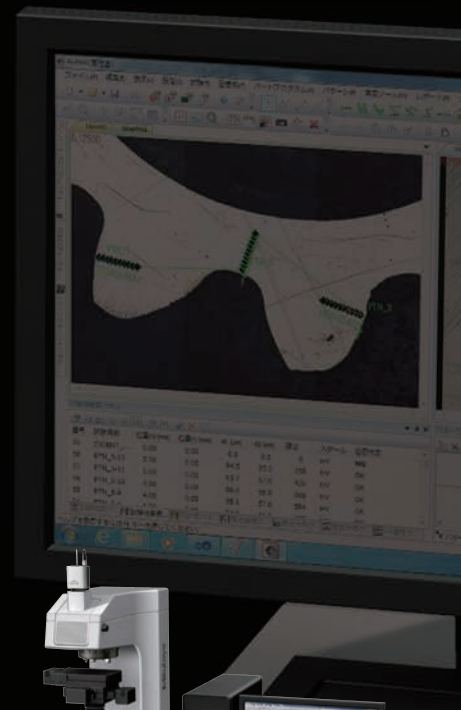
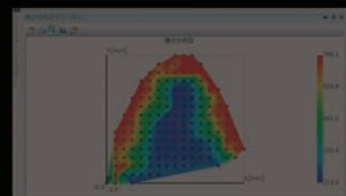
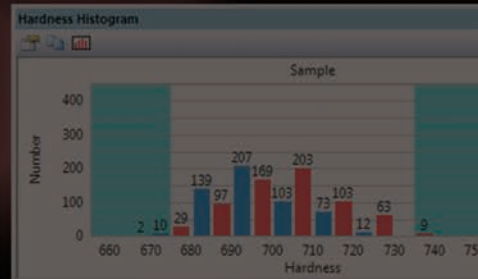


Vickers Hardness Testing Machine HV-100 Series



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

Test Equipment and Seismometers



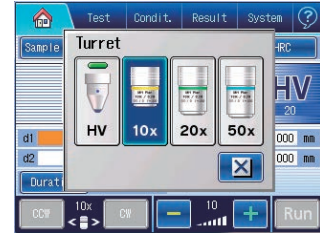
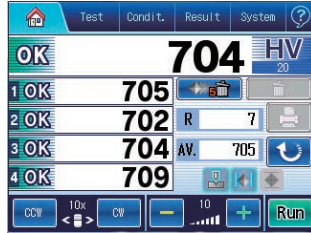
Bulletin No. 2159

Mitutoyo

Highly evolved basic model HV-110/120 System A



- Equipped with a high-performance motorized test force selection function and motorized turret mounts. Operates as smoothly as electric models but with the certainty of traditional test forces.
- A List function makes it easy to perform multi-point and average hardness evaluations, which required extra effort or external data processors with conventional manual models. This convenient screen enables consistency of test results.
- Motorized test force selection and motorized turret position are easily controlled via a color touch screen control panel.



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

- System B, C and D testers feature AVPAK dedicated image analysis software enabling automatic indentation reading with excellent automatic edge detection capability and completely eliminates reading variations and visual error. A simple yet powerful report generator allows easy data customization.
- System C and D Series testers add power X-Y stage enabling automatic continuous testing. This allows extended multi-point testing, complicated test patterns and multiple workpiece analysis to be carried out automatically.
- The System D testers adds automatic focusing and creates a fully automatic system that dramatically shortens the total cycle time for hardness testing from the analysis to the 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, KIC	
Objective lens lineup		2X, 5X, 10X (standard), 20X, 50X, 100X	
Illumination Unit		LED light	
Turret lens mount / Rotation		Up to 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: By PC	
Hardness conversion functions		8 types, including ISO, ASTM, SAE and BS	

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