

HM-200 SERIES

Micro Vickers Hardness Testing Machine –
Complete line up - from basic to software
controlled, fully automatic model.



TEST EQUIPMENT AND SEISMOMETERS





HM-210/-220 System A

Highly evolved basic model

- Equipped with a high-performance electromagnetic test force generation 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.
- Transfer of results and statistics data by USB stick



HM-210/-220 System B,C,D

Advanced model promising additional productivity improvements

- Built-in AVPAK-20 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	HM-210	HM-220
Test force N (kgf)	10g - 1000g	0,05g - 2000g
Test force generation	Electromagnetic	
Supported tests	HV, HK, Kc	
Objective lens lineup	2X, 5X, 10X, 20X, 50X(standard), 100X	
Illumination Unit	LED light	
No. of turret mounts / switching method	up to 4 Objective lenses / 2 Indenters / Automatic (manual also possible)	
Max. specimen dimensions	Height: 72mm (HM-200D) to 133mm (HM-200A)	
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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Test Equipment
and Seismometers

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