

## Vickers Hardness Testing Machines **HV-100 Series**

Complete line up from basic to software controlled,  
fully automatic model.

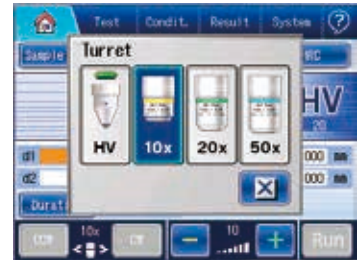
TEST EQUIPMENT AND  
SEISMOMETERS



## 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: 170mm	
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.

# Mitutoyo

## Mitutoyo Asia Pacific Pte. Ltd.

Company Reg No. 197800892N  
24 Kallang Avenue, Mitutoyo Building, Singapore 339415  
Tel: (65) 6294 2211 Fax: (65) 6299 6666  
E-mail: [mapsg@mitutoyo.com.sg](mailto:mapsg@mitutoyo.com.sg)

[www.mitutoyo.com.sg](http://www.mitutoyo.com.sg) | [www.mitutoyo.com.my](http://www.mitutoyo.com.my)  
[www.mitutoyo.co.th](http://www.mitutoyo.co.th) | [www.mitutoyo.co.id](http://www.mitutoyo.co.id)  
[www.mitutoyo.com.vn](http://www.mitutoyo.com.vn) | [www.mitutoyo.com.ph](http://www.mitutoyo.com.ph)



### Mitutoyo (Malaysia) Sdn. Bhd.

Mah Sing Integrated Industrial Park,  
4, Jalan Utarid U5/14, Section U5,  
40150 Shah Alam, Selangor, Malaysia  
Tel: (60) 3-7845 9318  
Fax: (60) 3-7845 9346

E-mail: [mmsb@mitutoyo.com.my](mailto:mmsb@mitutoyo.com.my)

### Penang Branch

Tel: (60) 4-641 1998 Fax: (60) 4-641 2998

E-mail: [mmsbpen@mitutoyo.com.my](mailto:mmsbpen@mitutoyo.com.my)

### Johor Branch

Tel: (60) 7-352 1626 Fax: (60) 7-352 1628

E-mail: [mmsbjhr@mitutoyo.com.my](mailto:mmsbjhr@mitutoyo.com.my)

### Mitutoyo (Thailand) Co., Ltd.

76/3-5, Chaengwattana Road, Kwaeng  
Anusaowaree, Khet Bangkaen,  
Bangkok 10220, Thailand  
Tel: (66) 2-080 3500  
Fax: (66) 2-521 6136

E-mail: [office@mitutoyo.co.th](mailto:office@mitutoyo.co.th)

### Chonburi Branch

Tel: (66) 2-080 3563 Fax: (66) 3-834 5788

### Amata Nakorn Branch

Tel: (66) 2-080 3565 Fax: (66) 3-846 8978

### PT. Mitutoyo Indonesia

Jalan Sriwijaya No.26  
Desa cibatu  
Kec. Cikarang Selatan  
Kab. Bekasi 17530, Indonesia  
Tel: (62) 21-2962 8600  
Fax: (62) 21-2962 8604

E-mail: [ptmi@mitutoyo.co.id](mailto:ptmi@mitutoyo.co.id)

### Mitutoyo Vietnam Co., Ltd.

No. 07-TT4, My Dinh - Me Tri Urban Zone,  
My Dinh 1 Ward, Nam Tu Liem District,  
Hanoi, Vietnam  
Tel: (84) 4-3768 8963  
Fax: (84) 4-3768 8960

E-mail: [mvc-hn@mitutoyo.com.vn](mailto:mvc-hn@mitutoyo.com.vn)

### Ho Chi Minh City Branch

Tel: (84) 8-3840 3489

Fax: (84) 8-3840 3498

E-mail: [mvc-hcmc@mitutoyo.com.vn](mailto:mvc-hcmc@mitutoyo.com.vn)

### Mitutoyo Philippines, Inc.

Unit 2103, GMV Building 2,  
107 North Main Avenue,  
Laguna Technopark, Biñan,  
Laguna 4024, Philippines  
Tel: (63) 49-544 0272  
Fax: (63) 49-544 0272

E-mail: [mpi@mitutoyo.com.ph](mailto:mpi@mitutoyo.com.ph)