



Mitutoyo

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

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

TEST EQUIPMENT AND
SEISMOMETERS

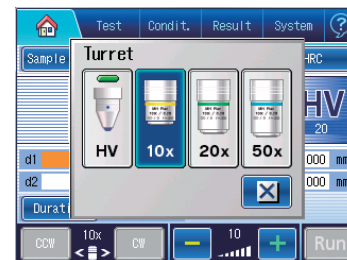
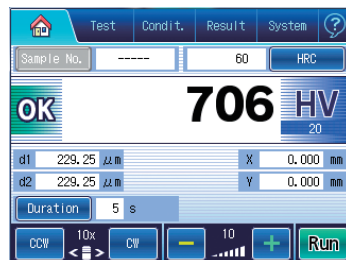
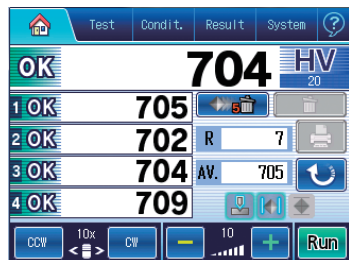


Highly evolved basic model

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.

Note: Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.

MITUTOYO and MICAT are either registered trademarks or trademarks of Mitutoyo Corp. in Japan and/or other countries/regions.

Other product, company and brand names mentioned herein are for identification purposes only and may be the trademarks of their respective holders.

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



www.mitutoyo.com.sg | www.mitutoyo.com.my
www.mitutoyo.co.th | www.mitutoyo.co.id
www.mitutoyo.com.vn | 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

Penang Branch

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

Johor Branch

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

Mitutoyo (Thailand) Co., Ltd.

76/3-5, Chaengwattana Road, Kwaeng
Anusaowaree, Khet Bangkaen,
Bangkok 10220, Thailand

Tel: (66) 2080 3500

Fax: (66) 2521 6136

E-mail: office@mitutoyo.co.th

Chonburi Branch

Tel: (66) 2080 3563 Fax: (66) 3834 5788

ACC Branch

Tel: (66) 2080 3565

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

Mitutoyo Vietnam Co., Ltd.

1st & 2nd Floor, MHD1 Building,
No. 60 Hoang Quoc Viet Road,
Nghia Do Ward, Cau Giay District,
Hanoi, Vietnam

Tel: (84) 24-3768 8963

Fax: (84) 24-3768 8960

E-mail: mvc@mitutoyo.com.vn

Ho Chi Minh City Branch

Tel: (84) 28-3840 3489

Fax: (84) 28-3840 3498

E-mail: mvc@mitutoyo.com.vn

Mitutoyo Philippines, Inc.

Unit 1B & 2B LTI,
Administration Building 1,
Annex 1, 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

MAP•1365(1)