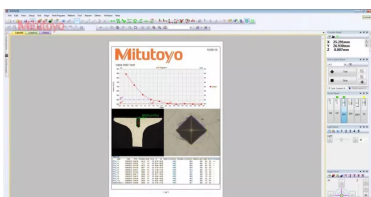
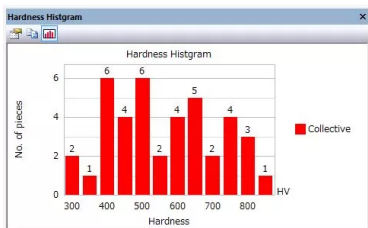
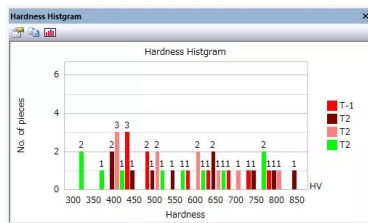
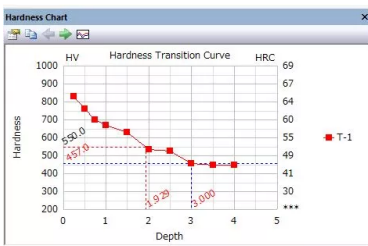
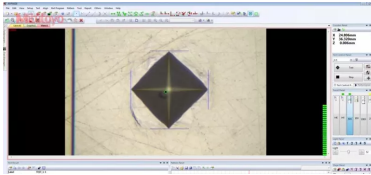




HV-120 B-Type set

Item number: 810-448-11-BSET

Images



Specification

Applicable standards:

Applicable standards Vickers : ISO 6507-2, ASTM E92, ASTM E384, JIS B 7725

Applicable standards Knoop : ISO 4545-2, ASTM E92, ASTM E384, JIS B 7734

Applicable standards Brinell : EN ISO 6506, ASTM E10, JIS B7724

Applicable standards KC fracture toughness : based on IF method (JIS R1697)

Applicable test methods:

Applicable Vickers scales : HV0.3; HV0.5; HV1; HV2.5; HV3; HV5; HV10; HV20; HV30

Applicable Knoop scales : HK0.3; HK0.5; HK1

Applicable Brinell scales : HBW 1/30; HBW 1/10; HBW 1/5; HBW 2.5/31.25**; HBW 1/2,5; HBW 2.5/15.625**; HBW 1/1; HBW 2.5/6.25**
additional accessories required

Machine Control:

Control method : AVPAK software control

Software functions AVPAK : Turret and stage control, contrast level indicator for easy focus, autofocus (D-Types), automatic illumination, auto reading function, ISO 18203 conform hardening depth evaluation presets, CHD, NHD, SHD; Jominy Test; guide Function for single test/pattern test/standard test, curved surface compensation, hardness conversion, overview image creation (C- and -D-Types), part programming, incl. edge detection, coordinate alignment, pattern creation and application, report creation, external data output, StatusMonitor compatibility

Language support : Japanese, English, German, French, Italian, Spanish, Korean, Simplified Chinese, Traditional Chinese, Turkish, Portuguese, Polish, Czech, Hungarian, Dutch, Russian, Thai

Resolution : 0,01 HV units (settable)

Data output:

MeasurLink capability : yes

Data output : PDF, Excel

Test force:

Test Force Range : 9.807-490N (1-50kgf)

Test force generation : Dead weight system

Test force switching :	AVPAK software
Duration time :	5-999s. 1 s. increments
Indenter approach speed :	selectable 60 µm/s/150µm/s

Optical system:

Optical system :	Infinitely corrected
Standard objective lenses :	MH Plan 10x and 20x
Light source illumination unit :	White LED
Aperture diaphragm :	variable
Measuring microscope :	optional
Focus method :	manual

XYZ axis:

XY stage :	optional
Z-axis :	manual elevation unit
Autofocus unit :	upgradable together with motorized XY

Turret:

Turret drive method :	Motor/Manual
Turret control method :	Touch panel
Number of objective lens ports :	3 (2 equipped)
Number of indenter ports :	1 (equipped)

Functional dimensions:

Stage/Anvil adaption :	Ø19 mm
Max. specimen height :	210 mm
Throat depth :	170 mm
Maximum specimen weight :	20 kg

Main unit data:

External dimensions WxDxH :	306x627x874 mm
Mass main unit :	57.1 kg
Power supply :	AC100 -240V Auto-selection
Power consumption W :	22
Operation temperature °C :	5-40
Relative humidity RH :	80% or lower without condensation
Vibration Frequency :	10Hz or lower

Standard accessories:

Diamond indenter :	included
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Reference material :	700 HV10 Ø64mm x 15mm
Flat anvil :	810-039 outside diameter Ø64mm
Water level :	11AAB941
Inspection certificate :	included
Power cord :	not included