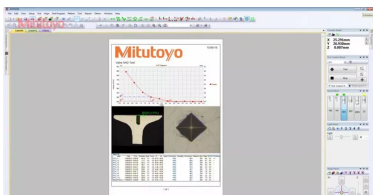
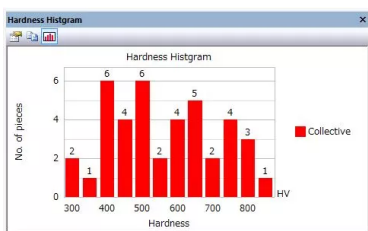
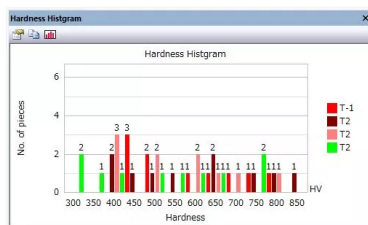
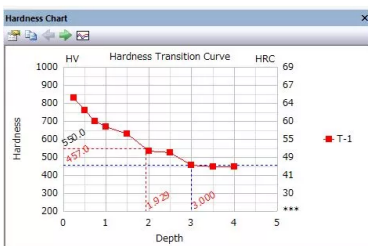
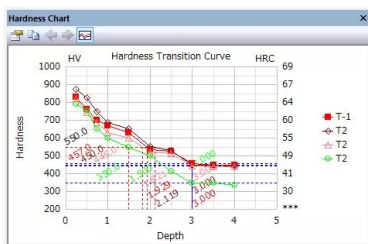
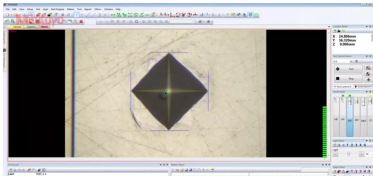




HV-120 D-Type set

Item number: 810-448-11-DSET

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
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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 2x, 10x and 20x

Light source illumination unit : White LED

Aperture diaphragm : variable

Measuring microscope : optional

Focus method : automatic

XYZ axis:

XY stage : 810-462-10

Z-axis : manual elevation unit

Autofocus unit : 810-465

Range XY : 100x100 mm

Range Z-axis : 1.4 mm

Turret:

Turret drive method : Motor/Manual

Turret control method : Touch panel

Number of objective lens ports : 3 (3 equipped)

Number of indenter ports : 1 (equipped)

Functional dimensions:

Stage/Anvil adaption : Ø19 mm

Max. specimen height : 132 mm

Throat depth : 170 mm

Maximum specimen weight : 3 kg

Main unit data:

External dimensions WxDxH : 382x627x874 mm

Mass main unit : 71.9 kg

Power supply : AC100 -240V Auto-selection

Power consumption W :	89
Operation temperature °C :	5-40
Relative humidity RH :	80% or lower without condensation
Vibration Frequency :	10Hz or lower

Standard accessories:

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