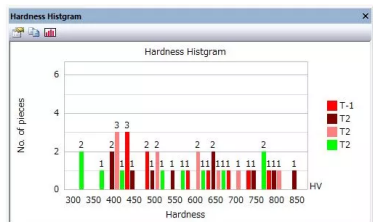
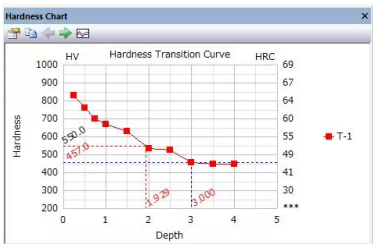
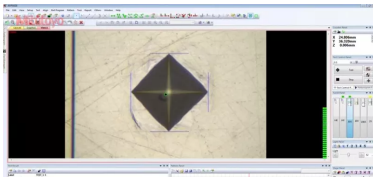


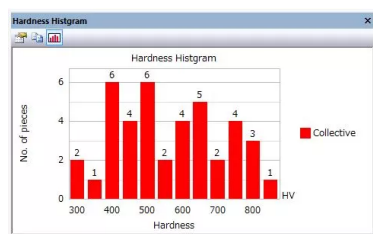


HM-210 D-type set, double indentershaft

Item number: 810-404-11-DSET2

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

Applicable test methods:

Applicable Vickers scales : HV0,01; HV0,02; HV0,03; HV0,05; HV0,1; HV0,2; HV0,3; HV0,5; HV1

Applicable Knoop scales : HK0,01; HK0,02; HK0,03; HK0,05; HK0,1; HK0,2; HK0,3; HK0,5; HK1

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 : 98.07-9807mN (0.01-1kgf)

Test force generation : Electromagnetic (Voice coil)

Test force switching : AVPAK

Duration time : 5-999s. 1 s. increments

Indenter approach speed : 60 µm

Optical system:

Optical system : Infinitely corrected

Standard objective lenses : MH Plan 2x, 10x and 50x

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 : AVPAK

Number of objective lens ports : 4 (3 equipped)

Number of indenter ports : 2 (2 equipped)

Functional dimensions:

Stage/Anvil adaption : Ø19 mm

Max. specimen height : 72 mm

Throat depth : 160 mm

Maximum specimen weight :	3 kg
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Main unit data:

External dimensions WxDxH :	383x586x683 mm
Mass main unit :	54 kg
Power supply :	AC100 -240V Auto-selection
Power consumption W :	97
Operation temperature °C :	5-40
Relative humidity RH :	80% or lower without condensation
Vibration Frequency :	5Hz or lower

Standard accessories:

Diamond indenter :	included
Reference material :	700 HV0,3 Ø25mm x 6mm
Water level :	mounted on main unit
Inspection certificate :	included
Power cord :	not included
