

OPTIONAL ACCESSORIES

CODE NO.	ITEM		DESCRIPTION
V-014	KNOOP INDENTER ⑤		Rhombic diamond indenter for Knoop hardness
V-041	HARDNESS CALCULATION TABLE	FOR HV	Standard for FV-100 Series and optional for FV-300 & FV-800 Series
V-042		FOR HK	Optional for all models
V-015	OBJECT LENS ③		X 100
V-061			X 50
V-016			X 40
V-017			X 20 (Standard for Type B)
V-019			X 5
V-062	EYEPIECE ④		X 15
V-022	COLOR FILTER ②③		φ20 mm ; Yellow or Blue (Standard : Green)
V-023	COLOR TEMPERATURE CONVERSION FILTER		For color TV measuring device
V-024	NUMERICAL APERTURE		φ1~6 mm each selectable (6 kinds)
V-025	FIELD APERTURE		φ1~7 mm each selectable (7 kinds)
V-055	CAMERA MOUNTING TUBE ①		For adapting photographic camera & CCD camera
V-012	DIGITAL CAMERA ATTACHMENT ②		C MOUNT ATTACHMENT (Digital camera is not included)
V-008	TV MEASURING DEVICE	Black & White	B & W CCD camera + 8.4" LCD
V-009		Color	Color CCD camera + 14" CRT Monitor
V-003	AUTOMATIC READING SYSTEM (AR90) ②①		After focusing, low diagonal lengths of indent will be measured and displayed automatically in a moment. Measurement time : Approx. 0.3 sec / 1 indent Components : CCD camera (B & W) + PC + Printer + AR Software
V-002 / V-002A	AUTOMATIC X-Y STAGE & CONTROL UNIT (AS90) ②②		Automatic : Max. movement : Standard : 50 mm / Option : 100 mm X-Y stage Min. micro inching : 1 μm Dimensions : Standard : 110 x 110 mm / Option : 160 x 160 mm Components : Auto-stage + Motor drive unit + PC + Printer + AS Software
V-000 / V-000A	SEMI-AUTOMATIC MEASURING SYSTEM WITH AUTO-STAGE (ASV90) ②③		The combined system of AS and CCD camera. Operator can measure the indentation manually on the CRT by using two measuring lines. Components : Auto-stage + Motor drive unit + CCD camera (B & W) + PC + Printer + ASV Software
V-001 / V-001A	AUTOMATIC MEASURING SYSTEM WITH AUTO-STAGE (ARS900) ②④		The combined system of AR and AS Components : Auto-stage + Motor drive unit + CCD camera (B & W) + PC + Printer + ARS Software
V-038	ROUND TABLE ⑨		φ200 mm
V-026	MANUAL X-Y STAGE ⑩		Max. movement : 50 x 50 mm Min. micro inching : 1 / 100 mm Dimensions : 110 x 110 mm
V-027	PRECISION VISE ⑪		Max. opening : 50 mm
V-028			Max. opening : 100 mm
V-029	ROTARY TABLE ⑬		Graduation of rotary angle : 5 degree Table diameter : φ128 mm
V-030	THIN SPECIMEN MEASURING DEVICE ⑭		Specimen thickness : 5 mm max.
V-031	FINE SPECIMEN MEASURING DEVICE	VERTICAL TYPE ⑮	Specimen diameter : φ5 mm max. (For measuring the cross section)
V-032		HORIZONTAL TYPE ⑯	Specimen diameter : φ5 mm max. (For measuring the cylindrical surface)
V-033	SPECIMEN INCLINING DEVICE ⑰		Specimen height : 5 ~ 20 mm (For mounted specimen)
V-034	UNIVERSAL INCLINING VISE ⑱		Inclining device + Vise Max. opening : 45 mm
M-035	ANVIL	V SHAPE (Large) ⑦	Specimen diameter : φ13 ~ φ40 mm (For measuring the cylindrical surface)
M-036		V SHAPE (Small) ⑧	Specimen diameter : φ2 ~ φ6 mm (For measuring the cylindrical surface)
V-004	DIGITAL PRINTER ⑳		RS232C type (For Hardness Tester)
			Bubble Jet type (For Automatic System)
V-006	LASER PRINTER ㉑		Any models on a market (For Automatic System)
V-007	VIDEO GRAPHIC PRINTER ㉒		By SONY or MITSUBISHI (For TV measuring System)
V-063~066	BRINELL HARDNESS TEST (For FV-800 Series)	TUNGSTEN CARBIDE BALL INDENTER ⑥	φ 1, 2.5, 5 mm
V-067		TEST WEIGHT	N 12.26 24.52 39.23 61.29 76.61 153.2 245.2 kgf 1.25 2.5 4 6.25 7.8125 15.625 25
V-078			N 306.5 392.3 612.9 980.7 1226 kgf 31.25 40 62.5 100 125
V-058	MECHANICAL PARTS FOR ADDITIONAL OBJECT LENS		Mechanical parts on turret for additional second, third and fourth object lens. Additional lenses should be specified when placing order. Possible to install additional lenses only in our factory. (Type B: Second lens is standard)
M-079	DUAL INDENTER TURRET (For FV-800 Series) ㉓		Specially designed turret could be available for adapting two indenters (HV+HK) simultaneously. Impossible to change a Single Indenter Turret to Dual Indenter Turret at customer's site. Please indicate when ordering.