WIKI JS

- Collision protection for indenter and for objective
- Automatic focus and measure for single or multiple indentations
- Precise, and reliable test even on not leveled or misaligned surface
- One button to perform surface contact and test multi sample cycle
- The most advanced Automatic Vickers hardness tester with auto-measurement and auto-focus
- Possibility to create several patterns in only one cycle for one sample or even for several samples
- Automatic table with 0.5 micron/step division
- Total control on all the hardness tester using a joy-stick
- Automatic horizontal turret until 6 memory positions
- 2 indenters: Vickers and Knoop
- It can install a Rockwell indenter for superficial Rockwell test
- Panoramic large view field for easy identification of test area

FORCE RANGE

Vickers/Knoop:	0.0098 - 0.0196 - 0.049 - 0.098 - 0.1471 - 0.1961 - 0.2452 - 0.4903 - 0.9807 - 1.961 - 2.942 - 4.903 - 9.807 - 19.61 - 29.42 - 49.03 - 98.07 - 196.1 - 294.2 - 490.3 - 980.7 N (0.001 - 0.002 - 0.005 - 0.01 - 0.015 - 0.02 - 0.025 - 0.05 - 0.1 - 0.2 - 0.3 - 0.5 - 1 - 2 - 3 - 5 - 10 - 20 - 30 - 50 - 100 kgf)
Brinell:	153.2 - 306.5 N (15.6 - 31.25 kgf)
Superficial Rockwell:	147.1 - 294.2 - 441.3N (15 - 30 - 45 kgf)

WIKI 100/200 JS FEASIBLE TESTS - (10 gf ÷ 10 kgf)

Vickers:	HV0.01 - HV0.015 - HV0.02 - HV0.025 - HV0.05 - HV0.1 - HV0.2 - HV0.3 - HV0.5 - HV1 - HV2 - HV3 - HV5 - HV10
Knoop (Optional):	HK0.01 - HK0.015 - HK0.02 - HK0.025 - HK0.05 - HK0.1 - HK0.2 - HK0.3 - HK0.5 - HK1 - HK2

WIKI 100/200 JS 3 FEASIBLE TESTS - (100 gf ÷ 30 kgf)

Vickers:	HV0.1 - HV0.2 - HV0.3 - HV0.5 - HV1 - HV2 - HV3 - HV5 - HV10 - HV20 - HV30
Knoop (Optional):	HK0.1 - HK0.2 - HK0.3 - HK0.5 - HK1 - HK2

OPTIONAL TESTS (Depending on the models)

Vickers / Knoop:	HV0.001 - HV0.002 - HV0.005 - HV30 - HV50 - HV100 / HK0.001 - HK0.002 - HK0.005
Superficial Rockwell (JS3):	HR15N - HR30N - HR45N - HR15T - HR30T - HR45T - HR15S - HR30S - HR45S - HR15W - HR30W - HR45W - HR15X - HR30X - HR45X - HR15Y - HR30Y - HR45Y
Brinell HBW / HBWT (JS3):	2.5/15,6 - 2.5/31.25

TECHNICAL DATA

Conformity Standards:	EN-ISO 6506 / EN-ISO 6507 / EN-ISO 6508 / EN-ISO 4545 / ASTM E10 / ASTM E08 / ASTM E103 / ASTM-E384 / ASTM-E92 / JIS
Load accuracy:	Better than 0.05 %
Readout Division:	0.1 HV / HK / HB - 0.01 HR
Height Capacity:	Motorized 240 mm / 9.4" (as optional 300 mm / 12" or 700 mm / 27.5")
Depth Capacity:	135 mm / 5.5"
Turret:	Automatic and motorized - 6 positions (4 objectives - 2 indenters)
Indenter:	Vickers - As option Knoop, Brinell and Rockwell
Objectives:	2.5x - 5x - 10x - 20x - 40x - 50x - 100x (Total magnification 25x - 50x - 100x - 200x - 400x - 500x - 1000x)
Camera:	1.3 MP USB2 B/W HD
Focus and Reading:	Automatic and manual
Lighting:	Energy Efficient Cool LED Light Source
Network:	Wire connection for technical assistance and auto-diagnosis
X-Y Table:	WIKI100JS: Manual 100 x 100 mm with 10 µm step WIKI200JS: Motorized with 0.5 µm steps 100 x 60 mm / 3.9 x 2.3" or 200 x 100 mm / 7.8 x 3.9"
Tolerable weoght:	50 kg
Dwell Time:	From 5 to 60 seconds programmable
Temperature Range:	From 10 °C to 35 °C
Data Output:	USB / Ethernet
Power Supply:	110 or 220 V / 50÷60 Hz
Software:	Affri - OMAG
Principle of Operation:	Load Cell and Closed Loop (Affri patent)
Fields Of Use:	For micro and macro Vickers and case depth test on every metals: iron, steel, tempered steel, cast iron, brass, aluminium, copper and metal alloys. Heat treatment, hardening, nitriding, cementation and hardfacing. Knoop test on ceramic and glass materials.
Packaging:	120 x 120 x 160 cm / 47 x 47 x 65" - 160/200 kg