

Koopa Pazhooresh Company is one of the leading and growing companies, designing and manufacturing test equipments that has started its activities since 1998.

A wide range of universal tensile testing and metals hardness testing machines and devices are produced and have been used in the most prestigious academic centers, industrial, and military purposes.



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**HARDNESS AND TENSILE
MACHINES SOLUTIONS**



ISO 9001:2008



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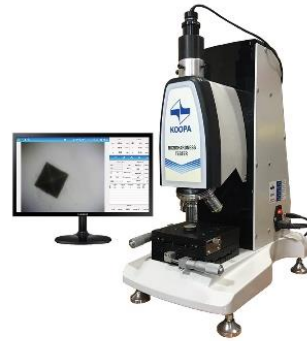
Universal hardness tester UV

- Based on ASTM E10, E18, E92 standards
- Optical system with 60X zoom in order to measure diameter
- Accuracy of 0.1 HRC
- Able to convert hardness units
- Software calibration
- USB Port transfer measuring data to a flash disk
- Accurate measurement of indenter displacement with accuracy of 0.1 micron
- 15 Rockwell, 15 Rockwell Superficial, 10 Vickers and all Brinell methods up to force 187.5 Kg



Micro hardness tester MH4

- Micro-Vickers hardness testing Based on ASTM E92, E384 standards
- Optical zoom (From 40X up to 1000X)
- Measurement of indentation diameter with accuracy of 0.1 Micro meter
- Haresh software in order to see indentation diameter, measurement and drawing hardness graph
- Calibration with a gauge block of 1 Kg and a calibration optical gauge
- Accuracy of 0.5 HV
- Able to convert hardness units



Portable hardness tester D06

- Hardness testing of large and heavy parts
- Hardness testing of curved & angled surfaces
- Able to show and convert hardness units (HRC, HB, HV,...)
- Software calibration
- Able to test 3 samples per second



Universal tensile testing machine

- Ability to perform tensile, pressure and bending test
- Able to test on steel, plastic, rubber wire and screw samples
- Ability to connect different types of handles and anvil
- Various jaws for round parts (wire) and quadrilateral (belt) in different sizes
- Have a laptop (core i3, 4G, 500G, 2G) fun monitoring & controlling the device via WiFi



Technical specifications

Model	TB1-5T	TB1-10T	TB1-20T	TB1-30T	TB1-50T
Rated load capacity	5T/50KN	10T/100KN	20T/200KN	30T/300KN	50T/500KN
The speed of the moving head	0.001to 1250 mm/min	0.001to 520 mm/min	0.001to 436 mm/min	0.001to 320 mm/min	0.001to 353mm/min
Moving head maximum displacement	60 cm	60 cm	60 cm	60 cm	60 cm
Maximum manual speed	1250 mm/min	520 mm/min	436 mm/min	320 mm/min	353mm/min
Force measuring accuracy	0.01%full scale	0.01%full scale	0.01%full scale	0.01%full scale	0.01%full scale
Displacement measurement accuracy	0.6 μm	0.1 μm	0.1 μm	0.1 μm	0.1 μm
Length x width x height (centimeter)	900*700*2000	1100*750*2400	1100*780*2400	1100*780*2400	1220*880*2500
Weight (Kg)	300	500	700	800	1200
Input voltage & power	220V/50HZ 2kw	220V/50HZ 3kw	380V/50HZ 4kw	380V/50HZ 6kw	380V/50HZ 9kw