

Premium Closed Loop Micro/Macro Vickers, Knoop & Brinell Hardness Tester EW-4000 Series

High accuracy and repeatability through Closed Loop, Load Cell and Force Feedback system, 10 models available

High-end Vickers/Knoop/Brinell hardness testers with low and high force ranging from HV0.02 to HV50. The EW-4000 series features state of the art Closed Loop, Load Cell, and Force feedback technology for a reliable fast measurement procedure.

Modular design fits to almost any budget.

- Superior test control
- Superior accuracy
- Superior gauge repeatability and reproducibility
- Superior flexibility

Features

STAGES:

- Manual X-Y stage
- Motorised X-Y stage (optional)
- Motorised X-Y-Z stage (optional)
- INV system with Video filar level 1, 2, or 3 (optional)
- INV system with auto focus and auto measuring level 4 (optional)

TURRET SYSTEM:

- Fully automatic 4 position turret for Micro Vickers / Macro Vickers, Brinell or Knoop measurements
- Featuring 3 objectives at choice, all 3 objectives can be used for measuring and observation. Optional 2nd indenter position

INDENTERS:

- Vickers 136°
- Knoop 172.5° x 130°
- Brinell 1 & 2.5mm

EYEPIECE:

- Electronic eyepiece microscope with precision encoder providing 15x magnification

OBJECTIVES:

- 5x for 75x magnification
- 10x for 150x magnification
- 20x for 300x magnification
- 40x for 600x magnification



Available load configurations:

EW-4300	Vickers/Knoop	1Kg - 30Kg
EW-4301	Brinell	1Kg - 31.25Kg
EW-4302	Macro Vickers/Knoop	300gf - 30Kg
EW-4303	Micro/Macro Vickers/Knoop	20gf - 30Kg
EW-4304	Micro/Macro Vickers/Knoop/Brinell	20gf - 31.25Kg
EW-4500	Vickers/Knoop	1Kg - 50Kg
EW-4501	Brinell	1Kg - 62.5Kg
EW-4502	Macro Vickers/Knoop	300gf - 50Kg
EW-4503	Micro/Macro Vickers/Knoop	100gf - 50Kg
EW-4504	Micro/Macro Vickers/Knoop/Brinell	100gf - 62.5Kg