

# OMEGA-5000-VZ

SEMI-AUTO MACRO VICKERS TESTER

## PRECISE VICKERS HARDNESS TESTER

Automatic Loading | Compact Footprint | User-Friendly

SPECIFICATION	OMEGA-5000-VZ
Macro Vickers Tester	Semi-Automated
Objectives	10X, 20X
Indenter Type	Vickers or Knoop
Testing Force (kgf)	1, 2, 2.5, 3, 5, 10, 20, 30, 50
Indenter / Measurement	Auto Turret
Testing Range	1 HV ~ 3000 HV
Total Magnification	100X, 200X
Loading Method	Automatic (Loading/Dwell/Unloading)
Dwell Time	Adjustable 5-60 seconds
Objective & Indenter Shift	Automatic
Resolution	0.25µm / 0.125µm
Illumination	Halogen
Max. Specimen Height	6.7-inch (170 mm)
Table Size	4.3 x 4.3-inch (110 x 110 mm)
Power	110 or 220V
Dimensions (W x H x D)	11 x 21 x 25 inch (280 x 530 x 630mm)
Weight	77 lbs (35 kg)

**2 year warranty**  
Limited warranty



### Versatile Testing Range with High Precision

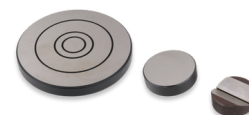
The OMEGA-5000-VZ supports testing forces from 1 kgf to 50 kgf and provides precise measurements with resolutions of 0.25µm and 0.125µm, making it suitable for a wide range of applications requiring accurate Vickers or Knoop hardness testing.

### Semi-Automated Functionality for Enhanced Efficiency

Featuring automatic loading, dwell, unloading, and an auto turret for objective and indenter shifts, the tester streamlines operations while reducing operator workload, making it ideal for laboratories with high testing demands.

### Compact and User-Friendly Design

With a compact footprint and a robust yet lightweight design, the OMEGA-5000-VZ accommodates specimens up to 6.7 inches in height, offering flexibility and ease of use in various testing environments.



Testing Table Anvil,  
Flat Anvil, and V-Anvil  
(from left to right)



Machinery directive 2006/42/EC  
RoHS Directive 2011/65/EU



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