

## UH750/UH3000 Universal Hardness Testers

The UH750 / UH3000 series complete the new generation of hardness testers. It is available in two versions, with maximum test forces to 750kg and 3000kg respectively. Due to its sturdy design, it is a reliable machine and suitable for rough workshop conditions. The innovative hardness tester features extremely fast testing cycles and a newly developed changer magazine to hold several indenters and lens. The operator can test to a variety of test methods without the need for manual indenter/objective changes.

### Technical Specifications

	UH750	UH3000
Test Procedures	HV 3 - HB 5/750	HV 20 - HB 10/3000
Total Test Force	3 kgf - 750 kgf (29,42 N - 7355 N)	20 kgf - 3000 kgf (196,1 N - 29420 N)
Load Application	Closed loop control	
Dwell Time	1 - 99 seconds	
Machine Dimensions (L x W x H)	1030 mm (40.5 in) x 600 mm (23.6 in) x 1810 mm (71.2 in)	
Vertical Testing Capacity	500 mm (floor type optional for 1000 mm height)	
Throat Depth	300 mm	
Machine Net Weight	1000 kg	
Power Supply	400V/50-60Hz	
Operating Temperature	10° - 40° C	
Humidity	max. 80%	
Data Output	PDF, Excel, ASCII	
Special Features	Vertical turret with 4 positions 5 mega-pixel digital camera LED lighting system Zoom module Autofocus Automatic test cycle Auto-measurement of indent images Windows based test program suitable for database export Extremely fast testing cycles Auto-guard warning against lateral test forces when indenter and workpiece are not within perpendicular limits	



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