



Robust and automatic universal hardness testing

Duramin-600 is designed to survive the toughest production environment. It is a universal hardness tester, operated by a robust touch screen, and comes available in three load ranges and with optional motorised Z-table for larger samples.

- Suitable for Vickers, Knoop, Brinell and Rockwell hardness testing
- Available in three load ranges: 1-250 kgf, 3-750 kgf, 5-3000 kgf
- Robust load-cell based universal tester
- Automatic 6-position turret
- Ring-light with dark field illumination for the testing of soft metals
- Optional motorised Z-axis for large samples
- Embedded PC, operated by mouse or touch screen

Technical data



	Duramin-600 M1/M2/M3			Duramin-600 Z1/Z2/Z3		
LOADS AND APPLICATIONS						
Model	M1	M2	M3	Z1	Z2	Z3
Load range (main loads)	1 kgf - 250 kg	3 kgf - 750 kgf	5 kgf - 3000 kgf	1 kgf - 250 kg	3 kgf - 750 kgf	5 kgf - 3000 kgf
Vickers capability		Yes			Yes	
Knoop capability		Yes			Yes	
Brinell capability		Yes			Yes	
Rockwell capability		Yes			Yes	
HVT/HBT		Yes			Yes	
ANVILS AND TURRETS						
Anvil size (mm)		Ø 80			Ø 80	
Vertical capacity (mm)		330			330	
Throat depth (mm)		260			260	
Motorized Z-axis		No			Yes	
Motorized turret		Yes			Yes	
Turret positions		6			6	
Anti-collision protection		Yes			Yes	
Machine weight		430 kg			430 kg	
CAMERAS AND OPTICS						
Evaluation camera resolution		5 MP			5 MP	
Auto illumination		Yes			Yes	
SOFTWARE AND MODULES						
Report editor		Yes			Yes	
Data export		Yes			Yes	
INTERFACES AND CONNECTIVITY						
Operation	Embedded Windows 10 PC with 15" touch screen. Mouse and keyboard operation is optional.					
Communication Ports	HDMI, VGA, RJ45, WLAN, USB, RS232					
WiFi		Yes			Yes	
Blue tooth		Optional			Optional	

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