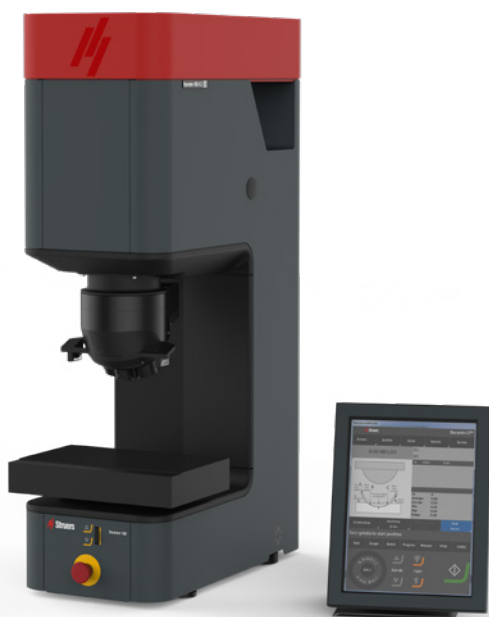


A powerful solution, combining micro and universal testing in one efficient machine

Duramin-100 range combines both a micro and universal tester. The top model covers a wide load range from 10 gf to 250 kgf, and includes a motorised XY-stage, motorised test head, overview camera, laser guide and 8-position turret. Duramin-100 is available in 3 load ranges and is suitable for Vickers, Brinell and Rockwell hardness testing. Add-on modules include K_c fracture measurements, mapping and weld measurements.

- Suitable for Vickers, Knoop, Brinell and Rockwell hardness testing
- Comes in three load ranges: 10 gf – 62.5 kgf, 10 gf – 150 kgf, 10 gf – 250 kgf
- Automatic 8-position turret
- Motorised test head
- Motorised XY-stage
- Automatic illumination
- Automatic height adjustment
- Anti-collision system
- Overview camera
- Laser positioning system
- Report editor
- Embedded PC, operated by mouse or touch screen
- Other features include: mapping, edge detection, welding measurement, fracture measurement and Jominy testing

Technical data



	Duramin-100 AC1	Duramin-100 AC2	Duramin-100 AC3
LOADS AND APPLICATIONS			
Load range (main loads)	10 gf - 62.5 kgf	10 gf - 150 kgf	10 gf - 250 kgf
Vickers capability	Yes	Yes	Yes
Knoop capability	Yes	Yes	Yes
Brinell capability	Yes	Yes	Yes
Rockwell capability	No	Yes	Yes
HVT/HVB	No	No	Yes
STAGES AND TURRETS			
XY-stage	Automatic	Automatic	Automatic
XY-stage or anvil size (mm)	350x225	350x225	350x225
XY-stage stroke, max (mm)	220x120	220x120	220x120
Vertical capacity (mm)	145	145	145
Throat depth (mm)	230	230	230
Motorized Z-axis	Yes	Yes	Yes
Motorized turret	Yes	Yes	Yes
Turret positions	8	8	8
Anti-collision protection	Yes	Yes	Yes
Machine weight	210 kg	210 kg	210 kg
CAMERAS AND OPTICS			
Overview camera	Yes	Yes	Yes
Overview cam FOV	200x160	200x160	200x160
Overview camera resolution	5 MP	5 MP	5 MP
Evaluation camera resolution	5 MP	5 MP	5 MP
Auto illumination	Yes	Yes	Yes
Stage illumination	Yes	Yes	Yes
Laser guider	Yes	Yes	Yes
Dual view	Optional	Optional	Optional
SOFTWARE AND MODULES			
CHD measurement	Yes	Yes	Yes
Edge detection	Optional	Optional	Optional
Mapping	Optional	Optional	Optional
Welding module	Optional	Optional	Optional
Kc fracture meas.	Yes	Yes	Yes
Report editor	Yes	Yes	Yes
Data export	Yes	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	Yes
Blue tooth	Optional	Optional	Optional

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