



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	

Struers ApS
 Pederstrupvej 84
 DK-2750 Ballerup, Denmark
 Phone +45 44 600 800
 Fax +45 44 600 801
 struers@struers.dk
 www.struers.com

AUSTRALIA & NEW ZEALAND
Struers Australia
 27 Mayneview Street
 Milton QLD 4064
 Australia
 Tel.: +61 7 3512 9600
 Fax: +61 7 3369 8200
 info.au@struers.dk

BELGIUM (Wallonie)
Struers S.A.S.
 370, rue du Marché Rollay
 F- 94507 Champigny
 sur Marne Cedex
 Tel.: +33 1 5509 1430
 Fax: +33 1 5509 1449
 struers@struers.fr

BELGIUM (Flanders)
Struers GmbH Nederland
 Zomerdijk 34 A
 3143 CT Maassluis
 Tel.: +31 (10) 599 7209
 Fax: +31 (10) 5997201
 netherlands@struers.de

CANADA
Struers Ltd.
 7275 West Credit Avenue
 Mississauga, Ontario L5N 5M9
 Tel.: +1 905-814-8855
 Fax: +1 905-814-1440
 info@struers.com

CHINA
Struers Ltd.
 No. 1696 Zhang Heng Road
 Zhang Jiang Hi-Tech Park
 Shanghai 201203, P.R. China
 Tel.: +86 (21) 6035 3900
 Fax: +86 (21) 6035 3999
 struers@struers.cn

CZECH REPUBLIC & SLOVAKIA
Struers GmbH Organizační složka
 vědeckotechnický park
 Přílepská 1920,
 CZ-252 63 Roztoky u Prahy
 Tel.: +420 233 312 625
 Fax: +420 233 312 640
 czechrepublic@struers.de
 slovakia@struers.de

GERMANY
Struers GmbH
 Carl-Friedrich-Benz-Straße 5
 D- 47877 Willich
 Tel.: +49 (0) 2154 486-0
 Fax: +49 (0) 2154 486-222
 infoservice@struers.de

FRANCE
Struers S.A.S.
 370, rue du Marché Rollay
 F-94507 Champigny
 sur Marne Cedex
 Tel.: +33 1 5509 1430
 Fax: +33 1 5509 1449
 struers@struers.fr

HUNGARY
Struers GmbH
 Magyarországi Fióktelep
 2040 Budaörs
 Szabadság utca 117
 Phone +36 (23) 80 60 90
 Fax +36 (23) 80 90 91
 hungary@struers.de

IRELAND
Struers Ltd.
 Unit 11 Evolution @ AMP
 Whittle Way, Catcliffe
 Rotherham S60 5BL
 Tel.: +44 0845 604 6664
 Fax: +44 0845 604 6651
 info@struers.co.uk

ITALY
Struers Italia
 Via Monte Grappa 80/4
 20020 Arese (MI)
 Tel.: +39-02/38236281
 Fax: +39-02/38236274
 struers.it@struers.it

JAPAN
Struers K.K.
 Takanawa Muse Bldg. 1F
 3-14-13 Higashi-Gotanda,
 Shinagawa
 Tokyo
 141-0022 Japan
 Tel.: +81 3 5488 6207
 Fax: +81 3 5488 6237
 struers@struers.co.jp

NETHERLANDS
Struers GmbH Nederland
 Zomerdijk 34 A
 3143 CT Maassluis
 Tel.: +31 (10) 599 7209
 Fax: +31 (10) 5997201
 netherlands@struers.de

NORWAY
Struers ApS, Norge
 Sjøskogenveien 44C
 1407 Vinterbro
 Tel.: +47 970 94 285
 info@struers.no

AUSTRIA
Struers GmbH
 Zweigniederlassung Österreich
 Betriebsgebiet Puch Nord 7
 5412 Puch
 Tel.: +43 6245 70567
 austria@struers.de

POLAND
Struers Sp. z o.o.
 Oddział w Polsce
 ul. Jasnogórska 44
 31-358 Kraków
 Tel.: +48 12 661 20 60
 Fax: +48 12 626 01 46
 poland@struers.de

ROMANIA
Struers GmbH, Sucursala Bucuresti
 Str. Preciziei nr. 6R
 062203 sector 6, Bucuresti
 Tel.: +40 (31) 101 9548
 Fax: +40 (31) 101 9549
 romania@struers.de

SWITZERLAND
Struers GmbH
 Zweigniederlassung Schweiz
 Weissenbrunnstraße 41
 CH-8903 Birmensdorf
 Tel.: +41 44 777 63 07
 Fax: +41 44 777 63 09
 switzerland@struers.de

SINGAPORE
Struers Singapore
 627A Aljunied Road,
 #07-08 BizTech Centre
 Singapore 389842
 Tel.: +65 6299 2268
 Fax: +65 6299 2661
 struers.sg@struers.dk

SPAIN
Struers España
 Camino Cerro de los Gamos 1
 Building 1 - Pozuelo de Alarcón
 CP 28224 Madrid
 Tel.: +34 917 901 204
 Fax: +34 917 901 112
 struers.es@struers.es

FINLAND
Struers ApS Suomi
 Sahaajankatu 20-22 A6
 00880 Helsinki
 Tel.: +358 (0)207 919 430
 finland@struers.fi

SWEDEN
Struers Sverige
 Box 20038
 161 02 Bromma
 Tel.: +46 (0)8 447 53 90
 Fax: +46 (0)8 447 53 99
 info@struers.se

UNITED KINGDOM
Struers Ltd.
 Unit 11 Evolution @ AMP
 Whittle Way, Catcliffe
 Rotherham S60 5BL
 Tel.: +44 0845 604 6664
 Fax: +44 0845 604 6651
 info@struers.co.uk

USA
Struers Inc.
 24766 Detroit Road
 Westlake, OH 44145-1598
 Tel.: +1 440 871 0071
 Fax: +1 440 871 8188
 info@struers.com