



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 Kc 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



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
 Phone +61 7 3512 9600
 Fax +61 7 3369 8200
 info.au@struers.dk

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

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

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

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

ÖSTERREICH
Struers GmbH
 Zweigniederlassung Österreich
 Betriebsgebiet Puch Nord 8
 5412 Puch
 Telefon +43 6245 70567
 Fax +43 6245 70567-78
 austria@struers.de

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

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

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

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

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

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

DEUTSCHLAND
Struers GmbH
 Carl-Friedrich-Benz-Straße 5
 D-47877 Willich
 Telefon +49 (0) 2154 486-0
 Fax +49 (0) 2154 486-222
 verkauf@struers.de

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

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

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

HUNGARY
Struers GmbH
 Magyarországi Fióktelep
 Tatai ut 53
 2821 Gyermely
 Phone +36 (34) 880546
 Fax +36 (34) 880547
 hungary@struers.de

SUOMI
Struers ApS, Suomi
 Hietalahdenranta 13
 00180 Helsinki
 Puhelin +358 (0)207 919 430
 Faksi +358 (0)207 919 431
 finland@struers.fi

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

SWEDEN
Struers Sverige
 Ekbacksvägen 22
 168 69 Bromma
 Telefon +46 (0)8 447 53 90
 Telefax +46 (0)8 447 53 99
 info@struers.se

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

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

JAPAN
Marumoto Struers K.K.
 Takara 3rd Building
 18-6, Higashi Ueno 1-chome
 Taito-ku, Tokyo 110-0015
 Phone +81 3 5688 2914
 Fax +81 3 5688 2927
 struers@struers.co.jp

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

	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 7 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