

Introduction: The Microindentation Hardness Module is specifically developed with accuracy and repeatability in mind. By using the latest image analysis techniques a user can automatically determine microindentation hardness. The module conforms to procedures described in both ASTM and ISO norms. Unlike manual methods, the module uses state-of-the-art algorithms to automatically determine indent diagonals thus minimizing operator bias. The module is a must for laboratories that experience high sample volume and/or employ multiple technicians. Whether you're a seasoned image analysis professional or a novice, you will find the intuitive interface and Wizard features of this module reassuring as you greatly improve both the quality and throughput of your testing.

Microindentation Hardness Measurement

- Accurately determine macro/micro indentation hardness using either ASTM or ISO norms
- Select from multiple test methods including:
 - Micro Vickers
 - Knoop
- Conversion to Rockwell B or C scales
- Use the "interactive" histogram feature to accurately set the boundary detection level
- Perform automatic case hardness depth (CHD) measurement through manual input of X/Y coordinates and cutoff hardness
- Select from different applied load units including: gf, kgf, N
- Manual override/correction of automatic measurements

Reporting Options

- Multiple reporting options include:
 - Raw data reporting
 - Built-in report generator using Data Dynamics Reports
 - Export to Microsoft Excel®, Microsoft Word and .pdf format
- Case Hardness Depth

Scentis Image Modules

Designed for use with Struers
Scentis Lab Management System

Optional plug-in image analysis modules provide state-of-the-art evaluation methods for everything from grain sizing to inclusion rating. Employ image analysis modules for evaluations according to international standards.

The Scentis image modules allow you to perform sophisticated analysis very easily. Simply select the appropriate analysis module and follow the intuitive guidance of the built-in wizards.



New to image analysis?

Try the built-in Scentis Wizard for simple step-by-step assistance through the entire process.

A seasoned professional?

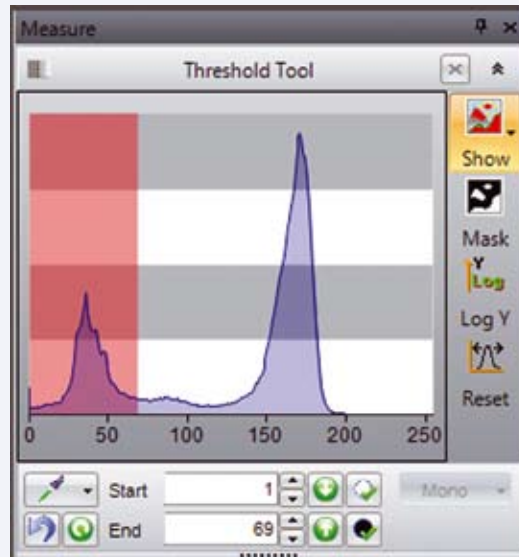
Get directly to the analysis with powerful built-in tools.

Desire repeatability?

Easily establish a "best practice" by utilizing the built-in technique recorder.

Desire reproducibility between operators or multiple laboratories?

Share your methods with other module owners using our unique "setup" filing structure.



Number	Spacing mm	
	Horizontal	Vertical
1	0.10	0.00
2	0.20	0.00
3	0.30	0.00
4	0.40	0.00
5	0.50	0.00
6	0.60	0.00
7	0.70	0.00
8	0.80	0.00
9	0.90	0.00
10	1.00	0.00
11	1.10	0.00
12	1.20	0.00
13	1.30	0.00
14	1.40	0.00
15	1.50	0.00
16	1.60	0.00
17	1.70	0.00
18	1.80	0.00
19	1.90	0.00
20	2.00	0.00

Scentis Image Modules

A large number of image analysis modules are available, many of which conform to ASTM, ISO and DIN standards:

	Cat. no:
Multiple Phase Percent Area	36003021
Grain Sizing	36003022
Inclusion or 2nd-Phase Constituent Measurement	36003023
Particle Size / Sphericity	36003024
ASTM E384 Microindentation / Macro Hardness Measurement	36003025
Brinell Hardness Measurement	36003026
Thickness, Layers and Coatings	36003027
Graphite in Cast Iron	36003028
Dendritic Arm / Cell Spacing	36003029

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A Scentis VI basic package, a Scentis VI single seat or a Scentis VI server installation is needed to run the above modules.

Scentis VI single seat, cat. no.	36001035
Scentis VI server + 1 floating seat, cat. no.	36001036
Scentis VI additional server seat, cat. no.	36001037

For further information on Scentis, contact your local dealer. You can also visit us at www.struers.com

Struers' products are subject to constant product development. Therefore, we reserve the right to introduce changes in our products without notice.

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

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

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

CHINA
Struers Ltd.
Rm. 702 Hi-Shanghai
No. 970 Dalian Road
Shanghai 200092, P.R. China
Phone +86 (21) 5228 8811
Fax +86 (21) 5228 8821
struers.cn@struers.dk

CZECH REPUBLIC
Struers GmbH
Organizační složka
Havlíčková 361
CZ-252 63 Roztoky u Prahy
Phone +420 233 312 625
Fax: +420 233 312 640
czechrepublic@struers.dk

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

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

IRELAND
Struers Ltd.
Unit 11 Evolution@ AMP
Whittle Way
Catcliffe
Rotherham S60 5BL
Tel: 0845 604 6664
Fax: 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.dk

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

NETHERLANDS/BELGIUM
Struers GmbH Nederland
Electraweg 5
NL-3144 CB Maassluis
Tel. +31 (0) 10 599 72 09
Fax +31 (0) 10 599 72 01
netherlands@struers.de

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

ROMANIA
Struers GmbH
Stucursala Sibiu
Str.Scoala de Inot, nr. 18
RO-550005 Sibiu
Phone +40 269 244 558
Fax +40 269 244 559
romania@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

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

SUOMI
Struers A/S, Sivuliike Suomessa
Kalevankatu 43
00180 Helsinki
Puhelin 0207 919 430
Faksi 0207 919 431
finland@struers.dk

SWEDEN
Struers A/S Sverige
Ekbacksvägen 22
168 69 Bromma
Telefon +46 (0)8 447 53 90
Telefax +46 (0)8 447 53 99
struers@struers.dk

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

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

ÖSTERREICH
Struers GmbH
Zweigniederlassung Österreich
Ginzkeyplatz 10
A-5020 Salzburg
Telefon +43 662 625 711
Fax +43 662 625 711 78
austria@struers.de

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

