



JOIN GENERATION
CLEAN!

Say goodbye to manual cleaning

- Fully automated – perfect cleaning every time
- Faster cleaning – higher productivity
- No cleaning agents – no environmental footprint



SAY GOODBYE TO MANUAL CLEANING

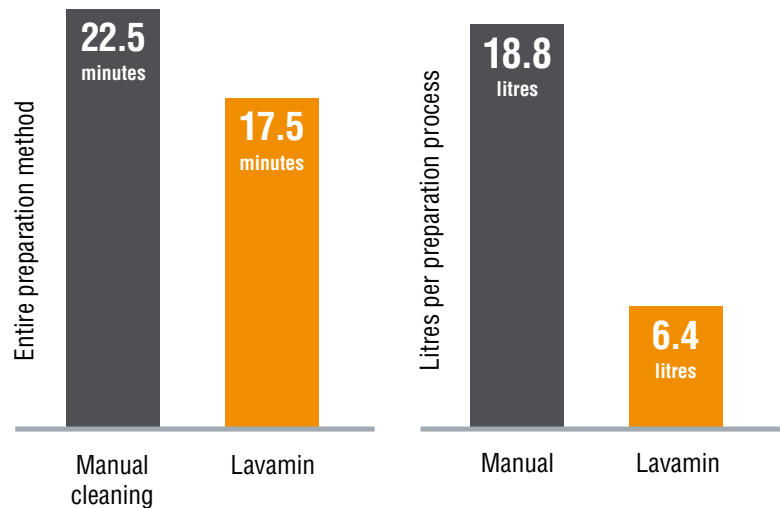
Gone are the days of standing at the sink cleaning specimens with soap, flushing them with alcohol and drying them!

Join Generation Clean with Lavamin, a world-first stand-alone cleaning unit for specimens in Struers specimen holders and mover plates up to 160 mm in diameter. The unit takes up very little space and can be installed in just five minutes.

Save time, costs and resources.



- Shorten the specimen preparation process
- Avoid replacement of preparation surfaces due to accidental contamination
- Forget about cleaning agents and alcohol
- Use significantly less water
- Eliminate environmental footprint
- Work more comfortably and safely
- Achieve the same perfect result every time



Shorter cleaning time and the ability to change the preparation surface during cleaning means a 20 percent saving in the total preparation process time. In addition, the elimination of cleaning agents and alcohol together with a 67 percent saving in water consumption will cut costs. Graphs are based on time- and water-consumption when cleaning 6 individual specimens manually versus on Lavamin running a preparation method consisting of 4 steps.

Lavamin at work

Fully automated

Lavamin uses a patent-pending and entirely automated process combining ultrasound and water rinsing together with high-speed spin-drying of the specimen holder/mover plate.

Perfect cleaning – every time

You save time with a faster cleaning process and the opportunity to change the preparation surface while the specimens are being cleaned. Automated cleaning perfection every time and avoid replacement of preparation surfaces due to accidental

contamination. In addition to saving you time and costs, Lavamin eliminates chemical cleaning agents and leaves no environmental footprint.

Compatibility

Lavamin is compatible with Struers specimen holders and mover plates with a diameter up to 160 mm. For the water and air supply Lavamin can be connected directly to Tegramin-25/-30.

1



Attach the specimen holder or mover plate.

4



Change the preparation surface while Lavamin is cleaning to be ready for the next preparation step.

2



Select one of the three cleaning programmes.

5



The water is pumped out of the bowl. The drying process rotates the specimen holder or mover plate at high speed. In programme 3 the bowl is flushed with air for perfect drying of the specimens. The lid opens automatically.

3

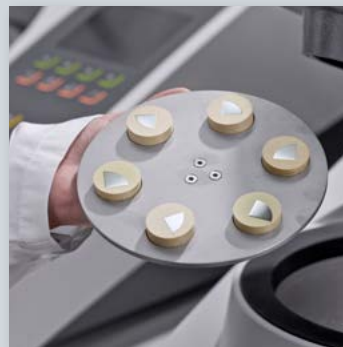


The lid closes automatically.

The bowl fills with water.

Ultrasound starts and the holder/mover plate starts gentle rotation.

6



Remove the completely clean and dry specimens and specimen mover plate.

Start the next preparation step.

Programmes

PROGRAMME 1

Duration: 1 minute
 Typical use: Cleaning after plane grinding or diamond polishing

PROGRAMME 2

Duration: 1 ½ minute
 Typical use: Cleaning after fine grinding on MD-Allegro/Largo

PROGRAMME 3

Duration: 2 minutes
 Typical use: Final cleaning, cleaning after OP-Polishing, flushing with air during drying.



SPECIFICATIONS

Lavamin

Specimen cleaning unit for cleaning of specimen holders up to 160 mm dia. and for individual specimens in specimen mover plates for Tegramin-25, -30, TegraForce-5 and RotoForce-4. Levelling unit, retention rings in 25 mm / 1", 30 mm / 1.125", 40 mm / 1.5" and 50 mm / 2" dia. and rubber mats are included.

Voltage

1x200-220 V or 1x100-110 V / 50-60 Hz
 1x220-240 V or 1x110-120 V / 50-60 Hz

Cat.no

06236117
 06236119

ACCESSORIES

Levelling tool for adjusting retention rings on individual specimens for Lavamin

For round specimens 25 mm / 1", 30 mm / 1.125", 40 mm / 1.5" and 50 mm / 2" dia.

Cat.no

06236920

Retention rings for specimens 25 mm / 1" dia.

To retain individual specimens in specimen mover plates for cleaning in Lavamin. 15 pcs.

06236910

Retention rings for specimens 30 mm / 1.125" dia.

To retain individual specimens in specimen mover plates for cleaning in Lavamin. 15 pcs.

06236911

Retention rings for specimens 40 mm / 1.5" dia.

To retain individual specimens in specimen mover plates for cleaning in Lavamin. 15 pcs.

06236912

Retention rings for specimens 50 mm / 2" dia.

To retain individual specimens in specimen mover plates for cleaning in Lavamin. 15 pcs.

06236913

Applicator for retention rings

To apply and adjust retention rings for use with Lavamin. For specimens 25 mm / 1" dia.

06236921

To apply and adjust retention rings for use with Lavamin. For specimens 30 mm / 1.125" dia.

06236922

To apply and adjust retention rings for use with Lavamin. For specimens 40 mm / 1.5" dia.

06236923

To apply and adjust retention rings for use with Lavamin. For specimens 50 mm / 2" dia.

06236924

Rubber mat

To keep small and light specimens in place, for Tegramin-25, TegraForce and RotoForce specimen mover plates. For use with Lavamin. For 140 mm dia. specimen mover plates

06236925

To keep small and light specimens in place, for Tegramin-30 specimen mover plates.

For use with Lavamin. For 160 mm dia. specimen mover plates

06236926



Struers' equipment is in conformity with the provisions of the applicable International Directives and their appurtenant Standards. (Please contact your local supplier for details)

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

Find out more about
 Generation Clean
 and Lavamin
www.struers.com/lavamin

SEE THE VIDEO

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

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

BELGIUM (Flanders)

Struers GmbH Nederland
 Elekraweg 5
 3144 CB Maassluis
 Telefoon +31 (10) 599 7209
 Fax +31 (10) 5997201
 netherlands@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

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

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

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

HUNGARY

Struers GmbH
 Magyarországi Fióktelep
 Tatai ut 53
 2821 Gyermely
 Phone +36 (34) 880546
 Fax +36 (34) 880547
 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

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

NETHERLANDS

Struers GmbH Nederland
 Elekraweg 5
 3144 CB Maassluis
 Telefoon +31 (10) 599 7209
 Fax +31 (10) 5997201
 netherlands@struers.de

NORWAY

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

ÖSTERREICH

Struers GmbH
 Zweigniederlassung Österreich
 Betriebsgebiet Puch Nord 8
 5412 Puch
 Telefon +43 6245 70567
 Fax +43 6245 70567-78
 austria@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
 Sucursala 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

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

SUOMI

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

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

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
 Phone +1 440 871 0071
 Fax +1 440 871 8188
 info@struers.com

Ensuring Certainty

With offices and affiliates in 24 countries and a presence in more than 50 countries worldwide, Struers is the world's leading materialographic solution supplier. We are dedicated to enabling our customers to ensure certainty in all aspects of materialographic preparation and testing as well as material hardness testing - wherever they are in the world. Struers offers a complete range of equipment, consumables, service and training programmes – all supported by the most comprehensive knowledge base, global applications support and a certified global service set-up.

Learn more

Contact a Struers sales representative today or visit www.struers.com/lavamin