

TECHNICAL DATA

Discoplan-TS

1- or 3-phase
Rotational speed: 1400 rpm at 50 Hz, 1700 rpm at 60 Hz
Diamond cut-off wheel: 203 mm dia. 0.5-1.5 mm thickness
Diamond cup wheel: max 180 mm dia.
Precision scale including vernier: 1 µm
Vacuum chucks: 3 pieces, 30 x 50 mm
Dimensions: W x D x H: 700 x 370 x 320 mm

SPECIFICATIONS

Discoplan-TS

Precision thin section machine. With 3 vacuum chucks for grinding of 3 glass slides of 27 x 46 mm, 28 x 48 mm or 30 x 45 mm, or 2 glass slides of 1 x 3" and specimens. Including holder for cutting of rocks (75 x 75 mm), holder for cutting of standard specimens (8 x 20 x 30 mm), dial gauge and recirculation cooling unit (025361xx). Diamond cut-off wheels, diamond cup-wheels and vacuum pump are ordered separately.

Cat.no. 037262xx

Table unit

With compartment for recirculating cooling unit.

Cat.no. 05116916

Diamond Cup Wheel MOP15

Metal bonded, for grinding of hard, brittle materials on Discoplan-TS.

Cat.no. 40800013

Diamond Cup Wheel BOP15

Resin bonded, for grinding of hard, ductile materials on Discoplan-TS.

Cat.no. 40800014

Diamond Cut-off Wheel M4D20

For cutting of minerals and ceramics (HV 800). Metal bond. 202 mm dia. x 1.0 mm x 22 mm dia.

Cat.no. 40000029

Diamond Cut-off wheel B4D20

For cutting of sintered carbides and ceramics (HV 800). Bakelite bond. 202 mm dia. x 1.1 mm x 22 mm dia.

Cat.no. 40000032

Welch Vacuum Pump

Used on Discoplan-TS, CitoVac for external pump and Accutom-100, -50, -5 and -2. Vacuum: ~907 mbar. Output: ~34 l/min. Dimensions L x W x H, cm (in): 37.5 x 21 x 25.5 (14.8 x 8.3 x 10.0)
115 V / 60 Hz
230 V / 50 Hz

Cat.no. 06196121

Cat.no. 06196133

LaboPol-20

Grinding/polishing machine with variable speed (50-500 rpm) for 200 mm dia. disc. Supplied with manual splash guard and bowl liner. LaboUI control panel and discs are ordered separately. Specimen mover LaboForce-50 can be mounted.

Cat.no. 06326127

LaboPol-30

Grinding/polishing machine with variable speed (50-500 rpm) for 230, 250 or 300 mm dia. disc. With automatic water valve. Supplied with splash guard and bowl liner. LaboUI control panel (06206901) and discs are ordered separately.

Cat.no. 06336127

LaboForce-Mi

Semi-automatic specimen mover for the preparation of mineralogical specimens. For use with LaboPol-30. Specimen mover plates and dosing unit (LaboDoser-10, 06376901) are ordered separately.

Cat.no. 06386130

LaboPol adapter kit and rinsing device

Kit for adapting LaboPol-20 (06326127) for use with Diamond Ring Grinding Discs (SA0522XX). Includes adapter plate, tools, water connector, rinsing device and holding fixture for Thin Section Mouse (SA0521XX)

Cat.no. SA052205

Cast Iron disc for mineralogy, 300 mm dia.

Concentrically grooved, cone-type disc for lapping mineralogical specimens on LaboPol-30/-60 (06336127/06346127). Made of special SiC-resistant cast iron alloy.

Cat.no. 06206917

SPECIFICATIONS

Specimen Mover Plates for LaboForce-Mi

For 8 specimens, 25 mm dia.
For 8 specimens, 30 mm dia.
For 4 specimens, 40 mm dia.
For 4 specimens, 60 mm dia.
For 8 specimens 20 x 30 mm.

Cat.no.

05236901

05236902

05236903

05236904

05236905

Thin Section Holder BORTY

For lapping of thin sections. With Boron Carbide Sticks. 60 mm dia. Including 4 foils of 25 µm and 3 foils of 8 µm.

Cat.no. 02686xxx

Set of Copper Foils

Extra set of 4 pcs. 25 µm and 6 pcs. 8 µm.

Cat.no. 02686901

Thin Section Holder TYNDS

For polishing and lapping of thin sections, size 60 mm dia.

Cat.no. 02686xxx

CitoVac

CitoVac with built-in vacuum ejector vacuum impregnation unit. Compressed air supply 4.5 - 6 bar required.
1 x 100-240 V / 50-60 Hz.

Cat.no. 05926119

CitoVac for external pump

Vacuum impregnation unit. External vacuum pump required.
1 x 100-240 V / 50-60 Hz.

Cat.no. 05926219

Lid for gluing

Complete with pressing rod and support ring for gluing specimens on glass slides for making thin sections.

Cat.no. 05926904

Standard Slides

Standard Slides for thin sections, with ground edges. 100 pcs.
28 x 48 mm
27 x 46 mm

Cat.no. 40701018

Cat.no. 80100001

Microcover Glass

To be used for covering thin sections.
24 x 32 mm. Abt. 100 pcs.

Cat.no. 40701020

Eukitt

Synthetic thermoplastic resin for mounting of cover glasses on thin sections. 500 ml.

Cat.no. 41000004

Cast Iron Lapping Disc

Concentrically grooved disc, for lapping of mineralogical specimens, 300 mm dia.

Cat.no. 40800059

SiC Powder

For lapping of mineralogical specimens. To be used on cast iron lapping disc. Grit: 120, 220, 320, 400, 600, 800, 1000, 1200

Cat.no. 407010xx

MD-Disc

Disc for magnetic fixation, 300 mm dia.

Cat.no. 02426918

MD-Piano

Diamond grinding disc for grinding of materials HV 150 - 2000
MD-Piano 80, 300 mm dia. 40800123
MD-Piano 120, 300 mm dia. 40800127
MD-Piano 220, 300 mm dia. 40800131
MD-Piano 500, 300 mm dia. 40800135
MD-Piano 1200, 300 mm dia. 40800139

MD-Largo

Maintenance-free disc for one-step fine grinding, using diamonds 300 mm dia.

Cat.no. 40500099

For further information on CitoVac, EpoFix, the MD-System and DP Diamond Products please see separate brochures.

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