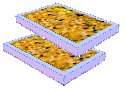




1.03.16 LAPPING MACHINE FOR THIN SECTIONS



CUTTING / CORING

COATING / EMBEDDING

BONDING

GRINDING

LAPPING

POLISHING



DESCRIPTION

Machine for automatic thinning at a specified thickness of object glass blades and rocks glued to glass blades (thin blades).

It allows the heels to be used before sticking them to the glass blades.

PARTICULARITIES

This machine is specialized in the automatic preparation of thin rock blades by rolling. It allows up to 12 samples to be taken simultaneously. The final thickness is adjusted using 3 micrometers graduated in 1/100 mm.

This package has unique advantages:

Load the custom heels.

Heels can be very variable in thickness. They are always guided individually and the support load on the tray is individualized and applied in their center.

Reliable and adjustable abrasive distribution in suspension.

The abrasive is kept permanently in suspension. The dispenser controlled by starting and stopping the tray allows the adjustment of the drip.

Uniform distribution of the abrasive on the plate.

The abrasive is evenly distributed on the plate before coming into contact with the preparations.

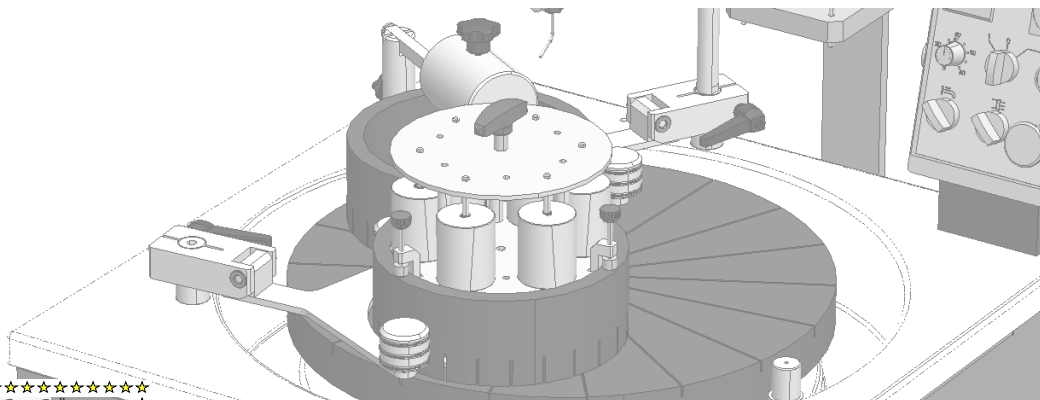
Permanent geometry: no disassembly of the tray is required.

The cast iron of the heavy-duty running-in plate guaranteed 20 years and its patented geometry holding device prevent disassembly for grinding throughout the life of the machine.

Patented sample holder.

A patented cleat allows the choice of the ground thicknesses.

Easy maintenance and cleaning.



Updated in august 2020

AERI BROTLAB

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SAS capital de 300 000 € - Siret : 40278098500055

BROTLAB®



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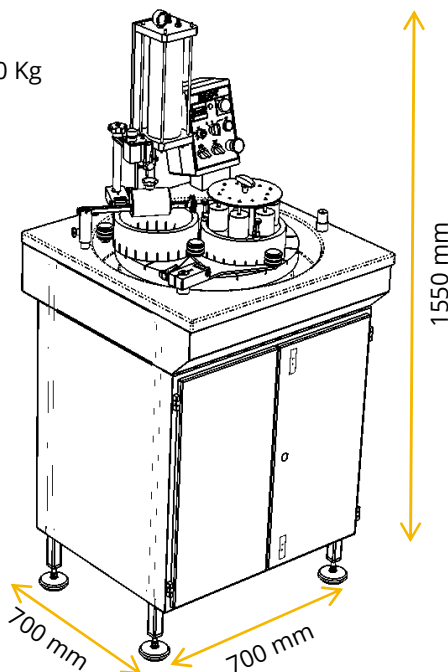
POLISHING

STANDARD EQUIPMENT

- The machine with variable speed tray
- Patented cleat for finishing 12 blades 30x45 mm or 6 blades 45x60 mm (other dimensions on request)
- 1 Patented plate geometry support
- 1 Device with 3 or 6 cells for flat ground-in of the first face of the heels
- 2 Hands; 1 for the plate geometry retaining ring and abrasive splitter, 1 for the cleat and the heel joint
- 1 Built-in abrasive dispensing device
- 1 Water tube for holding samples in place by depression
 - ⇒ 1 Batch of start-up consumables:
 - ⇒ 1 Kg silicon carbide grain 800,
 - ⇒ 250 cm³ dispersing agent,
 - ⇒ 1 litre of passivating agent,
 - ⇒ 1 Pack of wipers,
 - ⇒ 2 Pissettes,
 - ⇒ 1 Brush for cleat,
 - ⇒ 1 Brush for the tray,
 - ⇒ 2 12-cell sample transport trays
- 1 Service Tool Lot



250 Kg



OPTION

- Other voltage (to be specified at order)
- 1 Additional Hand (for second heel grounding device, allowing 2 sets of heels to be run in at the same time)

CHARACTERISTICS

Electrical

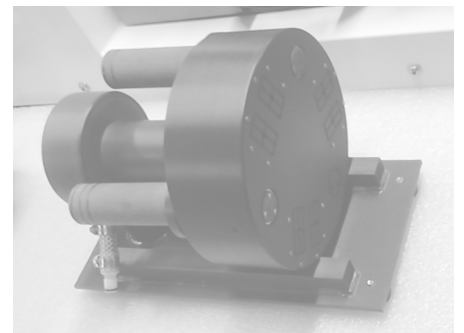
Network: 230V single phase
Output: 1 kW

Capacity

Up to 12 thin sections 30x45 mm simultaneously.

ACCESSOIRES

- 1 Heel joint fitting (3 or 6) with ring+grid+weight (dimensions to be specified when ordering),
- 1 Vacuum pump with its water trap and its first maintenance batch,
- 1 Additional cleat,
- 1 1/100 analogue measuring stand
- 1 digital measuring stand at 1/100
- 1 digital measuring stand at 1/1000



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