

EQ-PUL Polishing Unit

The status of the platinumware when preparing beads has got a great influence in the final result of the analysis by XRF. Apart from improving and facilitating the timings for sample preparation.

Equilab presents their EQ-PUL Polishing Unit, specially designed to firmly hold the different pieces for grinding and polishing. This unit can apply up to 8 selectable turning speeds. It is a small device, easy to use and very versatile.

The proper care and maintenance of the platinumware in the fusion process is of utmost importance, first because the high cost of these pieces and also because of their influence in the analytical results. From an analytical point of view, it is important to know that the small scratches and lines – deriving from the wear and tear – in the molds can increase the possibility of misreadings by the XRF unit, as these imperfections are imprinted in the surface of the bead. From an operative point of view, the proper maintenance of our pieces does affect directly the sample preparation times, also facilitating the removal of the beads and the complete discharge of the molten sample within the crucible. From a financial point of view, to take good care of the platinumware may extend the useful life of the pieces to double or even treble the time.

Until now, the polishing techniques resulted too arduous and requested specialized staff. The **EQ-PUL** is specially designed to maintain the platinumware in the best conditions without the need of highly qualified technicians. This polishing unit is compact and easy to manage. It includes a holding device to secure it firmly to any working station. The **EQ-PUL** is controlled by a microprocessor and has got up to 8 working speeds. This feature enables operations when it is necessary to apply a stronger abrasion as well as those where the process is very delicate.

The unit comprises two modules. From the lower one the features of the units are controlled. The upper module is independent and is fixed onto an axis, therefore it can be moved to work in an horizontal position, maintain it upright, or hold it in intermediate positions. This option allows for changing the position of the working area to access each piece comfortably.





The unit is handed over with an initial kit including all the accessories to start working with the unit immediately. The versatility and low cost of the **EQ-PUL** Polishing Kit make of this device an essential tool to maintain the platinumware in the best condition.

Technical Specifications:

Application: platinumware users

Velocidades:

- 400 rpm
- 600 rpm
- 800 rpm
- 1200 rpm
- 1500 rpm
- 2000 rpm
- 2500 rpm
- 3000 rpm

Speeds:

- 10 abrasive discs P500
- 10 abrasive discs P1000
- 10 abrasive discs P1500
- 10 abrasive discs P2500
- 500 ml polishing liquid 3 μ m
- 500 ml polishing liquid 6 μ m
- 500 ml polishing liquid 14 μ m
- 3 polishing cloths 400 x 300 mm

Engine power: 150W

Power supply: 220V/100W

Dimensions:

Height:	550 mm
Width:	220 mm
Depth:	255 mm

Approximate weight: 11 kg

Example - refurbishment of a standard crucible



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