

High precision finishing machines for small cylindrical parts



## POLISH MASTER 4000

BRUSH POLISHING MACHINE

### Description

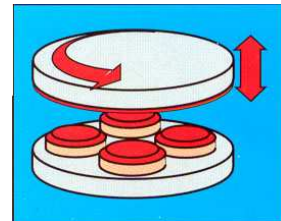
The Schlafli brush polishing machine **POLISH MASTER 4000** precisely and efficiently brushes sharp edges, burrs and radii of parts made of hard materials such as Sapphire, Ruby, Ceramics, Zirconia, Tungsten Carbide etc..

The brushing process allows a significant improvement of the surface quality.

To enable an optimal polishing operation the parts are placed in holes, or glued to the 4 working discs of the **POLISH MASTER 4000**. During a variable period of time, the parts are processed by means of the rotating and vertically oscillating polishing brush. A diamond compound is used as an abrasive medium. Depending on the grain size of the diamond compound and the specification of the brush varying surface finishes can be achieved.

### Typical applications

- Polishing the rear end of ceramic fiberoptic ferrules
- Radii, chamfer, surface and edge polishing of tungsten carbide dies. Cases, ruby, sapphire and industrial jewels also.
- Polishing of sharp edges on sapphire crystals and lenses.
- Polishing of the surfaces of ceramic thread guide parts for textile applications.
- etc.



### Technical data

|                                 |  |
|---------------------------------|--|
| Diameter of polishing brush     | 380mm  |
| Diameter of 4 working discs     | 144mm  |
| Total working surface           | 651cm <sup>2</sup>                                 |
| Rotary speed of polishing brush | Variable in a range of 0 – 160 min <sup>-1</sup>   |
| Rotary speed of working discs   | Variable in a range of 0 – 12 min <sup>-1</sup>    |
| Oscillation stroke of brush     | Variable in a range of 0 – 10mm                    |
| Abrasive medium                 | Diamond compound (different grain sizes available) |
| Change of direction of rotation | Variable in a range of 5sec – 60hrs                |
| Dimensions (LxHxD)              | 700x1000x800mm                                     |
| Net Weight                      | 150Kg  |
| Supply voltage                  | 220 VAC 50/60Hz 1PH                                |

All technical specifications and illustrations are without obligation and subject to change without notice.