

Automatic Drill



OPERA
drill

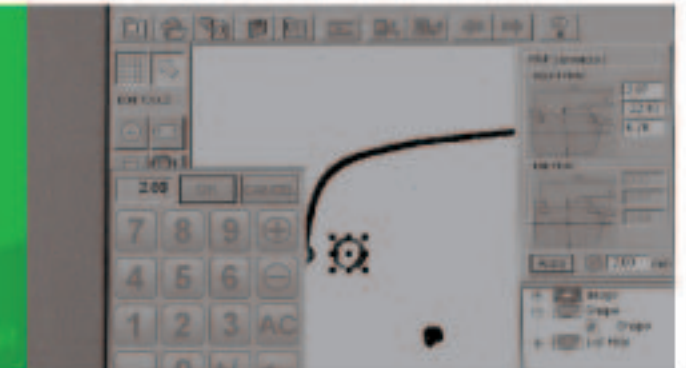
OPERA
drill

Automatic Drill



OPERA
scan

Scanner for Drill



CHARACTERISTICS

- Numeric control drill for multi-material plastic lenses
- Automatic lens clamping without removing the edging blocks
- External face drill with inclination for lenses of any base and graduation
- Edge and curve mappings with automatic inclination calculation: 0° to 40°
- Functional, compact design
- Safety door and emergency off
- Possibility of using an external suction system
- Silent, vibration-free operation
- It can perform the following operations:
 - pass-through holes in various diameters
 - blind holes
 - any size milling operations and in any direction
- All operations can be carried out at any point of the lens thanks to the rotation feature
- All operations can be carried out with the corresponding lens base inclination
- The lens base and/or angle can be manually fixed for special frames
- All operations are carried out using a single Ø 1 mm diameter milling

- head, which is both long-lasting and easy to replace
- Revolution range (0 r.p.m - 25.000 r.p.m), cutting speed (0 mm/s - 5 mm/s), which are configurable for each type of material
- Graphical user interface with LCD screen data entry
- Image form capture from tracer
- High-capacity, built-in memory for jobs or patterns database
- Optional barcode reader
- PC connection included
- Compatible with OMA 3.03 and earlier
- Jobs download from the **OPERA scan**

TECHNICAL SPECIFICATIONS

- Voltage: 230 V / 50 - 60 Hz - 120 V / 50 - 60 Hz
- Power consumption: 150 W
- Auxiliar output: 1.500 W
- Dimensions: 550 mm x 425 mm x 495 mm (maximum height with raised cover: 640 mm)
- Weight: 30 Kg

CHARACTERISTICS

- Actual scale recognition of the shape, shaft and drilling without any need for handling (simply by the marks made by the lensmeter)
- Edit function: modification/deletion of scanned drilling, creation of new drilling, milling and notches, etc.
- Possibility of modifying lens shape, horizontal and vertical boxing and rotation of the lens
- Tool for measuring distances between drill holes, between drilling and edge, etc.
- Overlapping function: possibility of combining drilling and shapes from different jobs
- Spherometer for lens curve calculation. Curve compensation
- Superposition of actual and virtual images
- Zoom function 1:4 scale
- Communication with **OPERA drill**
- Communication with tracer **COMBIMAX** and **CNC 3D A** (it can be used as an external job memory)
- Memorize up to 10.000 jobs

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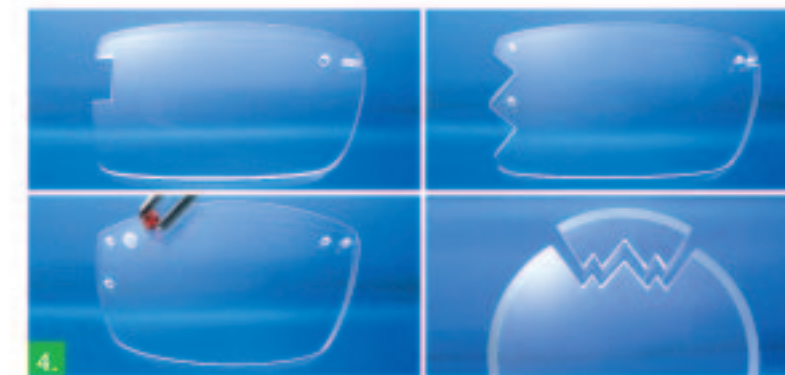
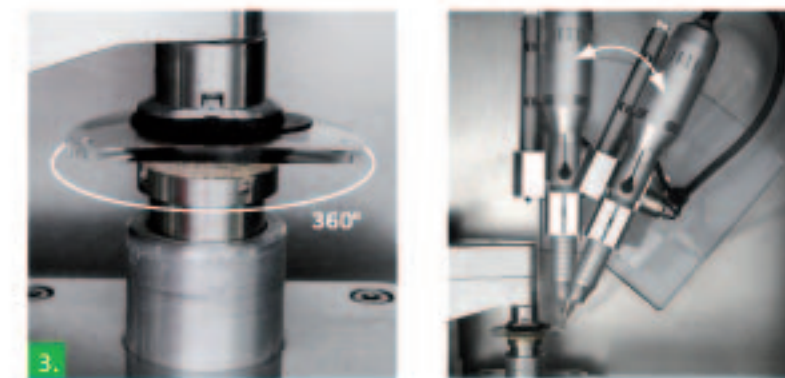
OPERA
scan

Automatic Drill

The OPERA Drill provides the complete answer for optical workshops and laboratories, covering with a minimum investment all current mounting trends.

Conceived as an independent system, without any requirement for PC connection, and thanks to its versatility and OMA compatibility, the OPERA Drill is completely suitable for work in all type of environments.

The definitive tool for your rimless



1. Ergonomics

User-friendly, intuitive parameter entry by means of the alphanumeric keypad. LCD screen display of data and forms on a 1:1 scale. Simple access to the lens location and blocking area

2. Curvature sensor

Incorporates a curvature sensor that guides the bit at the ideal angle and depth for each hole, milling or notching operation

3. Access to the entire outline

The lens rotates, providing access to all the radii of its outline. This guarantees a perfect hole orientation, based on spherical coordinates

4. Versatility and autonomy

It is possible to carry out up to 10 operations on a single complete lens. In addition to this, its built-in memory enables the storage of multiple jobs

Scanner for Drill

The highest level of precision in detection of shape and drill hole locations with just a simple click

The OPERA Scan is the ideal complement to the OPERA Drill. The combination of these two units produces the OPERA System, which is characterised by excellent precision, reliability and execution speed of such demanding jobs as the case of rimless mountings



OPERA Scan rewarded with the Silmo d'Or 2006

