



A new concept in optical recognition

- Efficient: Fast processing
- Reliable: Accurate shape detection
- Simplicity: Gravity technology offers the ultimate ease of use

Easy shape modification

- Flexible: Shape modification (Axis, 1/2 B, A, B)
- Organized: Easily accessible job database for up to 300 jobs
- Effective: Shape memory for up to 200 shapes

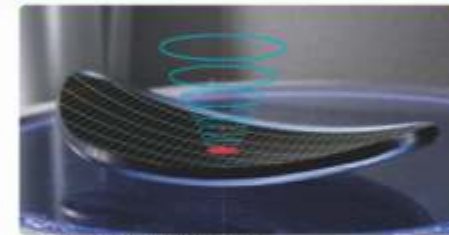
Parallax free digital blocking

- Accurate: Parallax free blocking
- Secure: Select critical zones prior to edging
- Precise: Manual blocking unit

Flexible edging process

- Versatile: Including polishing of V and flat bevel
- Feature packed: Grooving and safety bevel
- Accurate: Gravity Technology ensures precision fit for lenses

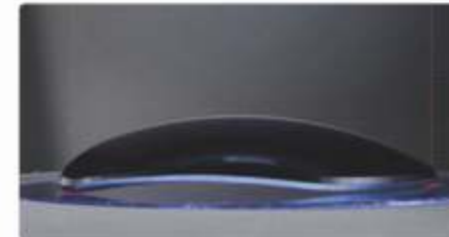
1st Step : GraviTech® Recognition



Gravity measurement technology :
Only one point of contact - The GRAVITY POINT !

Demo lens positioning on the convex side allows :

- A unique lens contact point
- High repeatability
- Perfect digitalization of the shape



The classic position:
Has two points of contact and a larger risk of tilting

2nd Step : GraviTech® Blocking



Parallax Free Technology
Free of Prism Error



The calculated gravity point is used to :

- Position the block
- Create the relation between tracing and blocking
- Achieve the correct geometrical calculation for precision fit

3rd Step : GraviTech® Edging



Edging around the gravity point ensures :

- Perfect shape reproduction
- Exceptionally accurate sizing
- Gravity Centered edging

4th Step : GraviTech® Fitting



A perfect fit right from the start

Gravity Technology Ensures :

- Highly accurate «first fit» rate
- Precision in sizing accuracy
- Easy & accurate edging technology

FUNCTIONAL SPECIFICATIONS

GraviTech®	Accurate 2D detection of demo and pattern lenses touch free optical capturing system based on gravity technology
Shape-Administration	Job Memory: Stores up to 300 jobs (including centering and edging parameters) Shape Memory: Stores up to 200 shapes Shape Modification: A / B / 1/2 B / circumference / radius / shape-axis
Centering	Single Vision, Bifocal, Trifocal, Progressive Manual centering: Parallax-free digital blocking Manual detection of critical points are measured prior to blocking
Edging	Processing of mineral, CR39, high index, polycarbonate and triplex® two sided measurement of lens with only one measurement feeler varying V-bevel programs polishing of flat and V-bevel
Special Features	Grooving with a defined angle of 10° incl. different programs Variable Groove width and depth Chamfering : Front in one step / Back in 3 steps
Communication	OMA V3.07 Prepared for Remote Tracing

Width	28.6 in. (728 mm)
Depth	23.6 in. (600 mm)
Height	17.4 in. (442 mm)
Weight	165 lbs. (75 Kg)
Voltage	230 V-50Hz 115 V-60 Hz.

Complies with safety directives:

EN 61010-1, DI 2006/42/EC
DI 2006/95/EC, DI 2002/95/EC
DI 2002/96/EC
Complies with EMC directives:
DI 2004/108/EC, EN 55022
Classe B, EN 61000-3-2
EN 61000-3-3, EN 61000-6-2
UL standards for 115V version:
UL/CSA 61010-1

For details contact



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