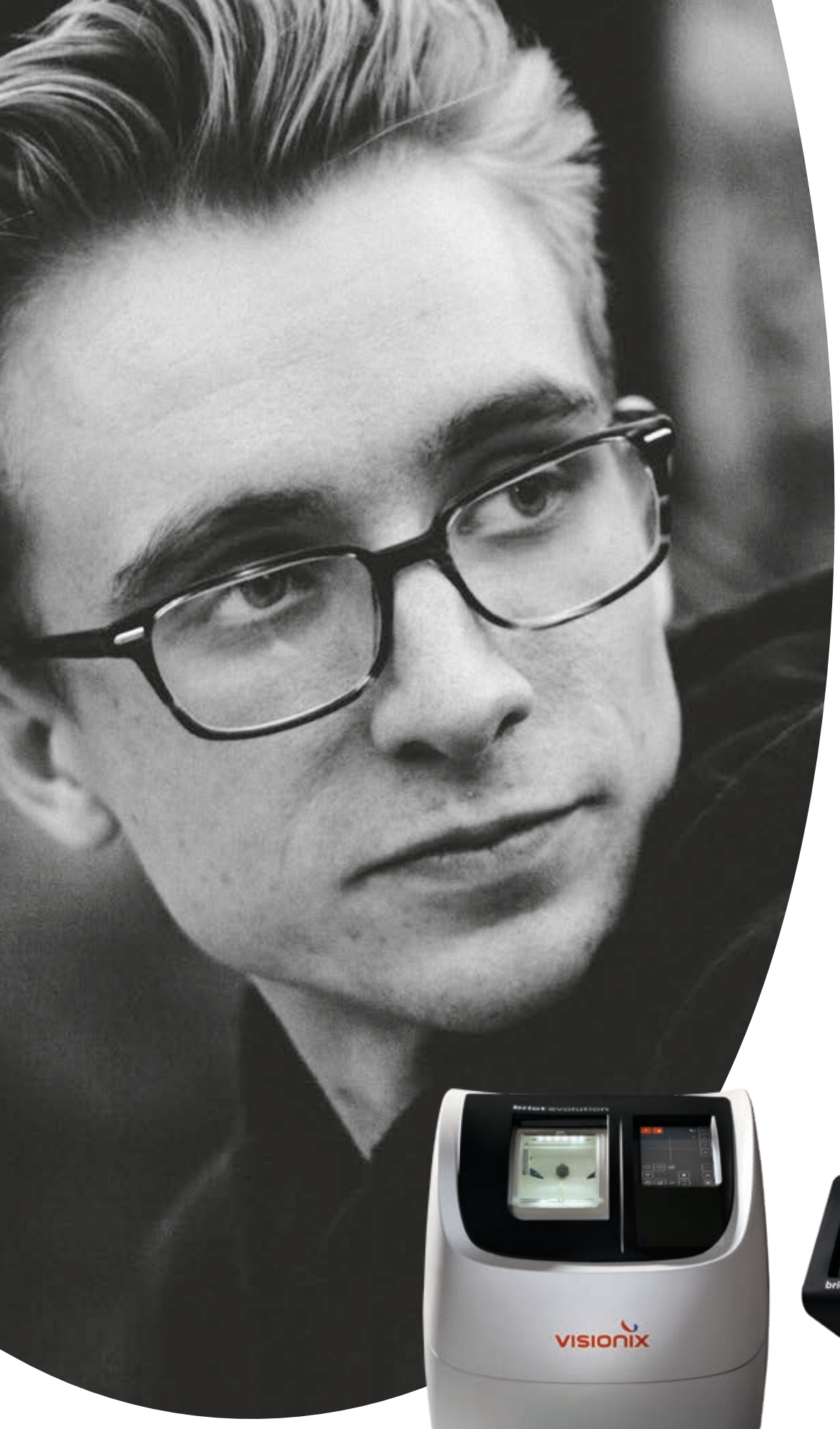
briot evolution

The versatile edging system

VISIONIX

INNOVATION TO UNLOCK YOUR POTENTIAL



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Perfect shape reproduction and sizing

Briot has developed the first optical tracing system capable of using just one reference point to recreate a flawless 3D shape in just 4 seconds. With our patented GraviTech technology, users achieve perfect shape reproduction and sizing with results that are superior to mechanical tracers.

With Optical Frame Tracing, another industry first, the system allows you to capture the shape of the frame in the rare occurrence that a demo lens is not available.

The Evolution blocker is the master of drill hole detection. There is no need to mark the drill holes beforehand; the Evolution will elegantly capture accurate drill hole coordinates within seconds. Its intuitive interface makes modifying drill points and notches simple and easy.

The evolution edger with TMS (Torque Management System) optimizes the edging cycle time without the risk of lens slippage.

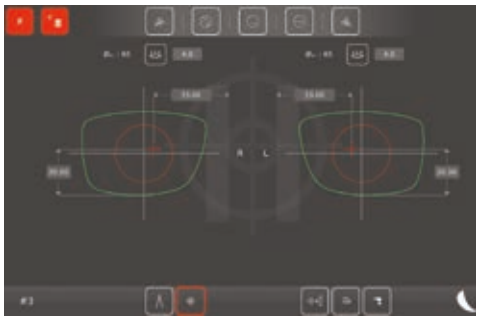
Why choose the Evolution Blocker?

VISUALIZE AND HIGHLIGHT PROGRESSIVE LENS LASER ENGRAVINGS

The high resolution camera can accurately capture the laser engravings on progressive lenses to make layout easy and stress-free. With the Evolution, you can edge every lens with complete confidence.

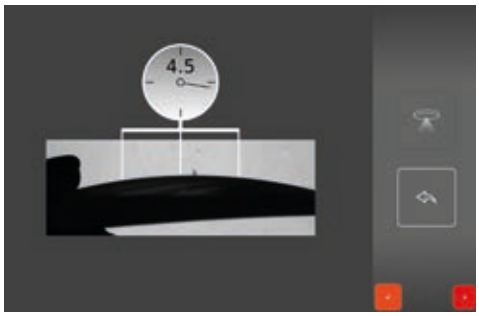
PATENTED TECHNOLOGY DELIVERS PERFECT, PARALLAX-FREE BLOCKING

A technology that enables consistently faster blocking while eliminating negative influences such as parallax and light reflections to deliver perfect blocking results.



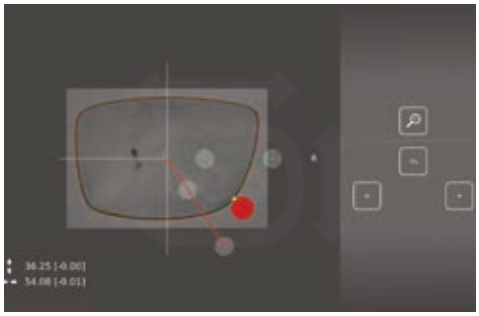
MORE COMPREHENSIVE MEASUREMENTS MORE ACCURATE BLOCKING

Because the Evolution takes into account the frame curve and lens curve, it is able to provide the perfect solution for premium results.



DIGITAL LENS CLOCK

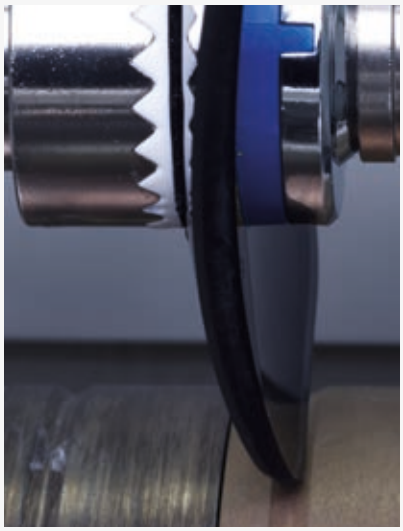
The Digital Lens Clock feature measures the front base-curve of the lens in a matter of seconds. The Evolution then uses this data to achieve a perfect finish.



INTELLIGENT SHAPE SMOOTHING

The Evolution can accurately reconstruct broken or defective demo lenses with minimal effort.

Why choose the Evolution Edger?

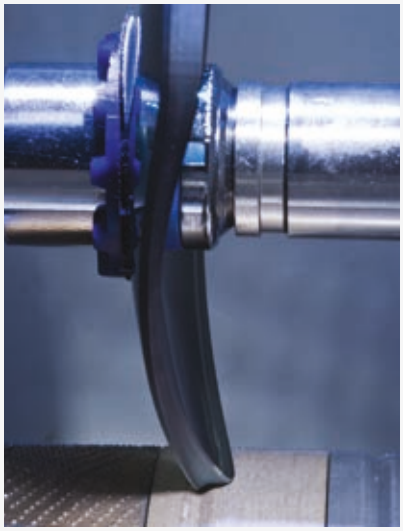


FLEXIBILITY AND SPEED WITH WITH TMS

New sensors and improved software maintain constant pressure on the lens, thus reducing edging time with no risk of misalignment, especially on hydrophobic lenses. Briot Evolution intelligently adjusts its edging cycles to the thickness of the lens and material.

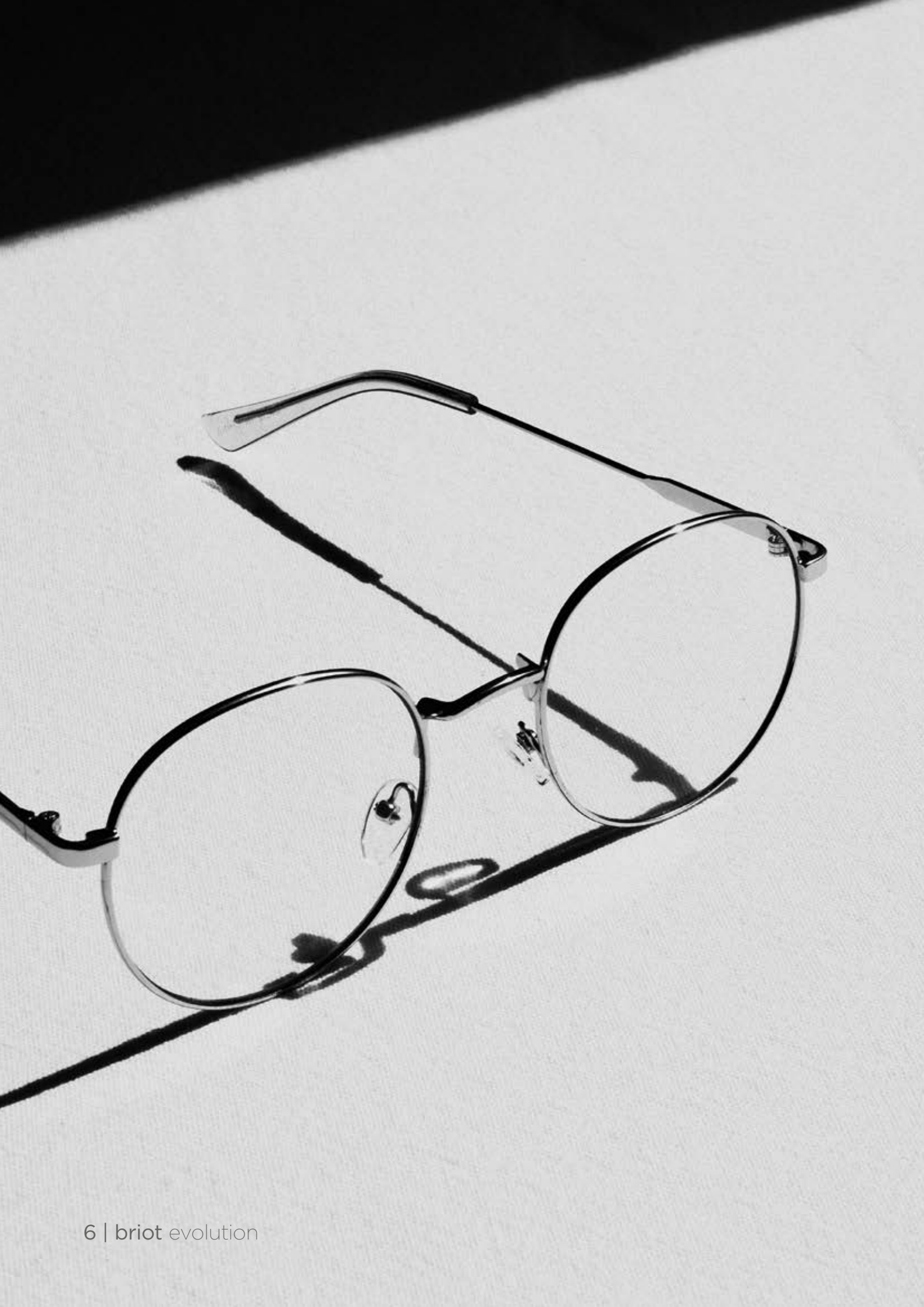
BEST FINISHING RESULTS

No two frames are exactly alike. With a dynamically adjustable drilling / grooving tool up to 30° and Briot's Best-Fit Technology, the Evolution ensures that the lens has an exceptional finish.



THE FIRST FIT IS THE RIGHT FIT

90mm diameter wheels can perform bevels that larger wheels cannot. Achieve the best aesthetics with full bevel width and height control, especially in thin metal frames.



Technical specifications

BVCert. 7307186

Briot Evolution was designed by our engineers in Normandy, France, and assembled in our local workshops with the greatest care. Each component is crafted with rigorous quality-control protocols at each stage of work. And all parts are guaranteed for up to 2 years and backed by a rapid repair guarantee, ensuring you maximum uptime and a long lifecycle for your machine.

DIMENSIONS :

WIDTH	325 mm (12.8 in)
DEPTH	305 mm (12 in)
HEIGHT	435 mm (17.1 in)
WEIGHT	11 kg (24.3 lbs)

	EVOLUTION - Tracer - Blocker
Data base	• Number of jobs: 5 000 • Number of shapes: 10 000 • Number of Frame Manufacturers / Folders: 100
Optical Trace	• Powered by patented GraviTech in HD • Maximum «A» Dimension: 70mm • Maximum «B» Dimension: 60mm • Shape Modification • Automatic Drill Hole Detection • Easy Drill Hole Modification and Placement
Centering/ Blocking	• Parallax Free Decentration and Blocking • High Definition Camera • Highlight and Visualize Laser engravings • 3D Pupillary Distance Correction

DIMENSIONS :

WIDTH	510 mm (20.1 in)
DEPTH	615 mm (24.2 in)
HEIGHT	570 mm (22.4 in)
WEIGHT	65 kg (143 lb)
VOLTAGE	CE 230V/50Hz ETL 120V/60Hz
ELECTRIC CONSUMPTION	230V /10A 120V / 20A
ELECTRIC POWER	2300 W
SOUND LEVEL	66 dB

	EVOLUTION - Edger
Finishing	• Torque Management System(TMS) advanced edging cycle. • Four 90mm wheels that edge all materials including CR39, Polycarbonate, Trivex, High-Index, and Glass. • Integrated drilling functions including countersunk holes, notches, blind, and oblong holes. The drilling angle adjusts dynamically from 0-30°. • Front and backside lens curvature measurement accuracy of 50 microns. • Visual preview of lens before starting the roughing cycle. • 4 different bevel program modes including Percentage(default), Base curve, Controlled Bevel(manual), and Automatic. • Variable chuck pressure based on lens material and coatings. • Minimum edging diameters: Rimless Polish = 17mm, Grooved Polish = 18.2mm, Bevel Polish = 18.6mm, Polish with Safety Bevel = 21mm. • This needs to be positioned above edging diameters. • 4 different grooving modes including Percentage(default), Base curve, Controlled Bevel(manual), Automatic. • Front and backside safety bevel.

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