

briot attitude evolution

The core duo for  
your workshop





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# A decisive system in the optician's assembly line

Now using the best available shape reproduction processes - TrueScan and GraviTech, thus giving perfect dimensions to the shape. Followed by the unbeaten automatic blocking process and superior edging. The Briot Attitude Evolution Combo is a critical link in the optician's assembly line, serving to make the process fast and extremely reliable. The Torque Management System optimizes the edging cycle time without the risk of lens slippage.

# Visualise the lenses' properties

With the Attitude Tracer Blocker, reproduce your shapes with GraviTech, our patented optical tracing method. Visualise the invisible with unique technology that shows the real design and mapping of progressive lenses, using Wavefront technology.



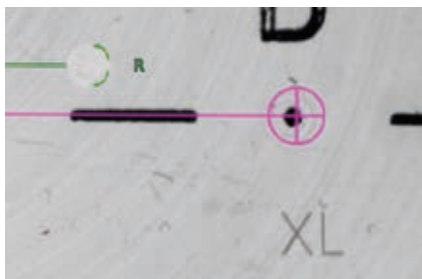
## TRUESCAN: TRUE HIGH CURVE TRACER

Briot Attitude features a technological concept which allows tracing of extreme wrap frames with ease. Tracing is geared for speed while the mechanics allow a very soft touch on frames, avoiding any type of deformation.



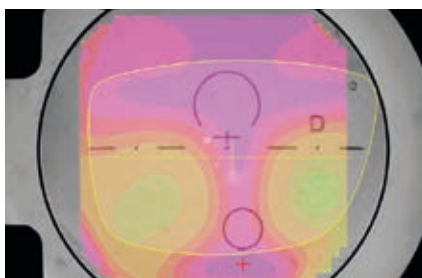
## GRAVITY BASED OPTICAL TRACING

By placing the lens face down, Briot developed a patented method for optical tracing using the gravity point of the lens. The Briot Attitude is capable of capturing even the most complex shapes, including drill holes, with exceptional precision in just seconds. The reproduced shape comes out perfect even on lenses with higher base curves.



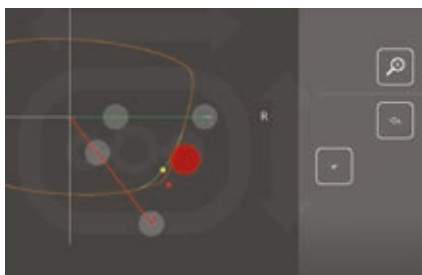
## LASER ENGRAVINGS

Using a high definition camera, see the detailed laser engravings on progressive lenses. The user can decide on best centration according to the print layout or lens engravings in cases where there is deviation between the two.



## WAVEFRONT TECHNOLOGY

The Attitude by Briot combines the best of both worlds with parallax free centering and wavefront technology. With the Shack Hartmann technology, the actual lens design is visible. With this information, the best visual correction for the wearer can be taken into account during the centering and blocking process.

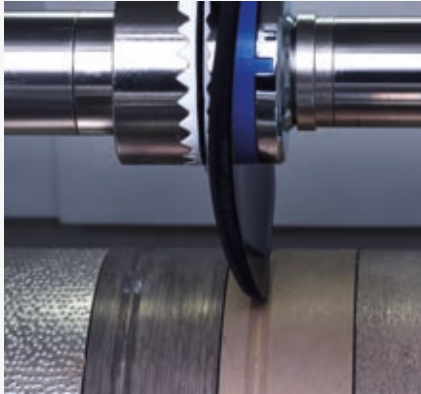


## INTELLIGENT SHAPE SMOOTHING

The Attitude Blocker Tracer can accurately reconstruct broken or defective demo lenses with minimal effort.

# Further Edging Evolution

The Evolution Edger is a perfect match to the Attitude Tracer Blocker, delivering precise and accurate finishing results rapidly and effortlessly.



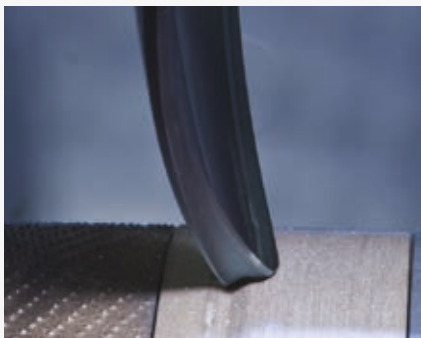
## **FLEXIBILITY AND SPEED WITH TMS**

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.



## **DYNAMIC RANGE ANGLED DRILLING AND GROOVING FOR 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.



## **FULLY GUIDED MINI BEVEL ENSURES THAT 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 Attitude 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. 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	360 mm (14.2 in)
DEPTH	590 mm (23.2 in)
HEIGHT	565 mm (22.2 in)
WEIGHT	29,5 kg (65 lbs)
VOLTAGE	100V-240V / 50Hz-60Hz

Meets following directives  
CEM 2004/108/CEE,  
EN 55022 « Classe B »,  
EN 61000 - 6 - 2; EN 61000 - 6 - 3,  
2006/95/CEE, EN 61010-1  
Standards UL Version US 115V:  
UL 61010-1; CAN/CSA-C22.2 N°61010-1

## DIMENSIONS :

HEIGHT	570 mm (22.4 in)
WIDTH	510 mm (20.1 in)
DEPTH	615 mm (24.2 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

## ATTITUDE - Tracer - Blocker

### Shape Recognition

- Frame tracing, demo lenses, patterns and edged lenses
- Special technology to measure wrap frames
- TrueScan: recognition of the 4 frame dimensions including the frame groove position, giving better fit of the lens into the frame
- Tracing right eye and/or left eye: transfer of one side only or both eyes
- Measurement of the frame PD and bridge
- Shape displayed on screen (scale 1 to 1)
- Maximum measurable diameter 80 mm
- PROS 2.0 superior optical recognition system including accurate drill hole detection
- Digiform included: advanced shape modification with overlaid lens and map display
- Extensive, alphanumeric Library including 5000 Jobs & 10000 Shapes (Patterns, Drilled Shapes, etc.) with advanced search functions
- Automatic data transfer from the blocker to the edger
- Create new shapes from existing ones using the useful drill import & export functions

### Centering & Blocking

- Supported Decentration Types  $\frac{1}{2}$  PD,  $\Delta x - \Delta y$ , boxing height or frame height
- Decentering: 0.05 mm step
- Automatic Detection of Single Vision, Bifocal and Progressive Lenses
- Power Measurement based on Wavefront Technology for Single Vision Lenses
- Mapping including Power Measurement Point-to-Point for Progressive and Single Vision Lenses
- Controlled blocking pressure

### Connections

- OMA communication through Serial or Ethernet

## EVOLUTION - Edger

- Torque Management System (TMS) advanced edging cycle
- Four 90mm wheels that edge all materials including CR39, Polycarbonate, Trivex, Tribrid, 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
- 5 different bevel program modes including Percentage, Automatic, Base curve, Controlled Bevel (Manual mode) and Front Following
- 5 different grooving modes including Percentage, Automatic, Base curve, Controlled Bevel (Manual mode) and Front Following
- Automatic variable chuck pressure based on lens material and coatings
- Front and backside safety bevel
- Minimum edging diameters:  
Rimless Polish = 17mm  
Grooved Polish = 18.2mm  
Bevel Polish = 18.6mm,  
Polish with Safety Bevel = 21mm



INNOVATION TO UNLOCK YOUR POTENTIAL

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