briot attitude evolution

The core duo for your workshop

VISIONIX

INNOVATION TO UNLOCK YOUR POTENTIAL

briot
Attitude


briot

A decisive system in the optician's assembly line

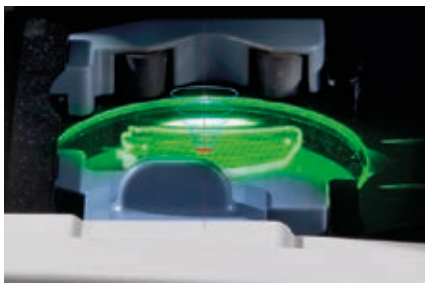
Now using the best available shape reproduction processes - TrueScan and GraviTech®, thus giving perfect dimensions to the shape. Followed by the unbeaten automatic blocking process and superior edging.
The Briot Attitude-Evolution Combo is a critical link in the optician's assembly line, serving to make the process fast and extremely reliable.

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.

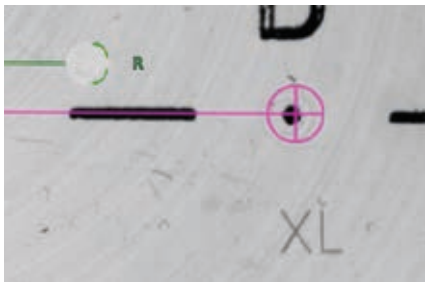
TRUESCAN: TRUE HIGH CURVE TRACER

Briot Attitude features a new 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.



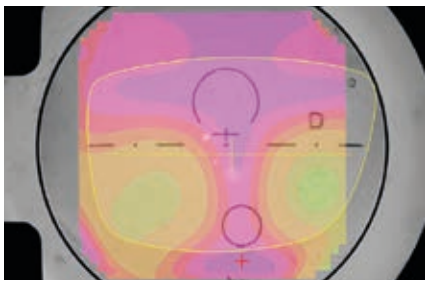
GRAVITY BASED OPTICAL TRACING

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.



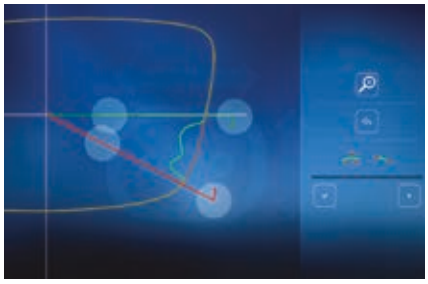
LASER ENGRAVINGS

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 NEW WHISPER QUIET TECHNOLOGY

The unique Briot Edging Workflow will guide you step-by-step through the data input so no single parameter will be missed. With the powerful brushless motor the Evolution Edger delivers ideal finishing results more efficiently and with less noise!

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.

50%
FASTER than previous series

Basic bevelled job
CR39 -0.25 Diam 65
Automatic bevel

34%
FASTER than previous series

Supra job
Polycarbonate sph -4.00 diam 75
Groove - Polish - Safety bevel

32%
FASTER than previous series

Rimless job
Rimless job polycarbonate sph -4.00 diam 75
3 holes + 1 notch-Polish-Safety bevel.

Water consumption has been considerably reduced
5 liters for an edged lens versus 16 liters on average with previous models.
Evolution is part of a new effort to market products which are environmentally friendly.

Technical specifications

ORIGINE FRANCE® GARANTIE

BV Cert. 8566167

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	565 mm (22,2 in)
HEIGHT	590 mm (23,2 in)
WEIGHT	29,5 kg (65 lbs)
VOLTAGE	100 V-240 V / 50 Hz-60 Hz

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

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 overlayed 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 ½ PD, Δ x - Δ 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

- Briot Link™ remote servicing module ready
- OMA connection

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

EVOLUTION - Edger

- Industrial Grade Brushless Motor for fast and quiet operation
- 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

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