



 **EVOLUTION**

EXPERIENCE YOU CAN COUNT
ON YESTERDAY, TODAY,
AND TOMORROW

briot
The Vision of Innovation



THE NEXT EVOLUTION OF TRACING: GRAVITECH®

Revolutionary Optical Tracing with Unbelievable Results

Briot has developed the first optical tracing system capable of using just one reference point to recreate the 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.

No Demo Lens? No Problem with Optical Frame Tracing

Another industry first, the optical frame tracing system developed by Briot allows you capture the shape of the frame in the rare occurrence that a demo lens is not available.

Intelligent Drilling

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

Digital Lens Clock

The new Digital Lens Clock feature measures the front base-curve of the lens in a matter of seconds.

The Alta Evolution then uses this data to achieve a perfect finish.



Intelligent Shape Smoothing

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





THE NEXT EVOLUTION OF THE TRACER/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 Alta Evolution, you can edge every lens with complete confidence.



Patented Technology Delivers Perfect, Parallax-Free Blocking

Briot has developed a new technology that enables consistently faster blocking while eliminating negative influences such as parallax and light reflections to deliver perfect blocking results.



More Comprehensive Measurements Mean More Accurate Blocking

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





THE NEXT EVOLUTION IN EDGING

Flexibility and Speed with New Whisper Quiet Technology

Edge faster and more efficiently with less noise using the Alta Evolution's new Brushless motor technology and ditch the need for a 220v power line.



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 Alta 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



Height	435 mm (17.1 in)
Width	325 mm (12.8 in)
Depth	305 mm (12 in)
Weight	11 kg (24.3 lbs)

ALTA 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



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

ALTA EVOLUTION | EDGER

- Finishing**
- Industrial Grade Brushless Motor for fast and quiet operation.
 - 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.
 - 5 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.
 - 5 different grooving modes including Percentage(default), Base curve, Controlled Bevel(manual), Automatic.
 - Front and backside safety bevel.

SPECIAL VERSION: ALTA EVOLUTION HC

- Includes a High Curve wheel for Sport and thicker plastic frames.
- Only available for pure plastic processing (no mineral)

Height	435 mm (17.1 in)
Width	325 mm (12.8 in)
Depth	305 mm (12 in)
Weight	11 kg (24.3 lbs)



ABOUT US

The Luneau Technology group, bringing together the Visionix®, Briot® and Weco® brands, is a major force in the market, with a range of equipment to cover all the Eye Care Professionals' requirements: Refraction and ophthalmic screening, lens inspection in industrial production and lens cutting at the optician's. Our aim has always been to provide you with the latest technologies to permit quicker screening for visual disorders and provide a better quality of life, with ever more effective equipment.



BVCert. 8566167



LUNEAU TECHNOLOGY OPERATIONS

2 rue Roger Bonnet, 27340 PONT DE L'ARCHE - FRANCE - Tel. + 33 232 989 132 - Fax + 33 235 020 294 - www.luneautech.com