

PATTERNLESS EDGER ALE-5100 SERIES

NEW



CONNECTING VISIONS

The Ultimate Finishing Lab Solution

The Ultimate Choice in Cutting-Edge Technology for Fast, High-Precision Accuracy and Unmatched Quality Finished Lenses.

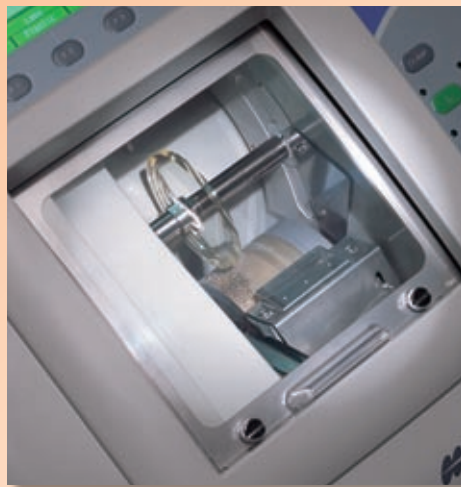
The ALE-5100 Series implements the latest advancements in lens processing technology. Improved features such as high speed processing, Diamond-Luster™ Polishing for rimless and beveled lenses, high precision frame tracing and individual cycle and processing settings for the different lens materials.

The ALE-5100 Series offer all the features the most demanding eyecare professional expects to provide and the highest quality finished product with today's latest lens materials and coatings.



ALE-5100C

- Versatility
- Speed & Accuracy
- Large Color LCD Screen
- Intuitive Functionality



SUPERIOR VERSATILITY

The ALE-5100 Series processes all materials with individual settings for plastic, polycarbonate, high-index, Trivex, acrylic, glass, photochromic glass and thinner hyperhigh index lenses. To minimize obsolescence, the WINDOWS™-format operating system allows us to incorporate processing of future lens materials by simple ROM upgrades. The on-board software memorizes sizing and bevel position parameters for individual materials. The one-block solution accommodates all frame eye sizes, base curves and even the most hydrophobic lens coatings. The ALE-5100 has addressed all the everyday challenges in the finishing lab. It allows for flawless and efficient operation of your staff and provides the ultimate finished product.



PRECISE EDGING CONTROL

The technologically advanced control system enables precise final fitting. The ALE-5100 Series automatically determines the ultimate bevel position no matter what lens power is being edged. The 3-D tracing is incorporated in the edger's calculation for bevel position at the thinnest and thickest edge portion of the lens and it is displayed on the color screen for precise confirmation of the bevel position.

SPECIALTY LENSES

The ALE-5100 Series automatically calculates the ideal bevel placement for specialty lenses such as executives, lenticular executive lenses.



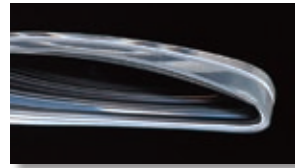


ALE-5100SG

- Grooving
- Safety Beveling



The ALE-5100SG has a unique multi-functional arm that provides accurate and precise grooving and safety beveling. The full range of controls provides selectable width and groove positioning and adjustable safety bevel settings. Even an inexperienced operator can achieve optimum results with the ALE-5100SG.



Unequaled Ease-of-operation

The large 10.4" color screen provides a clear and easily readable display. By using the intuitive Windows[®]-format style menu, the operator can quickly enter all the required data. The color screen displays both the right and left shapes in their actual-size, which allows for quick verification of the lens size.



Convenient Pop-up Display



Job Memory

As a standard feature, the ALE-5100 Series can store up to 2000 jobs through the Function Keys. An optional bar-code reader is also available.



ALE-5100HC

- High curve lens edging up to base curve 9
- Perfect finish for wrap-around frames
- Small diameter wheels for perfect edge
- Perfect finish of small lenses

The ALE-5100HC offers unique features for edging of High Curved lenses. Where "normal" edgers perform well on lenses up to a maximum of base curve 5 or 6, the ALE-5100HC goes up to base curve 9.



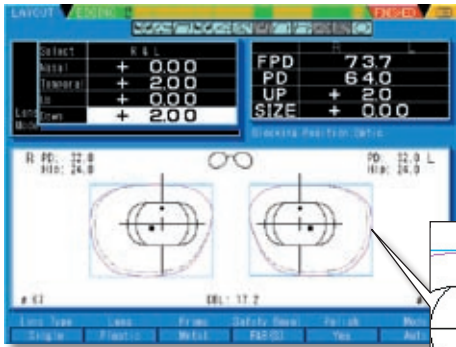
Dedicated small diameter wheels are incorporated to obtain the best edging result on high curved lenses. For small lenses these wheels supply superb lens finishing and bevel positioning as well.



Lens edged with dedicated high curve wheels; resulting in not distorted bevel and smooth finishing are the results

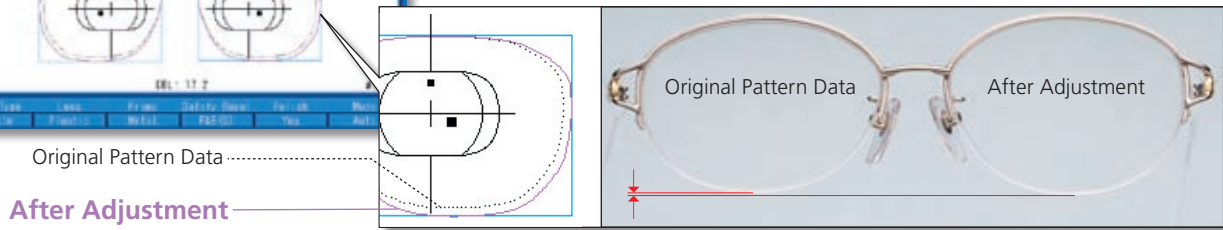


Lens edged with large wheels; distorted bevel due to mechanical limitations of the large edging wheels



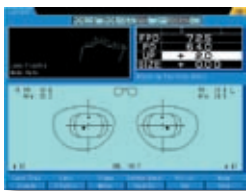
Pattern Designer Software (Optional for C-version)

The optional pattern designer software allows the operator to alter the lens final shape to customize 3-piece rimless frames. This operating software can increase or decrease the nasal and temporal sides. Ideal for accommodating progressive lenses to patients's decentrations. Alterations can be made in up, down, left and right direction, as well as on a selectable point on the lens circumference.



Stages of Operation

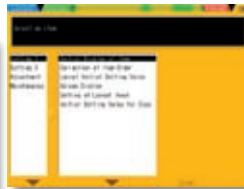
Different screen colors are used on the display to indicate the various stages of operation. The WINDOWS[®]-format multi-task job function allows for multiple job processing.



Layout (Blue Screen)
Work order is entered.



Edging (Green Screen)
Displayed during edging process



Menu (Yellow Screen)
Appears when the menu settings are selected.



Finished (Red Screen)
Indicates that the edging process is completed.



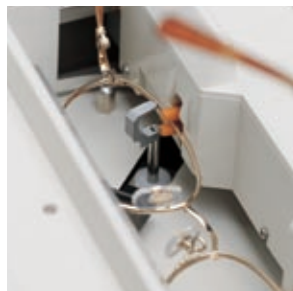
Bevel simulation (Green Screen)
In the Manual Mode, the operator can adjust the bevel position at will. The ALE-5100SG provides adjustment of groove position as well as control of safety bevel placement.

FR-50

The FR-50's precise 3D tracing system features a fully hands-free scanning device that reads 2,000 points of reference per eyewire, which provides "watch-making" accuracy. Its automatic Soft-Touch[™] frame positioning mechanism prevents frame distortion and aberration of frame dimensions.

Automatic Frame Holder

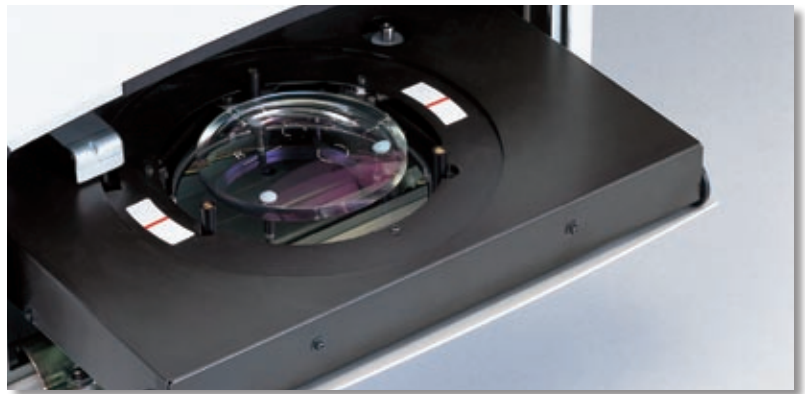
The one-touch frame holding system secures the frame for perfect "on-axis" tracing.



Remote Tracing Capability

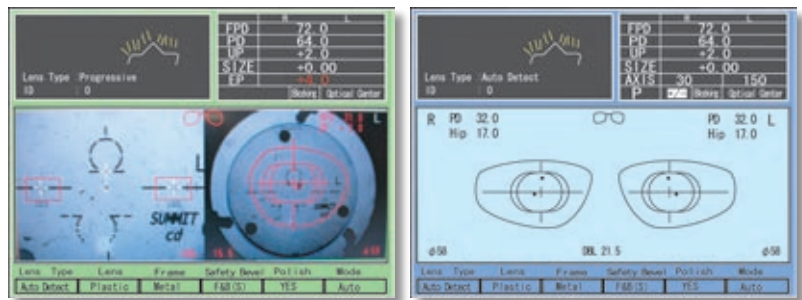
Since the FR-50 is a stand-alone instrument, it can be ideally used as an integral part of a remote tracing system. The OMA protocol, which is incorporated into the FR-50's operating system, allows the device to be used with the most popular remote tracing software packages.

Optional Accessory



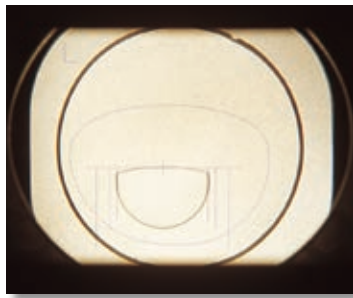
DS 7000 Automatic Lens Analyzer/layout Blocker

The autoblocker executes the proper decentration; the optical center and axis for single vision lenses, the segment of bifocal lenses, and the printed or hidden markings for progressive lenses. The new DS-7000 technology achieves the blocking process with the greatest precision imaginable. The DS-7000 prevents costly operator errors and eliminates wasted time. The operator can observe on real-size lens projection scratches or lens imperfections, in addition to actual lens displacement prior to blocking.



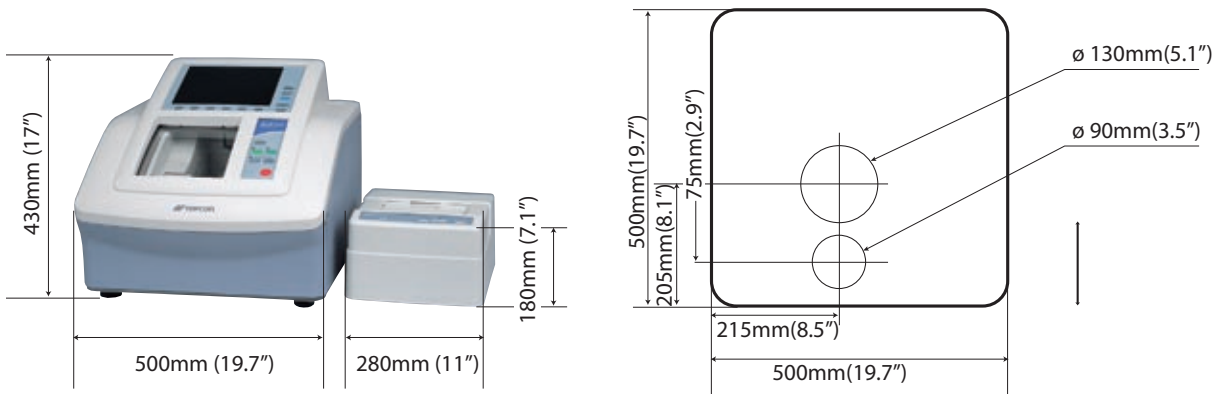
DS 5000 Integrated Blocker

The semi-automatic DS-5000 displays the finished lens shape and the position of the optical center. Simply block the lens according to the display layout, based on decentration data from the ALE-5100.



Specifications

PATTERNLESS EDGER	ALE-5100C	ALE-5100SG	ALE-5100HC
• Polish (Rimless) for All Organic Material	O	O	O
• Polish (Bevel) for All Organic Material	-	O	O
• Groove	-	O	O
• Safety Bevel	-	O	O
• High curve edging	-	-	O
• Processing System	Patternless / Rimless		
• Processing Modes	Automatic / Manual		
• Lens Diameter	28-95mm (Top and Bottom Rimless Frame, 18-95mm / Beveled 20-95mm)		
• Dimensions	500(W) x 530(D) x 430(H)mm		
Weight	47kg	50kg	50kg
Power Consumption	650VA		
FRAME READER	FR-50		
Measuring Method	Automatic Single / Binocular Readout		
• Tracing Method	Automatic / Semi-Automatic(Measures: Frame / Pattern / Sample Lens / Beveled Lens)		
Measuring Range	Diameter : 90mm (Top & Bottom w/Frame : 24-60mm, w/Pattern : 18-60mm)		
Dimensions	280(W) x 280(D) x 180(H)mm		
Weight	8kg		
Dimensiones	200 (Anc.) x 220 (Fond.) x 410 (Alt.) mm		
DATA TRANSMISSION			
Protocol	Topcon Protocol OMA Protocol		



Required installation space and holes



IMPORTANT

Subject to change in design and/or specifications without advanced notice.

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

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