The Enhanced Exxpert Edger offers step-beveling for high wrap sports goggles at an affordable price. The adaptive chuck position sensor keeps lenses from slipping. Equipped with a stronger stepping motor, the HPE-8000X offers longer durability. Unlike the 8000, this new edger operates on a belt driven spindle, as well as provides advanced polishing quality.

- 11 different edging types: bevel, rimless, grooving, mini bevel, variable asymmetric bevel, variable semi-U bevel, step bevel, partial bevel, partial grooving, dual grooving, hybrid grooving
- Direct DCS (OMA) import including frame shape, FPD, finishing style, lens material, drill coordination, and more. Maintaining DCS (OMA) files in folder format removes all concerns of file name duplication
- Easy Click: Easiest way to create Chemistrie clips
- Scan & Cut provides the user with the freedom to create custom shapes
- 3 different feeling positions (normal, frame change, shortage check) with 3 different modes (both sides, front-only, rear-only) and 1 option (feeling after roughing)
- Hydrophobic mode – setting all the edging options for axis-safe cutting with one click
- 6 different types of edging positions: auto, manual, base curve (absolute), percent, front offset, rear offset
- Predefined levels of pressure control - High Pressure, Mid Pressure, Low Pressure - and manual input of 50 - 150%
- 4 types of retouch options: size, polishing, grooving & safety bevel
- Any of the edging options accidentally missed may be added and processed in the retouch mode. Grooving retouch can be turned off to make it shallower. Asymmetric and Step Bevel can also be retouched
- Retouch support for the latest 3 jobs
Updated and enhanced, the Exxpert-810 makes edging lenses even easier. Graphics make beveling easier by showing detailed images of the beveling process. Take advantage of the faster processing time and ability to edit new jobs while the edger is in progress.

- 1GHz CPU supports next job editing during current job processing
- Supports faster edging by 30% and drilling by 40% compared to the previous model (HPE-7000)
- Bevel height is customizable for frames with short groove depth & produces lenses which fits perfectly in its frame. (Min 0.1-Max 0.8mm)
- Processes even concave shapes on lenses within a range of wheel curvature
- Chemistrie clip editing function allows far & near sight glasses, and even sunglasses, to be used on a single frame. The entire process can easily be done with a single click on a user friendly UI
- 3D simulation supports easier bevel/groove positioning. Auto positioning function reads frame & lens curve automatically & determines the best position of the bevel/groove. Manual positioning allows opticians to manually position bevel/groove for the best result
- High power motor makes HPE-810 more powerful and leads to 40% reduction in processing time from the previous model. Easy hole editing management and high power motor creates a great combined effect for rimless glasses
- As designs of glasses are diversifying, demands for edgers capable of processing these designs are increasing the Scan & Cut function that supports these demands without restrictions
- Tiltable drill for high curve lenses: Range of 0°-30° supports excellent hole processing for all kinds of high curve lenses
- Bidirectional Feeling & Processing Time Reduction: Bidirectional feelers of the edger’s improved configuration are more durable. Simultaneous feeling of front & back sides and reduces lens thickness recognition time by a maximum of 50%

*OPTIONAL - External drill unit provides fast and accurate high speed drilling that supports high curve lenses and drill mount frames
A one-stop solution, combining the functions of a tracer, lensmeter, and auto blocker into one powerful machine. Fully automated lens centering and blocking at the push of a button. Just place the lens in position and the HAB-8000 will do the rest.

- Instant automatic lens recognition
- Integrated high performance lensmeter for accurate reading of SPH, CYL, and AXIS
- Lenses displayed on screen by 1:1 ratio in real time and size
- Digital Pattern Layout allows users to modify shape width, height, and circumference to manage the fitting challenges posed by rimless and semi-rimless frames with ease
- User friendly touch screen and graphical interface make processing easy for all operator skill levels
- Fast and easy rimless/semi-rimless hole editing functions with "drag & drop" feature
- Hole detection with digital scanning of demo lenses and patterns
- Stereoscopic scan technology provides accurate tracing of high curve frames
- Capable of reading and digitally filtering 16,000 points of shape data to ensure maximum accuracy
- Fully automated lens centering and blocking with motorized arm for block placement
- Storage drawer for lens blocks and tools
- Sliding dust cover for frame tracer to ensure durability and precision
- Traced frame data and other key changes are transmitted to the edger in real-time
**HDM-8000 DRILLING UNIT**
Superior performance and ease-of-use

- New systematic data profiling algorithm significantly reduces job processing time
- Process and cut your next lens while drilling is in process with Smart Job Manager software
- Automatic door safety sensor will not allow the unit door to close until hands are clear during loading and unloading of lenses
- Sleek design allows for a smaller footprint
- Removable waste drawer keeps the working environment clean

**HFR-8000 TRACER**
Fully automatic 3-Dimensional tracing

- Stereoscopic scan technology provides accurate tracing of high curve frames
- Fast and adaptable tracing for all frame materials
- Accurate scanning of concave shape, sharp edge and narrow frames
- Capable of reading and digitally filtering 16,000 points of shape data to ensure maximum accuracy
- Left-Eye, Right-Eye, or Complete tracing modes
- Slide cover to prevent dust accumulation
- Real-time automatic data transfer to edger
Introducing a new addition to the already impressive Excelon family of finishing equipment, the HPE-410 Excelon Lens Edging System. The new HPE-410’s design is fresh and modern. Its revolutionary features were designed to keep up with the eye care professionals’ finishing demands. This machine comes enhanced with a stronger wheel with longer durability, and eliminating lens slippage with an adaptive lens chuck and position sensor.

- 8 different edging types including bevel, rimless, grooving, mini bevel, partial bevel, partial grooving, dual grooving and hybrid grooving
- 6 types of edging positions including auto, manual, base curve (absolute), percent, front offset and rear offset
- Supports bar code reading
- External memory capabilities for SD Cards
- 9.7” LCD touch screen with 1024px X 768px image resolution

Hydrophobic mode sets all the edging options for axis-safe cutting with one click of a button.

*OPTIONAL - External drill unit provides fast and accurate high speed drilling that supports high curve lenses and drill mount frames.
• 4 types of retouch options including sizing, polishing, grooving and safety bevel
• Retouch up to 6 of the latest jobs; 6 single sided edges or 3 double-sided edges
• Direct DCS (OMA) import saves time and file duplication concerns by skipping the conversion step
• Multiple job handling and concurrent processing allows the user to manage jobs that have been paused, completed, and saved, or jobs currently being processed. User is able to prepare the next edging task while the edger is in process

Available with tracer built-in or as a separate add-on

Combine with any compatible Excelon or Exxpert Tracer and Blocker for a complete solution customized to meet your finishing needs.
MANUAL BLOCKER
CBK-4000
Compact, simple and easy to use
• Small footprint
• Simple controls and functionality
• Economical blocking solution

SMART SEMI-MANUAL BLOCKER
HBK-7000
Easy touch performance with ease-of-use
• Intuitive and well-arranged graphic icons
• Touch screen
• Wide high-resolution LCD display
• Auto-balancing lens support and lens holder
• Lens, frame or job storage by using SD card slot
• LED lamp provides ample illumination

TRACER
CFR-4000
Fully automatic 3-Dimensional tracing
• Automatic initialization
• Fast and adaptable tracing for all frame materials
• Capable of reading and digitally filtering 16,000 points of shape data to ensure maximum accuracy
• Left-Eye, Right-Eye, or Complete tracing modes
• Save up to 300 frames with available barcode recognition
• Real-time automatic data transfer to edger
The HLM-9000 Auto Lensmeter is the perfect addition to any Exxpert or Excelon system. One of a kind, the HLM-9000 measures the harmful effects of LED screens by utilizing the Blue Light Filtration Measurement function. Increase total practice efficiency and enhance the total experience with the HLM-9000, using Hartmann Sensor Wavefront Analysis Technology to maximize accuracy in multi-focal & high curved lenses. Other features include wireless communication, full compatibility with all EMR systems and full three year warranty.

- Blue light filtration measurement
- Hartmann sensor wavefront analysis technology
- Wireless communication
- Multi-focal lens measurement
- Improved accuracy with green light beam
- Auto lens recognition
- Contact lens measuring kit
- UV measurement
- 7” color LCD display
- Wide tilting angle
- Intuitive prism direction
- Simple GUI
- Minimized gap between PD bar & nose
- Auto cutting printer
- Extra storage

Combine with any compatible Excelon or Exxpert Tracer and Blocker for a complete solution customized to meet your finishing needs.
FINISH BLOCKING PADS

3M™ LEAP™ LSE
For AR & Super Hydrophobic lenses
#306812 1000 roll (18mm Oval)
#306822 1000 roll (24mm Round)
LEAP LSE edging pads are made of a specially formulated adhesive designed to improve the edging of today’s new hydrophobic “non-stick,” low surface energy coated lenses. Designed to adhere to hydrophobic coatings, while maintaining axis stability. Dual Adhesive System: Each side (front and back) of the 3M LEAP LSE pad uses a different adhesive.

- Torque (slip) resistant
- Conformable for all types of lens styles and base curves: low edge lifting
- Adheres to super hydrophobic coated lenses
- Finished good for ophthalmic industry
- For use during edging or finishing of ophthalmic lenses

3M™ LEAP™ III
For Uncoated & Hard Coated lenses
#8050195 2000 roll (24mm Round)
#8048500 1000 roll (24mm SQUARE)
#301411 1000 roll (18mm Round)
#301421 1000 roll (18mm OVAL)
Recognized by optical labs worldwide as the bench-mark for quality lens edging pads. Offers excellent slip resistance for fewer errors, less waste, and improved productivity.

- Excellent torque resistance and adhesion
- Clean removability
- Double tabs

HYDRO ELITE GOLD
For AR & Super Hydrophobic lenses
#333141 1000 roll (24mm Round)
#333231 1000 roll (22mm Round)
#333211 1000 roll (18mm Round)
#333171 1000 roll (18x29mm Half)
Offer outstanding torque resistance to eliminate axis problems during edging. Superior adhesion to all lens treatments including super hydrophobic and oleophobic lenses.

- Removes cleanly without residue
- Conforms to all lens curves
- No cure time needed

SECUREDGE® PLUS
For AR & Super Hydrophobic lenses
#300921 2000 roll (24mm Round)
#300951 2000 roll (24mm SQUARE)
#300931 1000 roll (18mm Round)
#300941 1000 roll (14x18mm SEMI RD)
#301221 2000 roll (20x30mm OVAL)
Dual adhesive system offers a unique adhesive for slick coating surfaces on one side, but adheres to the block and removes easily on the other.

- Soft foam surface conforms to any lens curve
- No lens dot, or anti-slip treatment required
- 15 minute cure time for best results

AVAILABLE IN MOST COMMON SHAPES AND SIZES
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3M logo and LEAP are trademarks of 3M. Securedge is a registered trademark of St. Gobain Plastics
Both the Exxpert and Excelon series of products utilize Modular Design and are compatible with each other, with few exceptions. This means you can create over 15 possible configurations to find the perfect balance of performance and price to fit the needs of your office or lab.
### TECHNICAL CHARACTERISTICS

#### TRACERS:

<table>
<thead>
<tr>
<th></th>
<th>HPE 8000X</th>
<th>HPE-810</th>
<th>HPE-410</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER</strong></td>
<td>100/120 VAC, 50/60 Hz</td>
<td>100/120 VAC, 50/60 Hz</td>
<td>AC 100-120V, 50-60Hz</td>
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<tr>
<td><strong>DIMENSIONS</strong></td>
<td>21.25″W x 19.5″D x 23.5″H</td>
<td>21.25″W x 18″D x 23.5″H</td>
<td>24″W x 22.5″D x 13.5″H</td>
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<tr>
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<td>121lbs /55kg</td>
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<td><strong>SYSTEM COMPATIBILITY</strong></td>
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<td>Barcode Reader</td>
<td>Bar Code System</td>
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#### BLOCKERS:

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<th>HAB-8000</th>
<th>HBK-7000</th>
<th>HMB-8000</th>
<th>CBK-4000</th>
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<td>100/240 VAC, 50/60 Hz</td>
<td>5V DC 3.5A</td>
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