COBURN TECHNOLOGIES

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FINISHING

EDGERS • TRACERS • BLOCKERS • LENSMETERS

EXXPERT

HPE-8000X LENS EDGER

The HPE-8000X, enhanced Exxpert edger, offers step-beveling for high wrap sports goggles at an affordable price, as well as an adaptive chuck position sensor to keep lenses from slipping. Equipped with a stronger stepping motor, the HPE-8000X offers longer durability, and 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

Step Bevel

Powerful & Tiltable Drill (0°-30°)

SCAN & CU
Process designs

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

EXXPERT

HPE-810 LENS EDGER

Hybrid Groove & Bevel Combined

Mini Bevel

Standard Bevel

Standard Groove

Standard Rimless

DCS (OMA) Import

T FUNCTION
without restrictions

Manual 3D Simulation

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.**

AUTOMATIC TRACER-BLOCKER HAB-8000X

Smart Job Management software allows you to process 4 jobs at the same time when combined with Exxpert edger and drill unit

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-8000X 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

Combine with any compatible Excelon or Exxpert Edger for a complete solution customized to meet your finishing needs.

DRILLING UNIT
HDM-8000

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

TRACER
HFR-8000

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

HPE-410

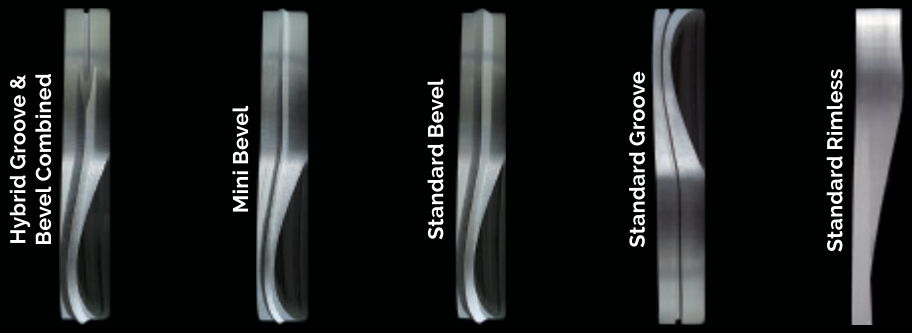
EXCELON LENS EDGER

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

Hydro-phobic mode sets all edging options for axis-safe cutting with the click of a button

ENHANCED, STRONGER & MORE DURABLE



- 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.

EXCELON
BLOCKERS & TRACERS

TRACER
CFR-4000
Fully automatic 3-Dimensional tracing

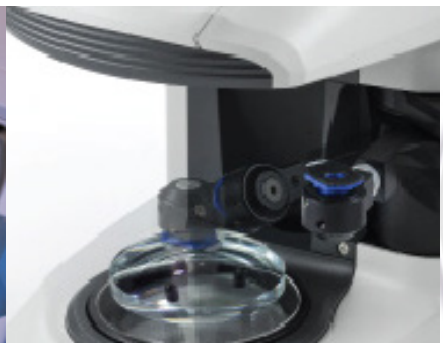
- Automatic initialization
- Fast and adaptable tracing for all frame materials
- Capable of reading and digitally filtering 16,000 points of shape data to ensure maximum accuracy
- Left-Eye, Right-Eye, or Complete tracing modes
- Save up to 300 frames with available barcode recognition
- Real-time automatic data transfer to edger

SMART BLOCKER
HBK-410
Improved performance, increased stability and smart technology

- Smart digital scanning technology
- Smart arm for easy loading of blocks
- Recognizes unique and traditional frame shapes and drill holes
- Tiltable LCD screen
- High resolution and sharp imaging capabilities allow for easy viewing of laser markings
- SD card storage of 16GB
- Barcode reader interface

MANUAL BLOCKER
CBK-4000
Compact, simple and easy to use

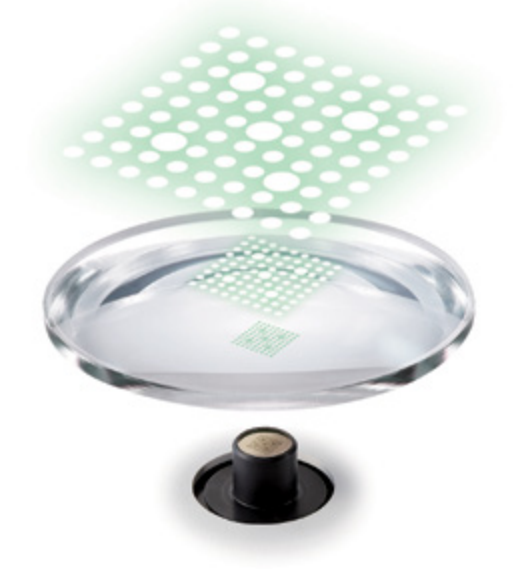
- Small footprint
- Simple controls and functionality
- Economical blocking solution



AUTOMATIC DIGITAL LENSMETER
HLM-9000

Sphere	0D~±25D (0.01/0.06/0.12/0.25)
Cylinder	0D~±10D (0.01/0.06/0.12/0.25)
Axis	0°~180° (1° step)
Add	0~10D (0.01/0.06/0.12/0.25)
Cylinder Mode	0 to ±10.00D (Mix/-/+)
Prism	0~20 (0.01/0.06/0.12/0.25)
Measurable Lens Diameter	ø20 to 120mm (Contact Lens : ø5 mm over)
Wavelength	545nm (Green)
Measurement Method	Hartmann Sensor
Contact Lens Measurement	Hard / Soft
UV Transmittance	0~100%
Blue Light Transmittance	0~100%
Display	Tiltable 7" Color LCD IPS panel (800x480) / Touch panel
Printer	Auto Cutting Printer
Interface	RS-232C / USB 2.0 Port / Wi-Fi (802.11b, 2.4GHz)
Dimensions	9"(W) X 9.5"(D) X 14.5"(H), 222(W) X 240(D) X 370(H)mm
Weight	12lbs, 5.4kg
Power Supply	100-240VAC~, 0.5-0.3A, 50/60Hz

HLM-9000



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

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

Search our complete catalog online at www.shopcoburn.com or request a catalog from a sales representative

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MIX & MATCH

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.

Exxpert Edger
HPE-810

Optional

Drill Unit
HDM-8000

Exxpert Edger
HPE-8000X

*Optional Tracer Integration
Excelon Edger
HPE-410

Auto Tracer/Blocker
HAB-8000X

Exxpert Tracer
HFR-8000

Excelon Tracer
CFR-4000

Smart Blocker
HBK-410
NEW

LED Blocker
HMB-8000

Smart Blocker
HBK-410
NEW

Manual Blocker
CBK-4000

WATER: ☐ Pump & Bucket HZ-WTB ☐ Direct Water Hook-Up (Adapter Kit)

TECHNICAL CHARACTERISTICS

EDGERS:

EDGERS	HPE 8000X	HPE-810	HPE-410
POWER	100/120 VAC, 50/60 Hz 200/240 VAC, 50/60 Hz	100/120 VAC, 50/ 60Hz 200/230 VAC, 50/ 60Hz	AC 100-120V, 50-60Hz AC 200-230V, 50-60Hz
DIMENSIONS	21.25"W x 19.5"D x 23"H 540 x 472 x 580mm	21.25"W x 18"D x 23.5"H 540 x 462 x 597mm	24"W x 22.5"D x 13.5"H 603 x 570 x 340mm
WEIGHT	113lbs /51kg	121lbs /55kg	104lbs /47kg
SYSTEM COMPATIBILITY	8000 Series	8000 Series	8000 Series
OPTIONS	Barcode Reader Optional Drill Module	Bar Code System Optional Vacuum Interface Optional Scan & Cut Function Integrated Drill Module	Bar Code System Integrated Tracer Module Optional Drill Module

TRACERS:

TRACERS	HAB-8000X	HFR-8000	CFR-4000
POWER	110/220 VAC, 50/ 60Hz	110/220 VAC, 50/ 60Hz	110/220 VAC, 50/ 60Hz
DIMENSIONS	12"W x 19"D x 22"H 300 x 470 x 560mm	11"W x 13"D x 7.5"H 284 x 320 x 190mm	11"W x 11.75"D x 9"H 280 x 300 x 230mm
WEIGHT	51 lbs /23 kg	20 lbs /9 kg	20 lbs /9 kg
SYSTEM COMPATIBILITY	410 Series (Tracer/Blocker) 810 Series (Tracer/Blocker) 8000 Series (Tracer/Blocker)	410 Series 810 Series 8000 Series	410 Series 810 Series 8000 Series

BLOCKERS:

BLOCKERS	HAB-8000	HBK-410	HMB-8000	CBK-4000
POWER	110/220 VAC, 50/ 60Hz	100/240 VAC, 50/ 60Hz	5V DC 3.5A	100/240 VAC, 50/ 60Hz
DIMENSIONS	12"W x 19"D x 22"H 300 x 470 x 560mm	9"W x 11"D x 17"H 236 x 268 x 422mm	7"W x 7"D x 8"H 177 x 184 x 206mm	5"W x 7.5"D x 9"H 130 x 190 x 230mm
WEIGHT	51 lbs / 23 kg	18 lbs / 8 kg	4.5 lbs / 2 kg	9 lbs / 4 kg
BLOCKING SYSTEM	Fully Automatic	Semi Automatic	Manual (LED Light Source)	Manual
SYSTEM COMPATIBILITY	410 Series (Tracer/Blocker) 810 Series (Tracer/Blocker) 8000 Series (Tracer/Blocker)	410 Series 810 Series 8000 Series	410 Series (Tracer/Blocker) 810 Series (Tracer/Blocker) 8000 Series (Tracer/Blocker)	410 Series 810 Series 8000 Series

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