

EXPERT Finishing System

Digital Pattern and Drilling Technology

What is the EXPERT Finishing System?

The EXPERT system is the next generation of Coburn Technologies popular Excelon series. An all-inclusive, high-performance system; EXPERT has been designed to offer a wide array of features desired for in-house lens finishing. This series offers the largest selection of specialized and common bevel options in its class, and includes high-speed milling, drilling, real-time lens analysis, precise bevel adjustment, outstanding polish quality and more, all with a 3-year warranty.

How long will it take my staff to learn how to use the EXPERT finishing system?

The EXPERT Finishing System has intuitive software and a large 10.5" user friendly touch screen that makes it easy to learn. Coburn teaches users how to master the EXPERT system in two or three days, but employees with finishing experience have reported learning the new machines and producing lenses in around fifteen minutes.

I'm worried about the cost of a new finishing system. Can I afford the EXPERT Finishing system?

Through modular finishing technology the EXPERT system offers all of these top-level features for professional level finishing while keeping the price more affordable than comparable systems. Coburn offers many configurations of finishing system with a wide range of features all available in low monthly payment plans to match your needs and your budget.

What if I have problems with my EXPERT machines?

As with any new systems, any questions or glitches will be quickly resolved through Coburn's experienced service group. Coburn has service representatives all over the world with the largest concentration in the United States. Many of Coburn's technicians have 20 years of experience in the industry and specifically finishing and can solve any problems faster than expected.

Can the Exxpert Auto-blocker block all lenses?

The EXPERT HAB-8000 can automatically center single vision, bifocals and PALs. The majority of the brand lenses currently on the market will be automatically recognized, and all can be blocker manually. EXPERT System owners routinely use their machines to block single vision, flat top bifocals, progressive, rimless, CR-39, polycarbonate, Trivex® and even lenses with super hydrophobic AR coating.

What lenses cannot be done on the EXPERT Auto-Blocker?

Whereas the majority of the brand lenses currently on the market are already in our database, if you are working with a lens that is not automatically recognized you can block it manually and quickly with little interruption to your workflow.

How long does it take to recognize, identify and analyze a lens?

Typically, the EXXPERT Auto-Blocker will instantly recognize and identify a lens, and will analyze a lens in less than five seconds. However, depending on the type, prescription and material of the lens, the process could take a few more seconds.

Can I modify the frame shape on the tracer?

Yes, the EXXPERT Auto-Blocker's "Digital Pattern Layout" menu allows you to modify lens width, height and circumference. This feature enables the users to manage any fitting challenges posed by rimless and semi-rimless frames.

How many shapes can I store in the memory of the Auto-Blocker?

The EXXPERT Auto-Blocker uses removable storage, so you can fit as many as the size of the memory cards you are using will allow. More than one memory card can be used to store as many shapes as desired. (Standard memory card holds approximately 1,000 shapes)

Do I need to measure drill coordinates and input them into the system?

The EXXPERT Auto-Blocker automatically recognizes both the demonstration lens and drill holes. You can then zoom in to confirm the position and diameter of the holes.

What is the smallest frame size I can trace with the EXXPERT Auto-Blocker?

The Auto-Blocker accurately traces frames with B dimensions to 18 mm.

What is the lens power range of the EXXPERT Auto-Blocker?

The Auto-Blocker accurately measures and automatically blocks +/- 10 D, 6 CYL.

How does the EXXPERT Auto-Blocker trace for rimless?

You can either scan the job into the system digitally or use a special attachment that is available to trace/input manually.

Is the EXXPERT Auto-Blocker compatible with the other Excelon edgers?

Yes, the EXXPERT Auto-Blocker can be used with both the Excelon 4000 and 7000 (XD-XQ) series edgers. The EXXPERT Auto-Blocker is also available in white to fit the color scheme of the Excelon series edgers. (Note: the EXXPERT Auto-Blocker is not compatible with the Excelon EZ system)

Is the EXXPERT Edger compatible with the other Excelon Tracer Blockers?

Yes, the EXXPERT 8000 series edger can be paired with the CFR-4000 (Tracer), the HBK-7000 (Smart Blocker), and the CBK-4000 (Manual Blocker). (It is not compatible with the Excelon EZ Tracer/Blocker)

Is the EXXPERT Drill Module compatible with the other Excelon edgers?

No, the EXXPERT Drill Module is only compatible with the EXXPERT 8000 series edger.

Can I do direct water hookup in lieu of a pump/tank when using the EXXPERT system?

Yes, either a direct water hook-up or pump tank may be used. Note that you will need a plumber to arrange for direct water.

What materials can the EXXPERT finishing system process?

All EXXPERT 8000 series edger can process plastic, polycarbonate, hi-index and Trivex. No glass.

Can you change the A or B dimensions on the lens before edging with the EXXPERT system?

Yes, you can increase or decrease the size of both the A and B dimensions together or separately.

How many jobs can I process at once with the EXXPERT system?

The modular finishing technology and Job Management software within the EXXPERT system allows each part of the system to be used at the same time (Tracing, Auto-Blocking, Edging and Drilling). Therefore you can be processing up to four (4) jobs at the same time.

How long does it take to process a drill job with the EXXPERT system?

Cycle times vary based on the material, size, and treatments chosen for the specific job. An average time for common jobs is 3-5 minutes.

What are the main differences between the EXXPERT System and the Excelon Systems?

The key features of each edger are as follows:

Excelon EZ

- Excelon EZ is ideal for an entry level and budget conscious buyer
- Excelon EZ can easily process small “B” dimensions for the latest frame fashions
- Excelon EZ offers polishing and is paired with the CFR-3000 (included in the EZ system) for simultaneous tracing, blocking and edging

Excelon

- Excelon offers safety beveling and grooving
- Excelon has an 8.25” LCD displaying intuitive and user friendly software
- Excelon has frame trace storage and barcode support

Excelon XD/XQ

- Excelon XD/XQ offer the highest performance, highest value and the most feature rich lens edgers in the Excelon product line
- Excelon XD/XQ have dual CPU that ensures faster processing cycle
- Excelon XD/XQ features an LCD with a touch screen running intuitive, user friendly software
- Excelon XD’s integrated drill module provides fast and accurate high speed drilling with up to 30 degrees of mobility to support high curve lenses and drill mount frames
- Excelon XQ can be easily upgraded to an Excelon XD through the installation of a drill module

EXXPERT

- EXXPERT offers virtually every feature available and the widest range of finishing functionality
- EXXPERT includes accelerated long-life milling technology specifically designed to avoid slipping in AR and delicate lenses and high speed milling with longer bit life
- Specifically designed to avoid slipping in AR and delicate lenses
- Robust milling allows for longer milling bit life and high speed (20-30% faster than Mr. Blue)
- EXXPERT provides a step function for high-wrap sports frames
- EXXPERT's external drill module provides fast and accurate high speed drilling with up to 30 degrees of mobility to support high curve lenses and drill mount frames, external operation means no interruption with edging, blocking or tracing
- EXXPERT features a high-definition touch screen (10.5”) running smart, user friendly software to control a range of finishing features automatically
- EXXPERT’s Auto-blocker offers an extraordinary user-friendly feature set, high-speed operation, and simply unmatched performance in lens recognition/analysis, auto operation or customization of the analysis, blocking and tracing processes