

# ECLIPSE SURFACE BLOCKER™

AUTOMATIC MATERIAL FILL  
WITH OVERFLOW SENSORS

TURBO CHILLING CHAMBER

AUTOMATIC BLOCK AND  
LENS DETECTION SYSTEM

Eclipse is the latest state-of-the-art surface blocking system in Gerber Coburn's broad line of lens processing products. Eclipse offers standard layout and blocking features, higher throughput, plus several new features such as: **Automatic Material Fill with Overflow Sensors, Turbo Chilling Chamber, and Automatic Block and Lens Detection System.**

Eclipse is available in several configurations—it dispenses either FreeBond™ Wax or alloy and employs Gerber Coburn's standard pin blocks or AcuBlock™ blocks. And Eclipse is easy to use. With its automatic one-touch blocking feature, operators block and chill the lens in one simple step, further consolidating the surface blocking process.

➤ **10" View Screen** magnifies the downloaded job information and frame data and displays a computer-generated lens alignment template with no grid lines to obscure targets. Custom alignment templates are displayed for each lens type and may be changed for specific lenses. Accurate, automatic setup eliminates marking equipment, supplies, and labor.

➤ **Internal Front Lens Camera** displays the front side of the lens being laid out. This "parallax-free" viewing system ensures precise lens-to-target alignment by eliminating through-power distortion of images.

➤ **Block Adaption System** allows labs to use their current inventory of blocks without investing in new blocks eliminating retooling costs. The operator inserts the block in the chill ring and aligns the lens over the displayed targets. Positioning on the blocking ring, 180° axis alignment, and block rotation to the cylinder axis are automatic.

➤ **Automatic Block and Lens Detection System** alerts the user if a lens or block is not detected before blocking is initiated, assuring that all components are in place before initiating the blocking process.

➤ **Small Diameter Blocking Fixture** allows lenses to be generated and cribbed to 45mm without inducing any error or interference at the generator. With this new fixture, labs can process a full range of lenses.

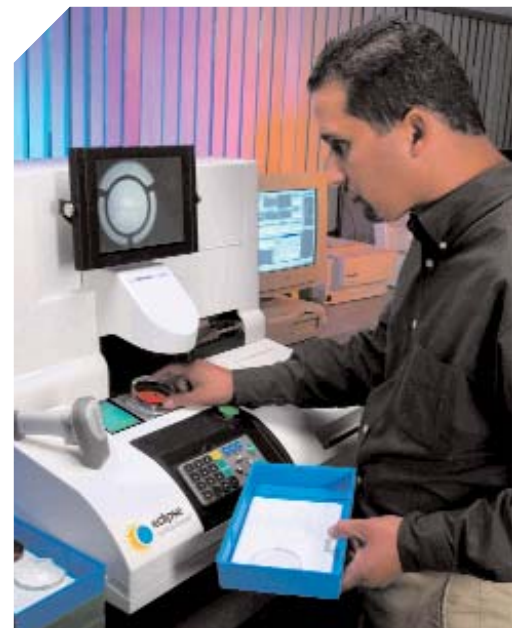
➤ **Multiple Material Configurations** enable labs to choose units that dispense either Gerber Coburn's FreeBond Blocking Wax Compound or 117° alloy. Depending on the unit's configuration, wax or alloy is injected between the lens and block.

➤ **Interactive Material Filler** (turbo wax model only) uses a pre-melter to drip liquefied wax into the material reservoir. The auto material sensor activates and deactivates the pre-melter to prevent a reservoir overflow and prompts the system to display an on-screen warning message indicating low material levels. With this new technology, material liquefaction is instantaneous and reservoir temperatures remain consistent, assuring continuous operations.

➤ **Automatic Material Fill with Overflow Sensors** automatically start and stop the flow of the blocking material, eliminating material overflow and making for simple, smooth blocking and de-blocking of lenses.

This feature also allows the operator to position the next lens for alignment or to download the next job. The blocked lens is automatically released when the cycle is complete.

➤ **Turbo Chilling Chamber** (turbo model only) reduces the time required to block lenses by 50%, increasing throughput up to 120 lenses per hour with the Freebond model and up to 100 lenses per hour with the alloy model. The turbo chiller provides a reliable and consistent process for blocking lenses in any high-volume environment.



# ECLIPSE SURFACE BLOCKER

## TECHNICAL INFORMATION



	ECLIPSE TURBO	ECLIPSE LX
<b>POWER</b>	115 V, single phase, 50/60 Hz with ground, 10 Amp	115 V, single phase, 50/60 Hz with ground, 10 Amp
<b>ORDER NUMBERS</b>	<b>254789 – FreeBond model – standard</b> <b>254929 – Alloy model – standard</b> <b>255179 – FreeBond model – AcuBlock</b> <b>260329 – Alloy model – AcuBlock</b>	<b>258729 – FreeBond model – standard</b> <b>258739 – FreeBond model – AcuBlock</b>
<b>POWER</b>	230 V, single phase, 50/60 Hz with ground, 5 Amp	230 V, single phase, 50/60 Hz with ground, 5 Amp
<b>ORDER NUMBERS</b>	<b>254899 – FreeBond model – standard</b> <b>255039 – Alloy model – standard</b> <b>255429 – FreeBond model – AcuBlock</b> <b>261499 – Alloy model – AcuBlock</b>	<b>258749 – FreeBond model – standard</b> <b>258759 – FreeBond model – AcuBlock</b>
<b>AIR REQUIREMENTS</b>	80 psi clean, dry compressed air at 3 SCFM	80 psi clean, dry compressed air at 3 SCFM
<b>DIMENSIONS</b>	30" w x 27" d x 27 <sup>1</sup> / <sub>4</sub> " h 762 mm x 686 mm x 692 mm	30" w x 27" d x 27 <sup>1</sup> / <sub>4</sub> " h 762 mm x 686 mm x 692 mm
<b>WEIGHT</b>	125 lbs/57 kg – Wax model 161 lbs/73 kg – Alloy model	125 lbs/57 kg – Wax model
<b>BLOCK MATERIAL</b>	FreeBond or alloy	FreeBond
<b>LENS CAPACITY</b>	Up to 120 lenses per hour – FreeBond model Up to 100 lenses per hour – Alloy model	Up to 90 lenses per hour – FreeBond model
<b>BLOCK DIAMETER</b>	57 mm	57 mm
<b>COOLING SYSTEM</b>	Chiller with pump	Chiller with pump
<b>SYSTEM COMPATIBILITY</b>	Gerber Coburn equipment and Innovations™ laboratory software FreeBond model – Gerber Coburn standard pin blocks or AcuBlocks Alloy model – Gerber Coburn standard pin blocks Standard layout computer systems	Gerber Coburn equipment and Innovations™ laboratory software FreeBond model – Gerber Coburn standard pin blocks or AcuBlocks Standard layout computer systems
<b>SYSTEM COMPONENTS</b>	Starter supply of either FreeBond or 117° alloy Calibration accessories Operation and installation manual Small diameter blocking ring Bar code reader	Starter supply of FreeBond Calibration accessories Operation and installation manual Small diameter blocking ring Bar code reader
<b>OPTIONS</b>	Foot switch Prism thickness gauge Prism marker option Edged lens reblocking kit Block insert replacement kit Reverse slab-off kit Plus lens holder	Foot switch Prism thickness gauge Prism marker option Edged lens reblocking kit Block insert replacement kit Reverse slab-off kit Plus lens holder



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