



KAPPA^{SPX} EDGER

**AUTOMATIC OR CUSTOMIZED
BEVEL OPTIONS**

**THREE GROOVE WIDTHS FOR
OPTIMAL FITS**

**PATENTED SOFT PIN BEVELING
FOR LENSES DOWN TO 18 MM**

Kappa^{SPX} edges all lens materials—glass, CR39®, hi-index, polycarbonate, and Trivex® as well as edge polish bevels and flats with unmatched speed and accuracy. And for those delicate jobs with performance coatings, Kappa^{SPX} offers the exclusive EAS cycle—a special cycle for handling fragile or anti-reflective coated lenses. The Kappa^{SPX} edger now includes a host of new features including the Quick Release Clamp System for easy chuck removal, the Red Block for frame sizes down to 18 mm, and software that enables faster cycle times.

STANDARD FEATURES

➤ The **NEW Quick Release Clamp System** allows different size chucks to be easily removed and installed in the edger. A **NEW Red Block** is available for frame sizes down to 18 mm.



➤ One of three methods—**direct tracer connection, the edger keypad, or optional bar code reader**—can be used to call down a job and retrieve a shape. Two probes simultaneously map the contours of the lens' surfaces to determine lens curvature and edge thickness. This ensures proper lens cutout and optimizes both bevel and groove placement.

Placement can be automatic or the operator can make custom modifications. **NEW Software** enables faster cycle times, movement of axes, and mapping cycles, improving throughput by as much as 40%.

- Automatic bevel selection allows Kappa^{SPX} to quickly edge most lenses by calculating optimal bevel placement from the furnished data. More difficult or specialty lenses can be controlled using a number of customized bevel options including front curve, percentage, or a simple rimless.

- Three groove widths ensure an optimal fit. Kappa^{SPX} uses a patented grooving design to precisely locate grooves on very thin lenses and three groove widths and depths ensure an optimal fit. Compare groove quality, no other system can track a groove as consistently as a Kappa^{SPX} Edger.

- Patented, soft pin beveling feature accommodates all lens sizes including small frames down to 18 mm. Soft pin beveling eliminates the need for any manual pin beveling, reducing lens handling and decreasing the potential for spoilage or breakage. With this new feature, consistency, control, and quality greatly improve.

➤ **Automatic maintenance functions**—wheel cleaning, self-calibration, a statistics and technical log enable the operator to easily perform routine maintenance without technical assistance.

➤ **Kappa^{SPX}'s simple user interface** features intuitive icons, text, and color-coded messages for effortless operations. Its vertical design, high-definition screen, comfortable height, and viewing angle make Kappa^{SPX} the system of choice for everyday use.



 **GERBER COBURN**

Optical Manufacturing Systems

KAPPA^{SPX} EDGER

TECHNICAL INFORMATION

FEATURES

Automatic Edging and Polishing Patternless
Abrasive and Polishing Wheels 3 wheel system for plastics 4 wheel system for all materials
Bevel and Groove Options Fully automatic Customized front curve follow Customized percentage Flat edge (rimless) Fragile mode
Pin Beveling Options Front and back Back only Three selectable weights
Polishing Option User selectable
Lens Material Configurations Glass, CR39, hi-index, polycarbonate, and Trivex
Lens Mapping Simultaneously records front and back lens contours
Sizing Adjustable +8.00 to -8.00 mm
Lens Grinding Capacity Maximum: 105 mm Minimum: 18 mm (rimless), 19.5 mm (bevel)

SPECIFICATIONS

POWER	110 V, 60 Hz with ground, 5 Amp 230 V, 50 Hz with ground, 10 Amp (requires dedicated circuit)																
DIMENSIONS	21" w x 16" d x 22" h 535 mm x 410 mm x 568 mm (requires a 32"/814 mm working clearance height)																
WEIGHT	147 lbs/67 kg																
ORDER NUMBERS	<table border="0"> <tr> <td>110 V CR/Polycarbonate</td> <td>4M10185</td> </tr> <tr> <td>110 V All Materials</td> <td>4M10182</td> </tr> <tr> <td>220 V CR/Polycarbonate</td> <td>4M10085</td> </tr> <tr> <td>220 V All Materials</td> <td>4M10082</td> </tr> </table> Without Pin Beveling and Grooving <table border="0"> <tr> <td>110 V CR/Polycarbonate</td> <td>4M10115</td> </tr> <tr> <td>110 V All Materials</td> <td>4M10112</td> </tr> <tr> <td>220 V CR/Polycarbonate</td> <td>4M10015</td> </tr> <tr> <td>220 V All Materials</td> <td>4M10012</td> </tr> </table>	110 V CR/Polycarbonate	4M10185	110 V All Materials	4M10182	220 V CR/Polycarbonate	4M10085	220 V All Materials	4M10082	110 V CR/Polycarbonate	4M10115	110 V All Materials	4M10112	220 V CR/Polycarbonate	4M10015	220 V All Materials	4M10012
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ACCESSORIES	Edger cover Quick Release Posiblock chucks, 25 mm, 18 mm, 14 x 18 mm Quick Release Lens clamp, 25 mm, 18 mm, 14 x 18 mm Standard gauge Null modem Allen key Blocks—20 pack Half-eye blocks—10 pack Double-sided adhesive pads—200 roll Half-eye double-sided adhesive pads—200 roll Deblocking pliers Two dressing sticks Cleaning wheel Two spare fuses Two inlet pipes Waste water drain pipe Power cord Bar code reader Solenoid valve																
OPTIONS	All material recirculating filter system Direct water solenoid system																

08/04 Specifications subject to change without notification.

