Elektron
Computer Controlled Robotic Plotter-Cutter

The New Elektron Mono LC Sail Cloth Plotter.
Designed by sail makers for sail makers

The Aeronaut Elektron Mono LC is the new sail makers plotter-cutter from Aeronaut. The new rigid cutting head with Cam-lock tooling makes the Elektron Mono the best engineered and most versatile entry level plotter on the market.

The tangential blade steering motor is now fixed vertically, making the cutting action faster, stiffer and more accurate. And since the Elektron Mono can now take the full range of quick change Cam-lock tools, including a drill punch with ejector, there's very little the Elektron Mono can't cut.

Most other low-cost plotters on the market are not great for sail making… They are not powerful enough to cut heavy fabric, they are not accurate enough for detailed work, and they are not reliable enough for people with a budget. The Elektron Mono is a serious heavy duty machine with a chassis designed to span 6 metres and exceptional reliability.

Around the world, Aeronaut plotter-cutters are cutting sailcloth for everything from dinghies to 175' super-yachts. North Sails, Doyles, Ullmans, Quantum, Hyde, Sobstad, UK-Halsey and a host of other sail lofts around the world have all chosen Aeronaut plotters to get the job done.

Take a look at the quality and performance of the Elektron Mono LC, or talk to an owner of an Aeronaut plotter-cutter, and you'll realise this is the best machine a sail maker can buy as a working tool and as a business investment.

- Simple to use
- Repeatable high accuracy production
- High plot and cut speeds
- Lockable rotary blade
- 45, 28 and 18mm blades
- Cam-lock tooling
- Omniversal Pen holder
- Smooth and precise cutting
- Affordable purchase price
- Very low maintenance
- Easy servicing
- Compatible with most software and computers
- Cheap, widely available consumables such as blades and markers
- Quick installation
- Widely available spares
- Rigid guide extrusions
- Low-backlash Cat drive

Elektron Mono LC Plotter Cutter

Features
- Cam-lock tooling
- Rigid monoblock cutting head
- High performance plotting and cutting
- Tangentially steered cutting blade
- Lockable ball bearing rotary blade holder
- Pneumatically adjustable cutting pressures
- Available with and without vacuum table
- Runs from Macintosh or Windows PCs
- Quality robotic cables running in energy chain
- Close to zero maintenance
- Cutting widths up to 2050mm (80 inches)
- Cutting lengths up to 25m (82 feet)

Advantages
- Repeatable high accuracy production
- Rugged heavy-duty construction
- Off-the-shelf pens, blades, bearings and motors
- Concentric pen adaptors for accurate seams
- Very high cutting forces
- High Speed Operation
- Improved product quality
- Simple to use

Steered Cutting Tools
28mm (1.1") dia Rotary Blade Cutter (standard)
See the separate brochure on Cam-lock quick change tooling including 45mm, 28mm, 18mm rotary blades, drag blade holders, creasing tools and drill punches.

Marking Tools
Ball points, plastic tipped markers, pressurised markers, paint markers and the optional sign cutter are held in concentric holders in a precision heavy duty ball slide mount which is pneumatically operated. Flow controls stop tip damage on felt tips.

Max. Plotting/Cutting Speed
>1200 mm/sec (47 ips)

Drive System
25mm Cat belt drive system giving extremely low backlash and optimum power transfer. High torque Micro-Stepping Motors on X & Y axes.

Control Cabinet Dimensions
630 x 540x 250mm (25" x 21" x 10")

Cam-lock Quick Change Tooling

Available Cutting Widths (in LC configuration)
Any cut width up to 2050mm (80"). If fitted to an Aeronaut vacuum table, width increments are in 80mm (3.2") steps.
Up to 6 metres width available in WS configuration.

Available Cutting Lengths
Any cut length up to 20 metres. If fitted to an Aeronaut vacuum table, length increments are in 1200mm (4') lengths.
Up to 45 metres length available in WS configuration.

Options
Aluminium vacuum table in complete or kit form.
Vinyl Blade holder for logos, number & stickers.
Bull's eye laser pointer for digitising.
Remote joystick handset with membrane keypad.
Wireless joystick handset with membrane keypad.

Electrical Requirements
220-220 VAC, at 5 amps
100-120 VAC at 10amps

Compressed Air Requirements
1.5-7 bar @ < 7 l/min (25-80 psi @ < 0.25 cfm)

Specifications subject to change without notice.

Your Authorised Dealer: