



# *Elektron*

*Computer Controlled Automated Cutting System*



## **AUTOMATED ULTRASONIC & CRUSH CUTTING** **Elektron B1 Ultra.**

The Elektron B1 Ultra is a special purpose machine used for cutting and sealing the edges of synthetic fabrics where a clean, **fray-free finish is required**. Unlike conventional ultrasonic cutters, the Elektron B1 Ultra cuts all sides of a shape without moving fabric from the table, giving productivity improvements of better than 300%. Mistakes and waste are reduced, quality improved and you are not limited to just simple rectangular shapes.

Because the Elektron B1 Ultra is such a stiff and powerful machine, crush cutting tools can be successfully used on the ultrasonic table top. The ultrasonic tool can be exchanged in seconds for any standard Aeronaut bayonet tool including crush cutting and creasing tools, drag blades, rotary blades and reciprocating blade cutters.

All Elektron cutters can be fitted with automatic fabric feeding systems to pull material onto the cutting table without stress or distortion. The Elektron B1 Ultra can be supplied with a multi-zone table enabling ultrasonic, crush and blade cutting on the one machine making it the ideal choice for any factory looking for a complete automated cutting, and squaring solution on the one table.

Aeronaut automated cutting systems are Australian designed and manufactured for the best performance, price and the lowest maintenance. For a machine which is dedicated to ultrasonic or crush cutting, the Elektron B1 is the perfect choice for any window furnishings factory.

- Ultrasonic Cutting
- Ultrasonic Sealing
- Crush Cutting
- One steered tool holder
- Marker pen holder
- Laser pointer holder
- Optional drill punch
- Rotary blade tools
- Creasing tools
- Automatic fabric feeder
- Extremely versatile
- Future proofed
- Cut any shape
- Eliminate mistakes
- Reduce waste
- 10 second tool changes
- Reliable Elektron chassis
- Very low maintenance
- Easy servicing
- Affordable purchase price

## Product Specifications

### Features

- Ultrasonic tool cuts and edge-seals fabric
- Crush cutting on the same table top
- Heavy duty bayonet mount
- One tangentially steered bayonet tool holder
- Software adjusted digitally set tool pressures
- Wide range of bayonet mount tools available
- Omniversal pen holder accepts all markers
- Optional hole punch
- Multi-zone table option
- Integrated laser alignment pointer option
- Switchable vacuum area configuration

### Advantages

- Automated cutting of any shape hands-off
- No need to move the fabric between cuts
- Cut simple or complex shapes with ease
- Edge sealing on thin or thick fabrics
- Very Simple to learn and use
- Fabric feeder saves time and doesn't stretch fabric
- Multi-purpose machine does many jobs

### Steered Tools

High power ultrasonic tool fitted with a standard Aeronaut bayonet mount. Optional crush cutting and creasing tools.

### Other Tools

Ball point, pressurised ball point, paint and plastic tipped marker holders. Drill-punch with quick change punch inserts. Electric powered drills, mills and routers. Vinyl & Stencil cutting blades (in special holder.)

The Elektron B1 is also used in many other industrial textile applications, and can carry a wide range tools, powered and un-powered. Contact the factory for full details.

### Available Cutting Widths\*

1.6m (63")	2.7m (106")
2.0m (79")	3.0m (118")
2.4m (95")	3.3m (130")

\* Other widths available on request.

For minimum table width add 440mm (17.3").



### Available Cutting Lengths\*

2.4m (7.9')	6.0m (19.6')
3.6m (11.8')	7.2m (23.6')
4.8m (15.7')	9.6m (31.5')

\* Other lengths available on request.

Vacuum tables are normally fitted with extensions to allow the full vacuum bed to be used. Where extensions are not added, physical length is as above, & cut length is approx 400mm shorter.

### Electrical Requirements

220-240 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:

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