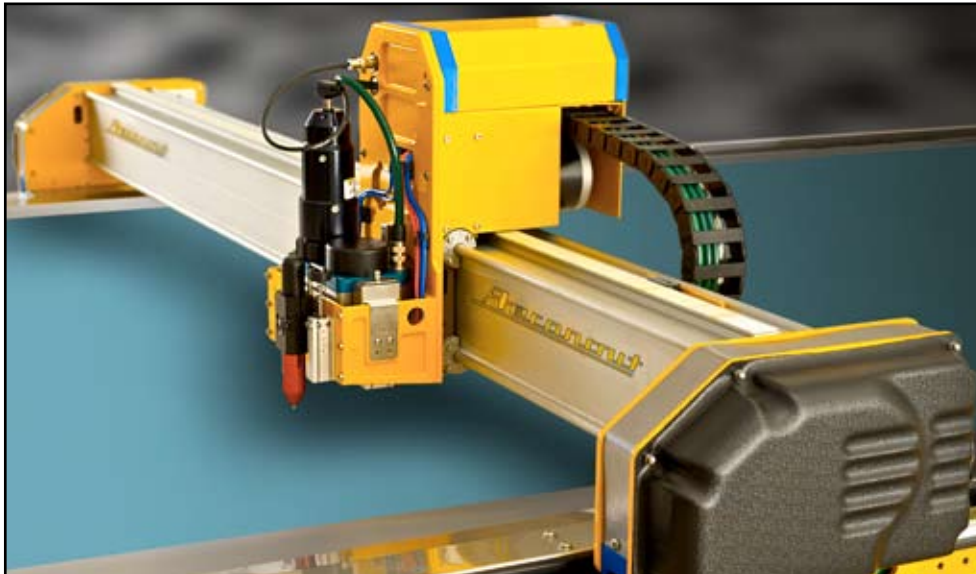




# *Elektron*

*Computer Controlled Automated Cutting System*



## **AUTOMATED ULTRASONIC CUTTING**

### **Elektron B1 Ultra.**

**The Elektron B1 Ultra is a special purpose machine used for cutting and sealing the edges of synthetic fabric.** Ultrasonic cutting is popular in the manufacture of window furnishings, window shades or blinds where a clean cut, fray-free cut edge is required. Unlike conventional semi-manual ultrasonic cutters, the Elektron B1 Ultra cuts all sides of a shape without moving fabric from the table... and you are not limited to just simple rectangular shapes. The Elektron B1 Ultra can also cut more than one pattern from a length of fabric, leading to productivity improvements of better than 300%. And of course mistakes and waste are reduced and quality improved.

The Elektron B1 Ultra is an Elektron B1 cutter fitted with an ultrasonic tool and generator, so the Elektron B1 is already a very capable machine, able to carry a wide range of bayonet mounted tools. The ultrasonic tool can be removed from the bayonet tool holder (a 10 second process) and exchanged for any standard Aeronaut bayonet tool including creasing and scoring tools, drag blades, rotary blades and powered tools such as reciprocating blade cutters.

The Elektron B1 Ultra can be supplied with a multi-zone table enabling ultrasonic and conventional blade cutting on the one economical machine.

For a machine which is dedicated to ultrasonic cutting, or for dual ultrasonic and blade cutting system where only cutting and marking is required (i.e. no automatic tool changes on a job), the Elektron B1 is the perfect choice.

- **Ultrasonic Cutting**
- **Ultrasonic Sealing**
- **One steered tool**
- **Marker pen holder**
- **Laser pointer holder**
- **Optional drill punch**
- **Rotary blade tools**
- **Recipro blade cutters**
- **Creasing tools**
- **Rolling blade cutter**
- **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
- One tangentially steered bayonet tool holder
- Heavy duty bayonet mount
- Wide range of bayonet mount tools available
- Omniversal pen holder accepts all markers
- Optional hole punch
- Multi-zone table option
- Digital pressure gauge option
- High cut pressure 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
- Multi-purpose machine does many jobs

### Steered Tools

High power ultrasonic tool fitted with a standard Aeronaut bayonet mount.

### 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.)

Since the Elektron B1 is also used in many other industrial textile applications, the cutter can also carry a wide range of other cutting 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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