



Elektron

Computer Controlled Robotic Plotter-Cutter



AUTOMATED ULTRASONIC CUTTING **Elektron B2 Ultra.**

The Elektron B2 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 edge is required. In many cases, this edge finish can be achieved using a rotary blade cutter but on some coarse woven materials and fabric with a glass fibre core where edge sealing is required, ultrasonic cutting may be the best choice. And unlike conventional ultrasonic cutters, the Elektron B2 Ultra can not only cut all sides of a shape without moving the fabric from the table, it can also cut more than one pattern from a length of fabric... leading to significant productivity improvements.

The Elektron B2 Ultra is an Elektron B2 cutter fitted with an ultrasonic tool and generator. If the ultrasonic tool is removed from the bayonet tool holder (a 15 second process) the only visible difference between these two cutters is the power connection for the ultrasonics on the front plate of the Elektron B2 Ultra cutting head, the ultrasonic generator under the table and the vacuum table cutting surface.

Since the Elektron B2 is already a very capable machine, able to carry a wide range of bayonet mounted tools including creasing and scoring tools, drag blades, rotary blades and powered tools such as reciprocating blade cutters, the Elektron B2 Ultra is effectively future proofed. The Elektron B2 Ultra can be supplied with a multi-zone table enabling ultrasonic and blade cutting on the one machine.

- Ultrasonic Cutting
- Ultrasonic Sealing
- Two steered tools
- 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

Elektron B2 Ultra



Product Specifications

Features

- Ultrasonic tool cuts and edge seals fabric
- Two tangentially steered tool holders
- Heavy duty bayonet mount
- Wide range of bayonet mount tools available
- Omniversal pen holder accepts all markers
- Optional hole punch (shown)
- Multi-zone table option
- Digital pressure gauge 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
- Clean, precise cutting
- 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 B2 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.

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