



Elektron

Computer Controlled Robotic Plotter-Cutter



AUTOMATED ULTRASONIC & CRUSH CUTTING **Elektron B2 Ultra.**

The Elektron B2 Ultra is a special purpose machine used for cutting and sealing the edges of synthetic fabrics where a clean cut, fray-free cut edge is required. Unlike conventional ultrasonic cutters, the Elektron B2 Ultra cuts all sides of a shape without moving the fabric from the table giving productivity improvements of better than 300%. And of course mistakes and waste are reduced and quality improved... and you are not limited to just simple rectangular shapes.

Because the Elektron B2 Ultra is such a stiff and powerful machine, crush cutting tools can be used on the ultrasonic table top for working with materials where ultrasonic cutting isn't needed. With two steered toolholders, tools can be swapped automatically or exchanged for any standard Aeronaut bayonet tool including creasing and scoring tools, drag blades, rotary blades effectively future proofing the machine.

All Elektron cutters can be fitted with automatic fabric feeding systems to pull material onto the cutting table without stress or distortion. The Elektron B2 Ultra can be supplied with a multi-zone table enabling ultrasonic, crush and blade cutting and creasing 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 designed for low maintenance and built to perform. The Elektron B2 leads the market in cost, performance and reliability. A machine no factory can afford to do without.

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

Elektron B2 Ultra



Product Specifications

Features

- Ultrasonic tool cuts and edge seals fabric
- Crush cutting on the same tablet top
- Two tangentially steered tool holders
- Software adjusted digitally set tool pressures
- Heavy duty bayonet mount
- 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
- Automatic fabric feeding 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
- Fabric feeder saves time and doesn't stretch fabric

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 B2 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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