



Elektron

Computer Controlled Robotic Sample Maker



THE AERONAUT ELEKTRON B2. THE COST EFFECTIVE ANSWER TO SAMPLE MAKING AND SHORT~RUN PRODUCTION

Aeronaut's Elektron B2 Sample Maker is a simple, solid and reliable production machine designed to make your work quick, easy and profitable. It doesn't matter if it's sample making, point of purchase displays or short run packaging, the Elektron B2 will cut it, 24 hours a day, day in, day out.

And while there are more expensive machines on the market, there are none that can match the Elektron B2's combination of performance, reliability, low maintenance and affordable purchase price.

The Elektron B2 Sample Maker features two steered bayonet tool holders which take a wide range of drop-in tools. Tools can be swapped in a matter of seconds to configure the cutter for different types of work.

The Aeronaut vacuum table is a simple, rugged construction. The vacuum area can be split into many individual zones and the table extended on site at any time.

The heavy-duty, low maintenance construction of the Elektron B2 has been proved over 15 years and hundreds of machines in everything from the design offices of multi-nationals to owner operated short-run production shops.



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THE COST EFFECTIVE ANSWER ON SAMPLE MAKING AND SHORT~RUN PRODUCTION

The Aeronaut Elektron B2 is the latest version of the most cost-effective sample maker you can buy. The combination of a heavy-duty Elektron chassis and Aeronaut's time proven bayonet mount tooling makes the Elektron B2 a market leader in terms of cost, performance and reliability.

The Elektron B2 is designed to handle every production requirement from basic packaging and die-less cutting to POP and digitally printed displays in a wide range of materials from box board to corflute and tri-wall, 24 hours a day,

Drop-in bayonet mount tooling means the cutter can be reconfigured in seconds to give un-matched versatility, making the machine as much at home in the design studio as a short run box factory.

Software controlled cut and crease pressure with a wide range of blade types and creasing profiles assure excellent and repeatable quality results. A wide range of optional tools including static knives, fabric cutters and kiss cut sign blades are available.

Cutting tables are available in a wide range of sizes which can be extended on site. Tables come with a low cost, high friction cutting mat and switchable vacuum zones with a matching computer workstation.

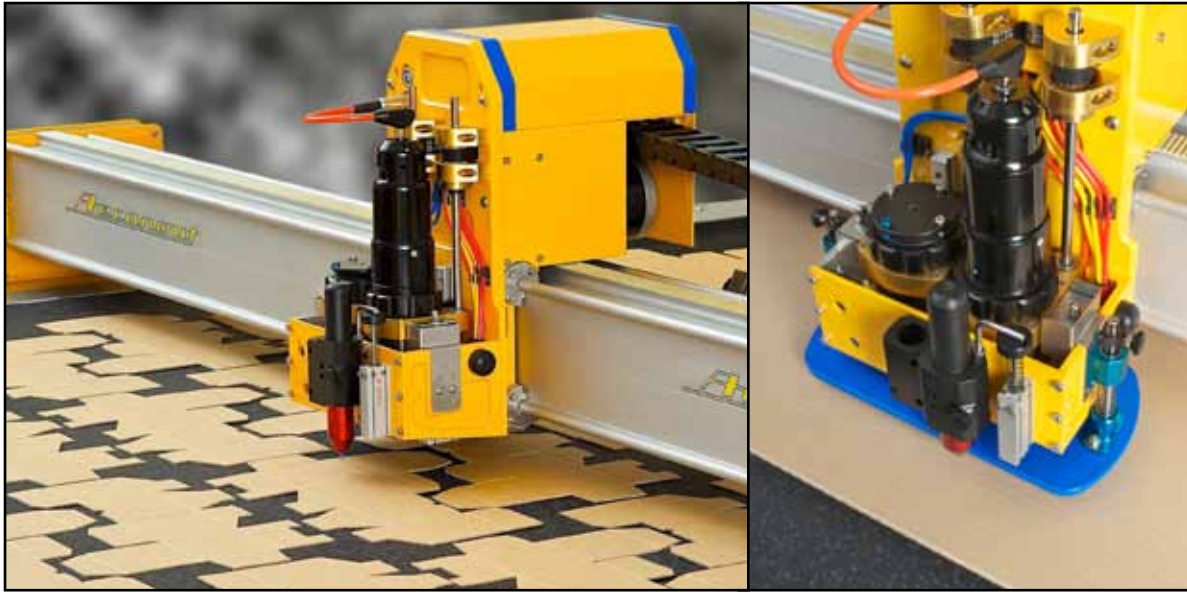
- Reciprocating blade cutter
- Static knife tool
- Heavy-duty creaser with 4 quick-change profiles
- Software controlled cutting & X/Y creasing pressure
- Kiss cut tool for vinyl
- Wide range of plotting pens
- Laser pointer for registration of pre-printed board
- Drill punch option
- 10 second blade changes
- Takes almost any blade without modification
- Continuous high-speed operation
- Wide range of cutting table sizes extendable on-site
- Low-cost high friction cutting mat
- Multiple vacuum zones
- Operator workstation
- Very low maintenance
- Quick & easy servicing
- Widely available spares
- Compatible with all major design software
- Affordable purchase price

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The Elektron B2 Sample Maker can be used with all commonly available design programs such as including Illustrator, ArtiosCAD, Impact, Laserpoint, VisionPack, AutoCAD etc.

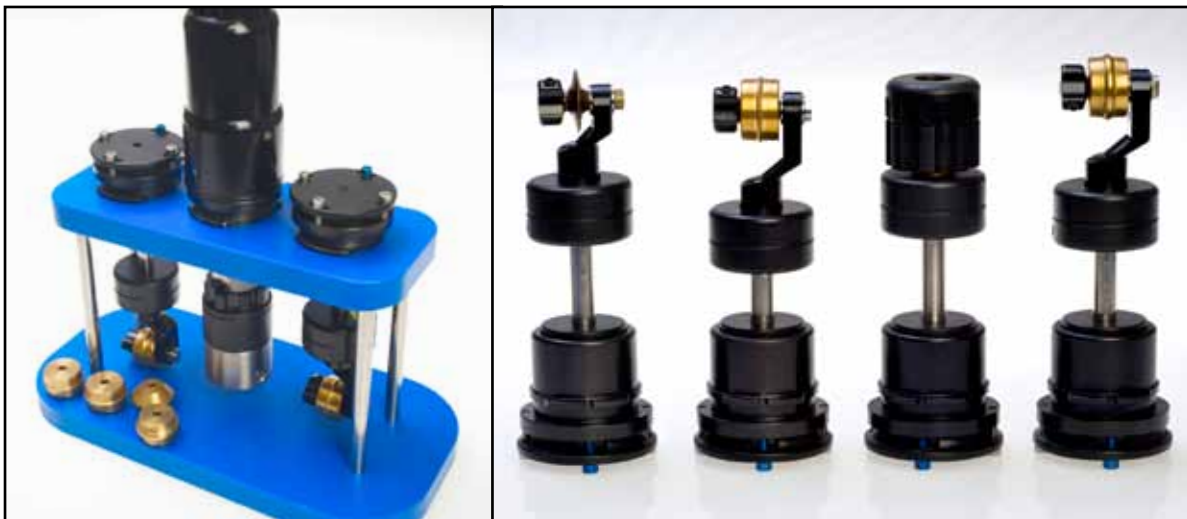
For a machine to work profitably, it must be reasonably priced, it must work quickly and reliably, and the cost of keeping it working over the years must also be reasonable. Aeronaut Automation specialises in rational engineering... making the best quality machines for the intended area of work... providing everything essential to the job and making sure it's engineered to suit the application.

Aeronaut Automation has been manufacturing sample makers for close to 15 years and the design and components used in the Elektron B2 are well proved

in the field. Most parts are made in-house on our own state-of-the-art CNC machines or, like the Swiss motor and gears used in the reciprocating blade cutter, are the best quality parts we can find.

The reciprocating blade cutter and static knife and pen holder are designed to take commonly available types, available anywhere, which can be fitted without modification.

Spare parts such as drive belts, bearings, pulleys and motors are standard parts, commonly available anywhere in the world. The cutting mat used on Aeronaut sample makers is recycled rubber. Low cost and high friction, the mat does not get blocked with cardboard dust and can be easily and cheaply replaced.



Product Specifications

Features

- Three phase electronic reciprocating knife
- Cuts from E flute to Tri-wall with the same tool
- Heavy duty creaser
- Wide range of creasing/scoring profiles (4 std.)
- Omniversal pen holder accepts all markers
- Optional hole punch
- Dual X-Axis high torque motors
- Low cost consumable pens and blades
- Different X/Y crease pressure
- All-round access to flat top table
- High-grip porous rubber cutting surface
- Digital pressure gauge for software set pressures
- Ink jet marking pen option
- Integrated laser alignment pointer option
- Very Low maintenance
- Switchable vacuum area configuration

Advantages

- High speed cutting for profitable short run
- Very wide range of materials and thicknesses
- Lower cost and greater functionality
- Very high creasing forces possible
- Micrometer depth adjustment
- Very Simple to learn and use
- Compatible with industry standard software

Steered Tools

Electronically controlled three phase reciprocating blade cutter with titanium blade holder and micrometer adjustable flat foot depth stop. Creasing tool holder with four standard crease profiles. Other profiles available on request. Static knife tool are available.

Other Tools

Ball point, pressurised ball point, paint and plastic tipped marker holders.
"Big-foot" for working with distorted board
Drill-punch with quick change punch inserts.
Electric powered drills, mills and routers.
Vinyl & Stencil cutting blades (in special holder.)
Fabric cutting tools.
Contact the factory for full details.

Available Cutting Widths*

52" (1320) 66" (1676) 75" (1905) 90" (2286)
102" (2590) 120" (3048) 135" (3430) 150" (3810)

* Other widths available on request.

For minimum table width add 18" (440mm).



Available Cutting Lengths*

47" (1320) 75" (1900) 94" (2400) 122" (3100)
142" (3600) 120" (3048) 172" (4350) 189" (4800)

* Other lengths available on request.

Table length is approx. 550mm longer than cut length.

Max Speed 50 ips (1300 mm/sec)
Accuracy & repeatability 0.02" (0.3mm)

Vacuum system capacity is related to vacuum table size... 2.2 > 7.5 KVA. Higher capacity systems are three phase.

Electrical Requirements

220-240 VAC, at 5 amps

100-120 VAC at 10amps

Cutter head wired for 24 volts @ 6 amps

Compressed Air Requirements

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

Specifications subject to change without notice.

Your Authorised Dealer:

EKB2SM-0710