



# Elektron

Computer Controlled Robotic Plotter-Cutter



## WIDE-SPAN, POWERFUL, ACCURATE & EXCEPTIONAL VALUE FOR MONEY

The Aeronaut Elektron Mono WS and Elektron Mono LC are entry level plotter-cutters designed without compromise. Serious heavy duty machines with a rigid chassis designed to span over 6 metres and a new fixed cutting head. Very accurate, very fast, very powerful and close to zero maintenance.

The two machines are identical in appearance. Both feature Aeronaut's revolutionary Cam-lock quick-change tooling. You can swap a rotary blade holder for a drag blade, creasing tool or drill punch in less than 20 seconds with perfect indexing of height and blade angle. Both plotters carry a universal pneumatically operated marker pen holder.

The Elektron Mono WS is ideal for large pattern work with industrial textiles, tension membrane fabrics, pool liners, tarpaulins and inflatables where the accuracy, high cutting speeds and low drag of a rotary blade cutter is paramount.

The Elektron Mono LC is a narrow-span version of the Elektron Mono WS. It's made in cutting widths of less than 2.05 metres (78") and is ideal for composites, sample-making, sail makers and pool liners where fabric widths are less than 2 metres.

They're both quiet, remarkably smooth running and powerful machines. The Elektron Mono WS and Elektron Mono LC work to industry standards of speed, accuracy and repeatability... But without the industry standard price tag.

- New quick-change tools
- High torque motors
- Simple rugged construction
- High plot and cut speeds
- Lockable rotary blade
- 45, 28 and 18mm blades
- Drag blade holder
- Omniversal pen holder
- Drill punch with ejector
- Smooth, precise cutting
- Affordable purchase price
- Close to zero maintenance
- Easy servicing
- Compatible with most software and computers
- Cheap, widely available consumables such as blades and markers
- Widely available spares
- Rigid guide extrusions
- Low-backlash Cat drive

# ***The Elektron Mono WS Plotter***



## **Features**

- Cam-lock tooling
- High torque rare earth motors standard
- Tangentially steered cutting tools
- Lockable ball bearing rotary blade holder
- Pneumatically adjustable cutting pressures
- Available with and without vacuum table
- 25mm wide drive belts throughout.
- Quality robotic cables running in energy chain
- Close to zero maintenance
- Cut widths up to 6.1m (20') Elektron Mono WS
- Cut widths up to 2m (78") Elektron Mono LC
- Cut lengths up to 25m (82')

## **Advantages**

- Simple rugged construction
- Simple to use and maintain
- High Speed Operation
- Improved product quality
- Reduced labour
- Just-in-Time production
- Reduced material waste

## **Steered Cutting Tools**

28mm (1.1") dia Rotary Blade Cutter (standard)

See the separate brochure on Cam-lock quick change tooling including 45mm, 28mm, 18mm rotary blades, drag blade holders, creasing tools and drill punches. A high cutting force steered tool shaft option is available for use with difficult materials, drill punches and creasing tools.

## **Marking Tools**

Ball points, plastic tipped markers, pressurised markers, paint markers and the optional sign cutter are held in concentric holders in a precision heavy duty pneumatically operated ball slide mount. Flow controls stop tip damage on felt tips.

## **Max. Plotting/Cutting Speed**

1200 mm/sec (47 ips)

## **Drive System**

Micro-Stepping Motors

(2 on X-axis, 1 on each other axes ) Elektron Mono WS  
(1 on X-axis, 1 on each other axes ) Elektron Mono LC

## **Available Cutting Widths Elektron Mono WS\***

|            |             |
|------------|-------------|
| 1.6m (63") | 3.6m (141") |
| 2.0m (78") | 4.9m (192") |
| 2.4m (98") | 6.1m (240") |



**Cam-lock quick-change tool holders give you maximum versatility from low cost machine.**

## **Available Cutting Widths Elektron Mono LC\***

|            |             |
|------------|-------------|
| 1.5m (59") | 1.83m (72") |
| 1.6m (63") | 2.0m (78")  |

\* Other widths available on request.

For minimum table width add 220mm (9").

## **Available Cutting Lengths\***

|             |             |
|-------------|-------------|
| 2.5m (8.2') | 15m (49')   |
| 5m (16.4')  | 20m (65.6') |
| 10m (39.3') | 25m (82')   |

\* Other lengths available on request.

For table length add 500mm (20").

## **Options**

Vinyl Blade holder

Digital pressure gauge

Drill Punch (shown in front picture).

## **Control Cabinet Dimensions**

630 x 540x 250mm (25" x 21" x 10")

## **Electrical Requirements**

220-220 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:**

EKWS-0507