



# Mikron 2

*Computer Controlled Robotic Cutter*



## **MIKRON 2 AUTOMATED CUTTER FAST, ACCURATE, VERSATILE AND RELIABLE TWICE THE SPEED, HALF THE PRICE**

Aeronaut's Mikron 2 is the perfect automated cutter for working with lots of roll and rigid materials from cardboard to carbon fibre. This universal cutter is small enough for the design studio or lab, but fast enough and rugged enough for serious short run or just-in-time production.

The Mikron 2 is a seriously fast, accurate and industrial-strength machine in a clean, compact format. With two steered quick-change holders capable of mounting almost any cutting tool, a marker pen holder and with optional gantry-mounted or overhead cameras, the multi-tasking Mikron 2 can handle just about any work you put on the vacuum table.

Fitted with a tangential blade and creasing tool, the Mikron 2 is a quick and powerful cutter for digital finishing, archive boxes, point of sale, package design and sample-making and fast enough to be used for short runs. The Mikron can use low-cost off-the-shelf blades and its minimal maintenance requirements make it as cheap to run as it is to own.

With its 10 second tool change Cam-lock tools, the Mikron 2 can be reconfigured with a rotary blade cutter, creaser, drill punch or perforating tool to take on tasks from cutting fashion fabrics, composites and specialised medical materials to model making and presentation materials.

The Mikron 2's integrated vacuum table can be fitted with different cutting surfaces. Porous rubber for flat materials such as corrugated board cut with a drag blade or a plastic surface for roll textiles cut with a rotary blade. The Mikron 2 comes in a range of standard sizes and with a single phase vacuum pump, it can be run from a standard electrical outlet.

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# Mikron 2 Automated Cutter



## Product Specifications

### Features

- Two steered quick change Cam-lock toolholders
- Omniversal pen holder accepts all markers
- Gantry-mounted camera option
- Wide range of creasing/scoring profiles (4 std.)
- High torque motors on X, Y and Z Axes
- Single phase control cabinet and vacuum pump
- Low cost consumables such as pens and blades
- Micrometer depth adjustment
- All-round access to flat top table
- High-grip rubber cutting surface for cardboard
- Drilled polypropylene or HDPE surface for fabric
- Porous plastic table top option
- Switchable vacuum area on larger table size
- Material thickness up to 8mm

### Advantages

- High speed cutting for profitable short run
- Designed and manufactured in Australia
- Very high cutting and creasing forces possible
- Very Simple to learn and use
- Very low maintenance and low running costs



### Steered Tools

Any tool from Aeronaut's Cam-lock tool range can be fitted. Tools include 18mm, 28mm & 45mm rotary blades, Omniversal and plunge tangential blade holders with micrometer depth adjustment, creasing, scoring and crush-cut profiles. Perforating tools. Drill punches from needle point to 25mm diameter.

One tool shaft has an optional top-set depth adjustment typically for use with tangential blades. Tool axes are available with optional higher pressure.

### Other Tools

The Omniversal pen holder takes almost any type of marker from paint pens to pressurised ball point refills. Sign blade cutters can be fitted to the pen holder clamp.



### Min Working Area

- Mikron 2 30 - 810 x 860 (32 x 34")
- Mikron 2 40 - 1140 x 1650 (44 x 65")
- Mikron 2 50 - 1270 x 2590 (50 x 102")
- Mikron 2 60 - 1630 x 2590 (60 x 102")

### Machine Dimensions

- Mikron 2 30 <> 1250 x 1340 (50 x 53")
- Mikron 2 40 <> 1520 x 2180 (60 x 86")
- Mikron 2 50 <> 1760 x 3190 (69 x 125")
- Mikron 2 60 <> 2060 x 3190 (69 x 125")

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

Vacuum systems are 2.2 kVA as standard. Higher capacity vacuum pumps can be fitted on request but will be three phase.

### Electrical Requirements

220-240 VAC, at 15 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:

M2-0918