

## MIRA 9

The MIRA 9 is a laser engraving and cutting machine is a professional laser system with remarkable capabilities. With a 600 x 900mm bed and compact design it is ideal for where space comes at a premium.

It comes with a 75W tube as standard and offers a perfect balance of engraving and cutting across a wide range of materials. The all-in-one system is provided with a 12 month onsite warranty with option to extend up to 3 years.

**MACHINE FEATURES:**

Class 4 laser system

75W water cooled glass laser tube

All-in-one solution with an integrated water cooling system, exhaust fan and air assist pump

Red dot pointer system for easily and quickly lining up your work

The 600 x 900mm slatted, non-reflective bed can be switched to a honeycomb bed, perfect for cutting very dense artwork or less rigid materials such as card and fabric

High quality optics provide high accuracy, reliability and long life

Motorised Z axis with autofocus sensor for speedy bed adjustment

Air assist to control heat and disperse smoke and debris around cutting nozzle

Water flow switch to provide protection against failure of cooling system

Onboard memory for storing and easily accessing popular jobs

Compatible with Windows and macOS (Lightburn software needed for macOS)

Optional rotary device available for engraving cylindrical items

**CUT AND ENGRAVE:**

Paper, card and print media

Fabric

Leather

Acrylic, nylon and other non-PVC plastics

Plastic laminates

Latex and rubber

Plywood and MDF

Wood and wood veneers

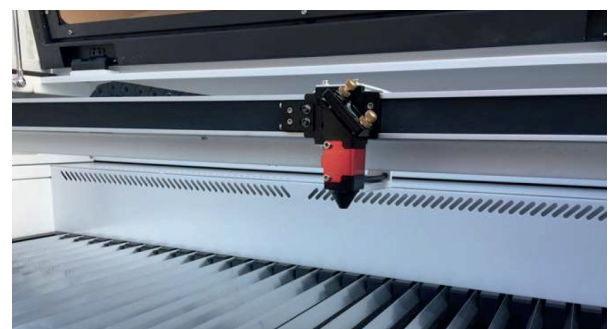
**ENGRAVE ONLY:**

Glass, granite, slate and marble

Anodised and coated metals

Uncoated metals\*

\*ceramic marking compound required



## MIRA 9

<b>Laser power</b>	75W
<b>Maximum cutting thickness</b>	20mm Acrylic
<b>Recommended maximum cutting thickness</b>	12mm Acrylic
<b>Engraving speed*</b>	0-1200mm/sec*
<b>Mounting</b>	Benchtop/stand (stand included)
<b>Laser source</b>	Water cooled CO2 gas filled glass tube
<b>Cutting area</b>	600mm x 900mm
<b>Z axis (table height) adjustment</b>	150mm motorised
<b>Drive system</b>	High speed digital stepper motors
<b>Location precision</b>	<0.01mm
<b>Cooling method</b>	Internal closed circuit water cooling with flow protection switch
<b>Cooling system</b>	Vapor compression (5000) water chiller
<b>Fume extraction</b>	Optional fume filter available
<b>Extraction hose</b>	Ø150mm flexible hose supplied - fully extended length 5m
<b>Air assist compressor</b>	105W built-in air pump
<b>Connectivity</b>	USB
<b>Controller</b>	Ruida
<b>Software</b>	RD Works (PC only), Lightburn (PC or Mac)
<b>Typical design software</b>	Adobe Illustrator, AutoCAD, Corel Draw, 2D design
<b>Preferred file types</b>	.dxf, .plt
<b>Operating system support</b>	Windows XP, 7, 8, 10
<b>Minimum character size</b>	1.5mm x 1.5mm
<b>Power supply</b>	220V (or 110V) +/- 10% 50Hz (or 60Hz)
<b>Machine dimensions (mm)</b>	1306 long x 1037 wide x 555 high (machine only)
	1304 long x 1037 wide x 585 high (machine on stand)
<b>Machine weight</b>	228kg
<b>Machine interfaces</b>	1 x USB
	1 x mains power socket (3-pin UK kettle type cable supplied)
	1 x air extract connection to suit 150mm hose
<b>Cabinet safety</b>	Lid safety switch
<b>Warranty</b>	12 months onsite excluding consumables (laser tube and optics)

\* high speeds may reduce engraving quality depending on material

### OPTIONAL EXTRAS:

Rotary Device

Sheet materials including acrylic, plywood, MDF veneers, engraving laminate

Laser machine compatible antifreeze

