

MIRA 5

The MIRA 5 is a laser engraving and cutting machine well suited to professionals and hobbyists alike. With a 300 x 500mm bed and compact design it is ideal for where space comes at a premium.

It comes with a 40W laser tube as standard, and offers cutting and engraving across a wide range of materials. The all-in-one system is provided with a 12 month return to base warranty with option to extend up to 3 years.



MACHINE FEATURES:

Class 4 laser system

40W 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 300 x 500mm honeycomb bed is 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

Supplied complete with matching stand

CUT AND ENGRAVE:

Paper, card and print media

Fabric

Leather

Acrylic, nylon and other non-PVC plastics

Plastic laminates

Latex and rubber

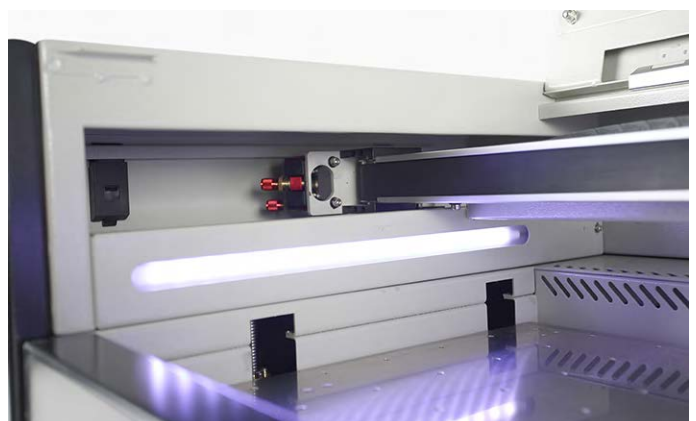
Plywood and MDF

Wood and wood veneers

ENGRAVE ONLY:

Glass, granite, slate and marble Anodised and coated metals Uncoated metals*

*ceramic marking compound required



MIRA 5

Laser power	40W
Max. cutting thickness	12mm Acrylic
Recommended max. cutting thickness	8mm Acrylic
Engraving speed*	0-1200mm/sec
Mounting	Benchtop/stand (stand included)
Laser source	Water cooled CO2 gas filled glass tube
Cutting area	300mm x 500mm
Z axis (table height) adjustment	120mm motorised
Drive system	High speed digital stepper motors
Location precision	<0.01mm
Cooling method	Internal closed circuit water cooling with flow protection switch
Cooling system	34W built-in water pump
Fume extraction	Optional fume filter available
Extraction hose	Ø75mm flexible hose supplied - fully extended length 5m
Air assist compressor	18W built-in air pump
Connectivity	USB
Controller	Ruida
Software	RD Works (PC only), Lightburn (PC or Mac)
Typical design software	Adobe Illustrator, AutoCAD, Corel Draw, 2D design
Preferred file types	.dxf, .plt
Operating system	Windows XP, 7, 8, 10
Minimum character size	1.5mm x 1.5mm
Power supply	220V (or 110V) +/- 10% 50Hz (or 60Hz)
Machine dimensions (mm)	900 long x 710 wide x 430 high (machine only) 900 long x 710 wide x 940 high (machine on stand)
Machine weight	120kg
Machine interfaces	1 x USB 1 x mains power socket (3-pin UK kettle type cable supplied) 1 x air extract connection to suit 75mm hose
Cabinet safety	Lid safety switch
Warranty	12 months return to base excluding consumables (laser tube and optics)

*high speeds may reduce engraving quality depending on material

OPTIONAL EXTRAS:

- Rotary device for engraving cylindrical items
- Sheet materials including acrylic, plywood, MDF veneers, engraving laminate
- Laser machine compatible antifreeze



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