

KOENIG FMO FIBER MARKING

Rapid Galvo Fiber Marking Machine

MODEL: K20FMO / K30FMO / K50FMO

FROM \$8,950+GST

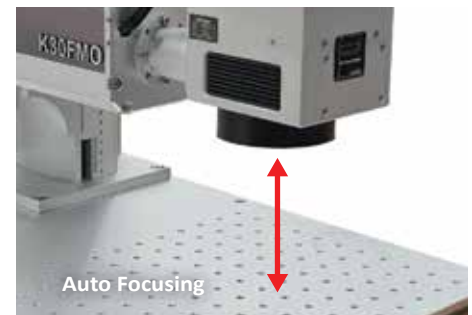


FULL CE CERTIFIED LASER SAFETY ENCLOSURE OPTION

FEATURES:

- Galvanometer marking technology
- 20W, 30W and 50W power options available
- 200x200 or 300x300 marking area available
- M5 threaded mounting plate with 2 basic jig brackets
- Automatic focus
- High-speed marking up to 7000mm/s
- Red dot center and framing function
- EZcad software can generate barcodes/QR codes/serial numbers and is compatible with Excel Lightburn Software compatible
- Optional removable and flat-packable CE certified laser safety enclosure
- Optional rotary chuck for marking onto cylindrical items up to 80mm in diameter
- Adjustable guild beam - easily remove 4 screws and rotate the guild beam by 90degrees to allow for marking onto any height of items.

The FMO range of Fiber marking machines are the perfect solution to your metal marking needs. Mark onto any metal surface at high speed with minute precision and no need for expensive marking agents. Adaptable and easy to use, quiet and convenient with little to no set-up required.



Auto Focusing



Adjustable beam - for large products



APPLICATION:

This fiber marking machine can mark/etch:

Metals – mild steel, stainless steel, aluminium, anodised aluminium, copper, brass, silver and gold

Plastic – acrylic, ABS, HIPS, PE, PP, 2-ply/traffolyte etc

Finishes - painted/anodised/powder coated and coated metals and plastics

Fiber marking machine can also be used for marking onto wooden surfaces, however the finish will be less consistent than a CO2 laser. Thin metal can be cut with the 50W power option, however this will require many passes. We would recommend a fiber cutting machine for cutting.



Technical Parameters	Specification
Laser Power	20W / 30W / 50W
Safety Class	Open Class 4 fiber marking machine, Class 1 enclosure optional
Marking area	200 x 200mm as standard (100x100 and 300x300mm available)
Max Marking Height	180mm (40mm with 300x300mm lens, unlimited with beam rotated 90 degrees)
Laser wavelength	1064nm
Minimum line width	0.02mm
Minimum character	0.15 x 0.15mm
Max engraving line speed	7000mm/s
Repeatability accuracy	±0.01 mm
Re-positioning accuracy	0.02mm
Machine Footprint	350(W)*650(D)*800 (H)mm
Weight	45kg
Controlling Software	EZcad software provided, Lightburn software compatible
Graphic Format Supported	Graphics files – Ai, DXF, PLT, Gerber, etc. G code – MaterCam, Type3, Wentai etc.
Compatible Software partners	Illustrator, photoshop, CorelDraw, Autocad, Solidworks, MaterCam, Type3, Wentai etc.
Auxiliary Equipment	Built in computer, monitor, with keyboard and mouse provided. Inbuilt electrical cooling system
Power Supply	230V, 50Hz, 10amp
Working Environment	Temperature:0-45C, Humidity 5-95%(No Condensate Water)
Options	CE certified laser safety enclosure, 100x100mm marking lens, 300x300mm marking lens, chuck rotary device, air filtration unit