

KOENIG MOPA FIBER MARKING

Rapid Galvo Fiber Marking Machine

MODEL: K30MOPA



MODEL DETAILS:

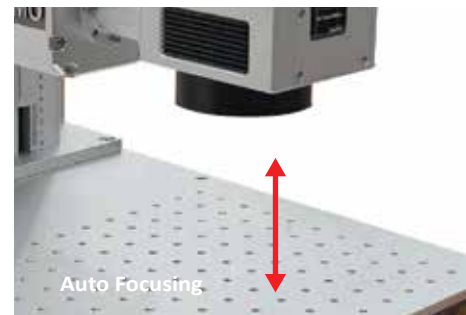
- 30W / 50W / 80W / 100W Power options (30W recommended for colour marking)
- 300x300mm Marking area for all greyscale marking
- 175x175 Marking area for best colour marking

FEATURES:

- Large heavy-duty frame
- Fully enclosed machine with CE Certified protective glass
- Built in computer / monitor screen / Keyboard and mouse
- Mark in colour onto stainless steel
- Brighter white and darker black marking than standard Fiber marking machines with MOPA laser source
- M5 threaded mounting plate with 2* basic jig brackets
- Automatic focus
- German Scanlabs galvanometer
- High speed Marking up to 7000mm/s
- Fast opening main door with Interlocking door sensor
- Widen opening doors on both sides with key safety locks
- Red dot center and framing function
- LED internal lighting
- EZcad software can generate barcodes/QR codes/serial numbers and is compatible with Excel
- Lightburn Software compatible
- Optional rotary chuck for marking onto cylindrical items up to 80mm in diameter

FROM \$19,900+GST

“The Koenig MOPA fiber marking machine comes in a new heavy-duty frame, to withstand the busy and hectic factory floor. With 30W power as standard, the MOPA laser source is ideal for colour fiber marking onto Stainless steel, but it is not only colour that you will get out for your MOPA laser. The MOPA laser technology changes the marking process allowing you to control the wavelength during marking. This allowing for brighter white and darker black marking onto any metal surface. 3D/deep engraving can also be achieved, where higher power is recommended.”



APPLICATION:

Colour marking onto:

All Stainless steel materials (note some grades will produce brighter colours than others)

Greyscale marking onto:

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 some 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	30W / 50W / 80W / 100W
Safety Class	Class 1 enclosure
Marking area	300 x 300mm marking area greyscale, 175x175mm marking area for best colour marking
Max Marking Height	40mm with 300x300mm lens, 200mm with 175x175mm lens
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	1200(W)*1100(D)*1780(H)mm
Weight	270kg
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	Inbuilt PC, monitor, keyboard draw, keyboard and mouse included, Inbuilt electrical cooling system
Power Supply	230V, 50Hz, 10amp
Working Environment	Temperature:0-45C, Humidity 5-95%(No Condensate Water)
Options	Cchuck rotary device, air filtration unit