Lockdecoders
Automotive Locksmith Equipment Supplier

One of the UK's leading suppliers of Automotive Locksmith Equipment and Home to MIRACLE Key Cutting Machines, MAGIC CNC Engravers and MiraClone and Autel Key Programming. We also sell Transponder Chips, SPVG Tools and Instacode Software, Keys and Remotes.

MAGIC™ ENGRAVING E Series

Multipurpose Desktop Engraving Machine

MAGIC™-E7

MAGIC-E7 is an all-in-one engraving machine for both flat and rotary engraving and cutting.

Multipurpose Flatbed Engraving Machine

MAGIC™-E4

MAGIC-E4 exceeds all other engraving machines in the market as it is a high-performing flatbed engraver with a strong and reliable structural stability.

Compact Desktop Engraving Machine

MAGIC™-E3

MAGIC-E3 is a compact engraving machine that enables easy engraving, cutting, and marking on diverse materials.

MAGIC™ ENGRAVING S Series

Multipurpose Jewelry Engraver

MAGIC™-S7

MAGIC-S7 is a major jewelry scribing machine that is widely used and available in the global jewelry&accessory market.

Multipurpose Flatbed Scribing Machine

MAGIC™-S4

MAGIC-S4 is a third-generation multipurpose flatbed scribing machine with a large flat vise.

Compact Engraving Machine

MAGIC™-S3

MAGIC-S3 is a compact scribing machine that is perfect for scribing on flat-type materials with various forms and sizes.

Lockdecoders

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Product Comparison Table

	MAGIC™-E7	MAGIC™-E4	MAGIC™-E3
Product Type	Multipurpose Desktop Engraving Machine	Multipurpose Flatbed Engraving Machine	Compact Desktop Engraving Machine
Dimensions	402mm(W) x 376mm(D) x 352mm(H)	402mm(W) x 376mm(D) x 352mm(H)	310.5mm(W) x 350.5mm(D) x 324.5mm(H)
Max Engraving Area	238 mm(X) x 178 mm(Y) x 38.5 mm(Z)	244 mm(X) x 179 mm(Y) x 38.5 mm(Z)	153mm(X) x 134mm(Y) x 38.5mm(Z)
Max Material Thickness	60mm	60mm	40mm
Max Cylindric Material Diameter	80mm	-	-
Engravable Inside Diameter	14mm ~ 78mm	-	-
Rotary Clamp	●	X	X
Spindle	●	●	●
DC Motor Power	38W	38W	27W
Spindle Revolution	15,000RPM	15,000RPM	12,000RPM
Probe	●	●	●
Touch Sensor	●	●	X
Built-in LCD	●	●	X
Built-in Camera	●	●	●
Initially Equipped Clamp	Pendant Clamp & Rotary Clamp	Flatbed Clamp	Pendant Clamp
Resolution (XYZ)	0.0025mm(XY) / 0.000625mm(Z)	0.0025mm(XY) / 0.000625mm(Z)	0.0025mm(XY) / 0.000625mm(Z)
Resolution (A)	0.028125°(A)	-	-
Weight	26Kg	25Kg	20kg
Power Consumption	47W	46W	30W
AC Adapter	24VDC / 2.5A	24VDC / 2.5At	24VDC / 2.5A

	MAGIC™-S7	MAGIC™-S4	MAGIC™-S3
Product Type	Multipurpose Jewelry Engraver	Multipurpose Flatbed Scribing Machine	Compact Engraving Machine
Dimensions	402mm(W) x 376mm(D) x 352mm(H)	402mm(W) x 376mm(D) x 352mm(H)	310.5mm(W) x 350.5mm(D) x 324.5mm(H)
Max Engraving Area	238 mm(X) x 178 mm(Y) x 38.5 mm(Z)	244 mm(X) x 179 mm(Y) x 38.5 mm(Z)	153mm(X) x 134mm(Y) x 38.5mm(Z)
Max Material Thickness	60mm	60mm	40mm
Max Cylindric Material Diameter	80mm	-	-
Engravable Inside Diameter	14mm ~ 78mm	-	-
Rotary Clamp	●	X	X
Spindle	-	-	-
DC Motor Power	-	-	-
Spindle Revolution	-	-	-
Probe	X	X	X
Touch Sensor	●	●	●
Built-in LCD	●	●	X
Built-in Camera	●	●	●
Initially Equipped Clamp	Pendant Clamp & Rotary Clamp	Flatbed Clamp	Pendant Clamp
Resolution (XYZ)	0.0025mm(XY) / 0.000625mm(Z)	0.0025mm(XY) / 0.000625mm(Z)	0.0025mm(XY) / 0.000625mm(Z)
Resolution (A)	0.028125°(A)	-	-
Weight	26Kg	25Kg	20Kg
Power Consumption	25W	24W	24W
AC Adapter	24VDC / 2.5A	24VDC / 2.5A	24VDC / 2.5A

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Fiber Laser Marking Machine

Fully Automatic Fiber Laser Machine

MAGIC™-L3

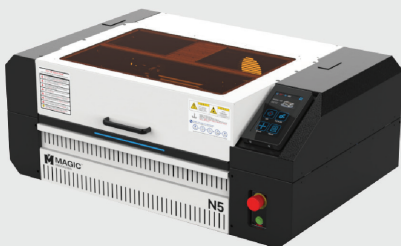MAGIC-L3 is a fiber laser marking and cutting machine especially designed for jewelers.

Compact Fiber Laser Machine

MAGIC™-L2

L2 is a compact fiber laser marking machine specialized in jewelry industry.

Co2 Laser Marking Machine

CO2 Laser Marking Machine

MAGIC™-N5

The MAGIC™-N5 is a CO2 laser marking machine allows users to operate the laser marker faster, easier, safely and more accurately.

Product Comparison Table

Fiber vs CO2

Material	Fiber Laser (LP type, 20W)	Fiber Laser (MOPA type, 30-100W)	CO2 Laser (45W)
Metals			
Aluminium	○	●	-
Aluminium (Anodized)	○	○	○
Brass	○	●	-
Carbide	○	○	-
Plated Metal	○	○	-
Copper	○	○	-
Gold/Silver	○	●	-
Platinum	○	○	-
Stainless Steel	○	●	-
Steel	○	●	-
Titanium	○	●	-
Plastics			
Acrylic/PMMA	-	○	●
Film	-	○	●
Foam	-	○	●
ABS	-	○	●
PC/PP	-	○	●
PA/PE/PET/PBT/POM	-	○	●
Others			
Ceramic	-	○	●
Leather	-	○	●
Paper/Cardboard/Cork	-	○	●
Rubber/Silicon	-	○	●
Wood	-	○	●
Stone/Marble	-	○	●
Fabric	-	○	●

○ : Marking only ● : Marking&Cutting

L3 vs L2 Feature

	L2	L3
Main Features	Marking	Marking, Cutting
Type	Chamber (Manual Safety Door)	Chamber (Automatic Safety Door)
Built-in Camera	-	●
Auto Focusing	-	●
3-Point Focus Laser	●	●
Rotary Object Auto Focusing	●	●
Safety Door Auto Control	-	●
Motorized Z Axis Stage	●	●
Rotary Marking (Ring)	●	●
Rotary Marking (Bangle)	-	●
Auto Tilting Rotary Clamp	-	●
Cable-less Docking Rotary Clamp	-	●
Rotary Clamp Lateral Position Micro-Adjustment	●	●
LCD	-	●
Status Indicator LED	●	●
Chamber Light Brightness Adjustment	-	●
Focus Laser Brightness Adjustment	-	●
Dust Collector ON/OFF Control	●	●
Dust Collector Auto Start/Stop	●	●
External IO Port	-	●
Enhanced Dust-Collection Efficiency	●	●
Required Engraving Time Indication	●	●
Auto Online Recovery of Correction and Setting Data	●	●

L3 vs L2 Spec

	L2	L3-30W	L3-60W	L3-100W
Laser Type	LP Type	MOPA Type		
Dimensions	304mm(W) x 554mm(D) x 500mm(H)	404mm(W) x 556mm(H) x 590mm(D)		
Marking Area	85mm x 85 mm	110mm x 110mm		
Max Material Height	62mm	100mm		
Z Stroke	62mm	100mm		
Chamber Size	350mm(W) x 100mm(H) x 170mm(D)	350mm(W) x 100mm(H) x 170mm(D)		
Safety Door Open Height	751mm	266mm		
Max Material Weight	4kg	20kg		
Weight	36Kg	46Kg	50Kg	54Kg
Power	100V~240V, 50Hz/60Hz	100V~240V, 50Hz/60Hz		
Power Consumption	240W	340W	520W	730W
Cooling	Air Cooling	Air Cooling		