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LASER MARKING

LF 50

Laser marking for metal material

LASER MARKING

Metal

Mesin tipe LF 20, LF 30 dan LF 50 menggunakan teknologi YAG untuk marking banyak jenis metal dan material organik membuatnya cocok digunakan untuk marking pada IC, kunci kontainer, jam, frame kacamata, kacing plastik, peralatan medis, pipa PVC, handphone dan elektronik.

Redlight pointer untuk memudahkan penempatan material, automatic coding dan bar code sebagai standar. Plus mesin ini bisa bekerja pada sistem konveyor. Khusus LF 50 bisa membuat ukiran 2.5D pada metal.

Metal Laser Marking bisa marking kebanyakan jenis metal seperti besi, baja, aluminium, titanium, karet, plastik ABS, kulit, kain.

LF 20, LF 30 and LF 50 utilises YAG technology to enables the machine marks many kinds of metals and organic materials which made those machines prefect for marking IC, Container seal, wrist watch, glasses frames, plastic bags, medical equipment, PVC pipe, mobile phone and electronics.

Red light pointer for easy positioning and automatic coding and bar coding are standard. Moreover our laser marking machine can be attached to work in a conveyor system. Special feature of LF 50 is capable of doing 2.5D metal engraving.

LF 20, LF 30 and LF 50 can mark most metals like iron, steel, aluminium, titanium, rubber, ABS plastic, leather and fabrics.



LF 30



LF 20

* Bentuk mesin aktual bisa jadi sedikit berbeda dari foto karena penyempurnaan teknologi

* Actual machine shape might be different from the photograph due to improvements

tipe mesin machine type	LF 20	LF 30	LF 50
jenis laser laser source	Ytterbium Fibre Ytterbium Fibre		
kekuatan laser laser output	20W 20W	30W 30W	50W 50W
area kerja (mm) working area (mm)	100x100 100x100	100x100, 200x200 100x100, 200x200	
frekuensi repetisi repetitions frequency	20.000-80.000 Hz 20.000-80.000 Hz		
lebar garis minimum minimum line width	0.015 mm 0.015 mm		
panjang gelombang wavelength	1.064 nm 1.064 nm		
kualitas beam m ² beam quality m2	<6 <6		
energi per pulse energy per pulse	1 mJ 1 mJ	1.5 mJ 1.5 mJ	2.5 mJ 2.5 mJ
kedalaman marking marking depth	0.05 mm 0.05mm	0.1 mm 0.1 mm	3 mm 3 mm
sistem pengendali control system	Q Switch Q Switch		
format penyimpanan storage format	BMP, PLT, DXF, DST, AI BMP, PLT, DXF, DST, AI		
antarmuka interface	USB USB		
software compatible software	Windows 10 dan EZCAD Marker System Windows10 dan EZCAD Marker System		Windows 10 dan 2.5D EZCAD Windows10 dan 2.5D EZCAD
kebutuhan daya power requirements	2.500W @ AC 110-220V 10% 50-60Hz 2.500W @ AC 110-220V 10% 50-60Hz		
lingkungan kerja working environment	5 - 35°C, RH 10 - 85% 5 - 35°C, RH 10 - 85%		
pendingin cooling system	pendingin udara air cooled		pendingin air water cooled
dimensi kerja working dimension	2D 2D		2.5D 2.5D
usia sumber laser laser source lifespan	7 tahun 7 years		

FIBER LASER



100.000 hours
lifetime



working area:
(options)
100 x 100 mm
200 x 200 mm
300 x 300 mm

Why PT Golden Sun Indonesia?

- A two-year warranty for the machine and parts.
- A six-month warranty for the tube - the longest on the market
- Cloud driver backup service

PRODUCTSAMPLES



stainless steel



serial numbering



metal



LF 50 2.5D Steel



anodised aluminium



makrolon

TABLEPOWER

laser source	fiber laser		
	20W	30W	50W
tembaga	✓	✓	2.5D
besi	✓	✓	2.5D
baja	✓	✓	2.5D
aluminium	✓	✓	2.5D
anodised aluminium	✓	✓	✓
makrolon	warna tertentu		
acrylic	warna tertentu		
kulit	✓	✓	✓
oscar	✓	✓	✓
kayu	jenis tertentu		
plastik	jenis tertentu		
kertas	jenis tertentu		

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Contact us at:

+62 21 2931 5299 | marketing@ptgoldensun.com | ptgoldensun.com

Ruko Glaze II Blok D no 32 Gading Serpong, Tangerang - Indonesia 15480

Ciputra International Tower 2 level 2 suite C-05, Jl. Lingkar Luar Barat, Jakarta 11620

0877-7175-8925

www.ptgoldensun.com