



Stamp 'IT DPSS LASER



FEATURES:

- ▶ DPSSL adopted as laser source, high o-o conversion efficiency (> 40%)
- ▶ No any ink needed, small size, light weight and a compact design.
- ▶ Available for automation production line
- ▶ Continuous duty machine suitable for 24hours production.

APPLICATIONS:

- ▶ Electronic components, IC, hardware tools, garden tools, Automobile parts
- ▶ Medical instruments, glasses, clocks, instrument measuring appliances
- ▶ Instrument seals, mobile pressed keys, Jewelry, presents
- ▶ Rubber, PVC, Seals, outer covering, Aluminum castings, moldings, packaging of food and medicines.

MARKS:

Patterns, Logos, Text, Barcodes, Datamatrix codes & Other Graphics.

SUITABLE MATERIALS:

Common metals (Fe, Cu, Al, Mg, Zn, etc.), Rare metals (Gold, Silver, Ti, Pt etc.) Special surface treatments (electroplate, phosphide, anodic oxidation etc.) ABS, Plastics, material covered with paints and inks.

Laser data\Model	LASER IR 50 DS	LASER IR 150 DS
Laser wavelength	1064nm	
Beam quality M	< 3	< 6
Laser repeat freq.	≤ 50 kHz	
Max Laser Power	50 W	150 W
Std. Marking Scope	100mm x 100mm	
Opt. Marking Scope	175mm x 175mm / 100mm x 100mm	
Marking Depth	≤ 0.3mm	≤ 1 mm
Linear Velocity	≤ 7000mm/second	
Min. Line Width	0.015 mm	0.02 mm
Min. Char Size	0.3mm	0.3mm - 0.5mm
Repeat Accuracy	± 0.003mm	± 0.001mm
Power	< 2kW	
Dimensions	(Length x Width x Height)	
Main System	1300mm x 170mm x 220mm	
Controlling System	850mm x 550mm x 550mm	
Cooling System	600mm x 420mm x 700mm	

SWAMI SAMARTH CONSULTANTS

Innovative Automation Engineers

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