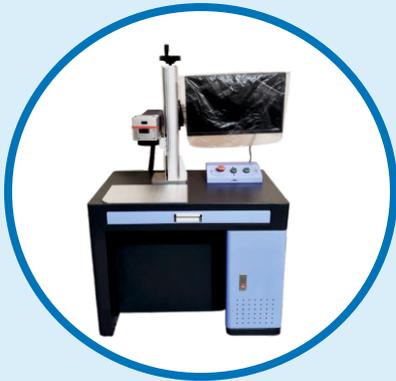# SNMT

SN Machinery & Tools

Sale & Service

Fully Automatic Laser Marking Machiine

Portable Laser Marking Machine

Auto focus Laser Marking Machine

Table Top Laser Marking Machine

Fiber Laser Marking Machine

Heavy Mould Laser Engraving Machine

Fly Laser Marking Machine & Engraving Machine

Machine Specifications				
Model	**SNMT 20**	**SNMT 30**	**SNMT 50**	**SNMT 100**
Laser Power	20W	30W	50W	100W
Guide/Pointer	Red Semiconductor laser, Class 2 Laser, Maximum Output 1W or less			
Scanning Method	Galvano Scanning Method			
Marking Field (MM)	100x100/ 200x200/300x300			
Min. Line Width	0.03mm			
Character types	English uppercase letters, English lowercase letters, Numerals, true type front-309, JSF Font-7 Dotmatrix Font-1, symbols			
BarCodes	Code39, Code128(GS1-128), ITF, NW-7, EAN/UPC, GS1 DataBar Limited, GS1 Databar Stacked, FGS1 DataBar Limited CC-A , GS1 DataBar Stacked CC-A			
2D Codes	QR Codes, Micro QR Codes, Data Matrix, GS1 DataMatrix, PDF 417			
Figure Data	DXF, HPGL, BMP, JPEG, AI, JPC, SVG, PIT			
Cooling Methods	Head naturally air cooling controller forced air cooling			
Power Supply (Note 5)	220-264 V AC (Including power voltage fluctuation of ± 10%), 50 Hz			
Power consumption (Note 6)	700 VA or Less (3.2 A or less)			
Ambient temperature (Note 7)	0^0 to 40℃, +32 to 104 ^{0} F			
Supplied softeware	Ezcad			
OS supported by the supplied software	Window 7/ Window 10			

Material Compatibility Chart				
Material			**FAYb Laser Marker**	**Co2 Laser Marker**
Metal	Iron		•	X
	Carbon Steel		•	X
	Alloy Steel		•	X
	Copper, Brass		•	X
	Aluminium Alloy		•	X
	Magnesium Alloy		•	X
	Titanium Alloy		•	X
	Nickel Alloy		•	X
	Gold, Silver		0	X
Resin	ABS (Acrylonitrile Butadiene Styrene)		•	X
	EP (Epoxy)		•	X
	PA (Polyamide / nylon)		•	0
	PBT (Polybutylene Terephalate)		•	0
	PC (Polycarbonate)		•	0
	PE (Polythylene)		0	0
	PET (Polyethylene Telephthalate)		0	•
	PF (Phenol)		•	•
	PMMA (Acrylic)		•	0
	POM (Polyaceta)		•	0
	PP (Polypropylene)		•	0
	PS (Polystyrene)		•	0
	PU (Polyurethane)		•	0
	PVC (Polyvinyl Chloride)		0	•
Others	UF (Urea)		•	•
	Silicone Resin		0	0
	Ceramics		0	0
	Wood		Δ	•
	Paper		Δ	•
	Glass		x	•
	Rubber		•	•

Material Compatibility Chart • = Good   o = Usable   Δ = Incompatible   x= Non-Usable

Recommended use of a dust collector

Depending on the object being marked. harmful gasses or smoke that have a detrimental effect on the human body or the laser marker may be generating during marking. If your application falls under this description. use a dust collector.

Safety standards for laser beam products

A laser beam can harm human being's eyes. skin, etc., because of its high energy density. IEC has classified laser products according to the degree of hazard and the stipulated safety requirements. The LP- V series are classified as Class 4 laser.