

MM3D Laser Marking Machine

Support standard and non-standard surface marker

Cutting/Deep Carvind/Relief • 3D Molding • High & Low Position Marking



Product Application



Standard & non-standard surface marking

- Standard surface: For standard surfaces such as spherical and inclined surfaces, it can be directly marked;
- Import the STL model, project or attach the marking content to the irregular surface for marking;



Rotary marking

- Support mark around workpiece
workpiece rotate while marking

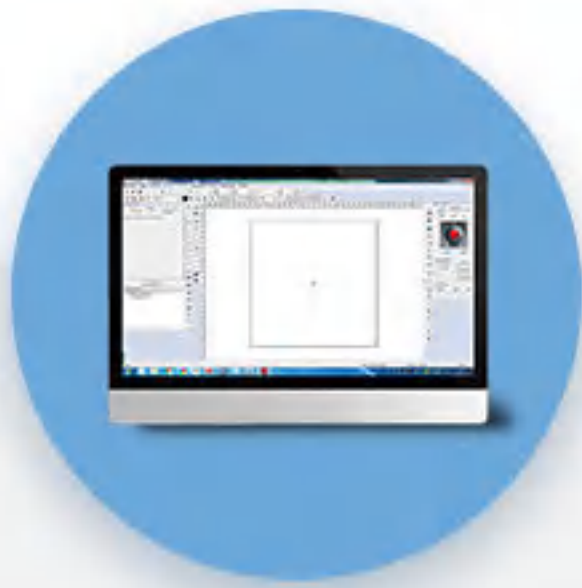


Cutting, deep carving/relief

- With a built-in dynamic Z in Galvo, the focal length can be auto-adjusted in cutting without manual involved.
- Breaking through the focal length limitation of 2D, the depth can easily reach more than 2mm+.



Equipment Features



MM3D Software

- Markingmate' s powerful function can meet more than 90% of the marking application needs;
- Provide diversified drawing functions, can be imported into a variety of format files and 1D and 2D bar code;
- Automatic text source can be automatically accumulated numeric serial number, read system date from the text file;
- Multiple languages to choose from, support multiple Microsoft operating systems;



Precision 3D galvanometer

- Using quartz lens material, effectively avoid power loss and field lens deformation;
- Provide precise lattice method correction lens, calibration file, ensure no distortion marking;
- The scanning speed is $\leq 7000\text{mm/s}$, meeting the requirements of high-speed on-the-fly marking;

Applicable Fields



COMMUNICATION



GLASS CERAMICS



ELECTRONIC



METALLIC MATERIALS



COSMETICS



FOOD PACKAGING



BUILDING MATERIAL



GIFT WRAPPING

Specification

FIBER LASER MARKING MACHINE				
Model	CK-D-30 FB3D	CK-D-60 FB3D	CK-D-100 FB3D	CK-D-200 FB3D
Laser power	30W	60W	100W	200W
Wavelength	1064±5nm	1064nm	1064nm	1064nm
Pulse width	90~110ns	2~500ns	2~500ns	2~500ns
Pulse energy	1~1.2mj	2mj	1.5mj	1.5mj
Frequency range	30~60KHz	1~4000KHz	1~4000KHz	1~4000KHz
Lens	Ordinary Field Lens	Quartz Field Lens	Quartz Field Lens	Quartz Field Lens
Marking speed	≤7000mm/s			
Marking depth	<1mm			
Dynamic Z speed	≤3000mm/s			
Marking range	Optional 70*70mm—600*600mm			
User operation	Highly integrated computer, genuine Windows 10 system, with MM3D software			
	International language version			
	Power supply and cable length 3~5m			
	I/O interface, foot switch, emergency switch, warning switch and other communication interfaces			
Working requirements	Electricity demand: 110V~240V, 50/60Hz			
	Ambient temp.: 0~40°C			
	Cooling method: air cooling			
Size/Weight	Scanhead: 201*111.4*101.5mm, Cabinet: 85*65*145cm			
	Weight: 32KG	Weight: 35KG	Weight: 40KG	Weight: 45KG
Optional Accessories	Smoke purifier, rotating shaft			
Extended function	Visual positioning, XY slide table etc.			
Diagram of 3D galvanometer				