# DS-LMC 3D Laser Marking Machine

## Introduction:

DS-LMC CO2 laser marking machine output laser beam to make permanent marks on the surface of various materials. The effect of marking is to expose deep material through the evaporation of surface material, thereby engraving exquisite patterns, trademarks, dates, LOGO or text. At present, CO2 laser marking machines are mainly used in some occasions that require finer and higher precision.

## Applicable materials:

- Applicable to most non-metallic materials, such as leather, cloth, wood, bamboo, paper, organic materials, acrylic, plastic, epoxy, ceramics, rubber, etc.

## Applicable industries:

- It is used in food, medicine, wine, electronic components, integrated circuits (IC), electrical appliances, mobile communications, building materials, PVC pipes, clothing accessories, architectural ceramics, beverage packaging, fabric, rubber products, shell nameplates, craft gifts, leather, fabrics, bamboo and wood products, label paper and other industries.
- Typical application cases, such as laser flying marking on packaging boxes, coding printing on paper and metal detonator shells, etc..

## Advantages:

- Suit for engraving irregular objects,such as round,conic,concave,convex surface.
- High efficiency
- High precision
- High performance
- Faster engraving speed
- Easy operation
- High photoelectric conversion efficiency
- Smaller beam spot size
- Long lifetime
- No consumable parts
- Support formats: PLT, DXF, BMP, JPG, and so on.
- Rich extensions:rotation,conveyor,xy table,motorized up/down, auto focus,etc.

## Technical parameter

| Model | DS-LMC30 | DS-LMC60 |
|---|---|---|
| Laser power output | >30W | >60W |
| laser wavelength | 10640±10 nm | |
| Aperture of galvo head | 30mm | |
| Marking area | 300x300mm/400x400mm | |
| Z axis focus | ±20mm | |
| Pulse frequency | 1~100KHZ | |
| Max marking speed | 8000mm/s | |
| Repeat accuracy | ±0.001mm | |
| Min.line width | 0.22mm | |
| Min.character size | 0.35mm | |
| Cooling | Air cooled | |
| Working temp | 5~35 ℃ | |
| Humidity range | < 70% No condensation | |
| Gross weight | 65KG | |
| Power supply | AC220V±10%,50Hz or AC110V±10%,60Hz | |

## Sample show