

2D/3D Mastering System

2D/3D Mastering is considered as one of the most reliable and difficult to repeat security hologram mastering methods. Light Logics HOLOMAST LL23DA mastering machine creates high security 2D/3D and full 3D holographic images. The system uses high quality optics, honeycomb vibration isolation table with pneumatic legs, fine opto-mechanics and laser cut positioning components, along with a Japanese He-Cd laser, which is rated as the best in the industry. HOLOMAST LL23DA is designed to deliver repeatable performance and recording of quality master holograms that embodies finely crafted security features



A working System

Component List

Pneumatic Honeycomb Vibration isolation table - 4 ft x 6 feet – 1 number
He-Cd Laser (Japanese laser) 100 mW polarized – 1 number

Coated Optics – 1 set

Laser Mirrors
Low absorption Variable Density Beam Splitter
Lenses – 1 set (includes spatial filter lenses)
Typical matched optical components – 1 set

Precision Mounts with magnetic base – 1 set

Precision Adjustable Mirror Holders
Precision Adjustable Lens Holders
Precision Beam Splitter Holder
General Precision Holders
Mechanical shutter – 1 no (Optional: Electronic Shutter)
Matched Spatial filters – 2
Plate holders with laser cut registration - 3 set

Security Features of Holograms

2D/3D holograms of up to 55mm x 55mm size
Three colors assignment per layer
CLR Image
Micro text
Animation
Film Readable Image
Raster Image
Random color raster image

Plus

Full 3D Image (optional)
Fringe modulated Images(optional)
Custom security features (optional)



Originated High Security Master



Laser and the Hardware