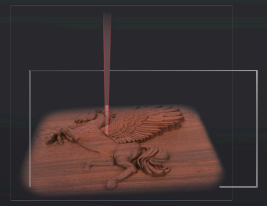
Core technology

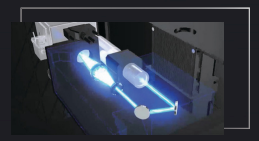
3D embossment function

Use the 3D embossment function to accurately strip the object surface layer by layer with laser and form stereoscopic images.



3-axis dynamic system

The "3-axis" optical path system subject to 3-axis control can make the focal distance freely variable through the 3-axis lens offset.

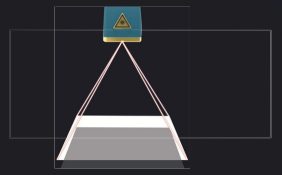


3D marking function

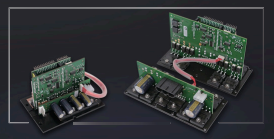
The economic CO^2 marking machine adopts a new generation of 3-axis dynamic focusing control technology, which can perfectly solve the problems for sculptures of such irregular surfaces,such as: curved surfaces, rough surfaces,step surfaces and heteromorphic surfaces.

Dynamic focusing large-span technology

The dynamic focusing large-span technology has integrated the marking and cutting abilities, featuring larger effective coverage, higher degree of fineness and better uniformity.



New substitue product



Standard series Super series

More stable control system

Adoption of all-digital control card from Germany, strong drive capability (2500W), wonderful capability of resisting disturbance.

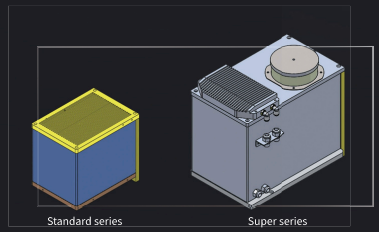
Standard series Super series

Better optical system

With the adoption of zinc selenide lenses and high-power coating, the light transmittance can reach to more than 99%, withstanding 3000W high power with good stability, low thermal expansion coefficient.

Stronger cutting ability

Equipped with a 2.5-inch large optical focusing system, the spot is 40% smaller than the normal, while the energy is doubled, and the cutting ability is enhanced several times over.



Standard series Super series

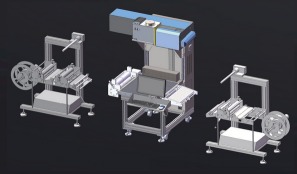
Optics Optics

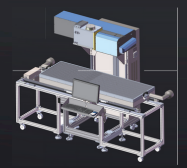
Standard series Super series

Higher speed drive system

With a large load capacity, the motor has better heat dissipation and stronger control capability. Combined with a larger galvanometers lens, it can achieve a better, more sophisticated beam and high-speed scanning when controlling rotational intertia at the same time.

Expanded function





Roll-to-roll system

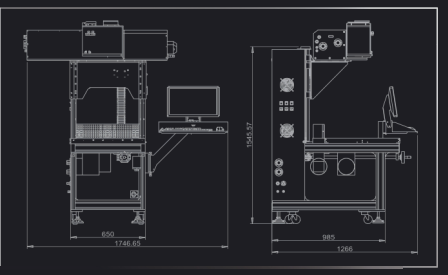
Realize automatic feeding/rewinding function, effectively save labor costs, reduce the feeding time and increase the production efficiency.

Mobile platform

It can quickly complete marking and thus improve the work efficiency. It is suitable for industrial processing sites characterized by large batches, high speed and continuous production.

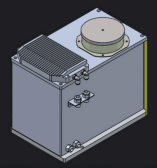
Technical parameters

Model	SUPER
Average power	180W/250W/350W /450W/500W
Pulserepetition frequency	1-130khz
Wavelength	10640nm
Marking range	450mm*450mm 550mm*550mm 650mm*650mm
Marking mode	XYZ 3-axis dynamic focus
Minimun line width	0.2mm
Repeat accuracy	⩽ 10000mm/s
Cooling system	Water cooling
Environment	Ambient temperature 15-30℃ / humidity20-80%/ Storage temperature-20-50℃
Device size	1747mm*1266mm*1780mm
Optional configuration	Electric lift、Auto focus、CCDetc



ASER

The new upgrade



It has better optical system, higher speed drive system and stronger control system, it is more efficient and more cost-effective and better result than ordinary scan heads.

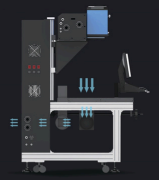
Ingenuity Design

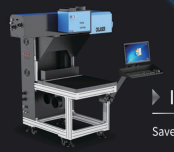
Unique folding cavity design

The unique folding cavity design can help achieve better beam quality, smaller spot diameter, finer product effect, good uniformity and high consistency.

Adsorptive platform

It can make object close to the working plane, prevent object from position deviation; Meanwhile, the exhausting system can better absorb smoke and dust, ensure the stability in continuous marking process.





Integrated design

Save space and floor area.

CKLASER

CKLASER

CKLASER

CE FDA

3D Laser Machine

Ingenious design | Core technology | Intelligent

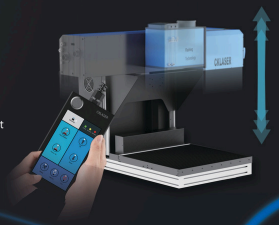
Super CO_2 Laser Marking Machine

SUPER series

Upgradeable

Motorized lift

Use the handle function to control the fast lifting of the light base platform.



CCD positioning

CCD can capture the feature points of the processing target, match the data with the target area, automatically work out the target coordinates and thus achieve the high-precision positioned processing.

Auto focus

Touch once to achieve the function of focusing to reduce errors and complete the marking preparation quickly.

CKLA