



super CO2 laser marking machine

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Application Introduction

1. It's widely used in many non-metal materials, such as: leather, fabric, paper, PVC, rubber, wood, ceramics, glass, plastics (Acrylic resin, synthetic fiber, PE, PT, PVC) and so on.

2. It's applied in many industries, such as: shoes, garment, clothing accessories, pharmaceuticals, packaging, toys, food, beverage, medicine, daily-use cosmetics and other industries.

Application Samples



Leather



Cardpaper



Wood



Foil paper



Jeans/Denim



Lightback panel

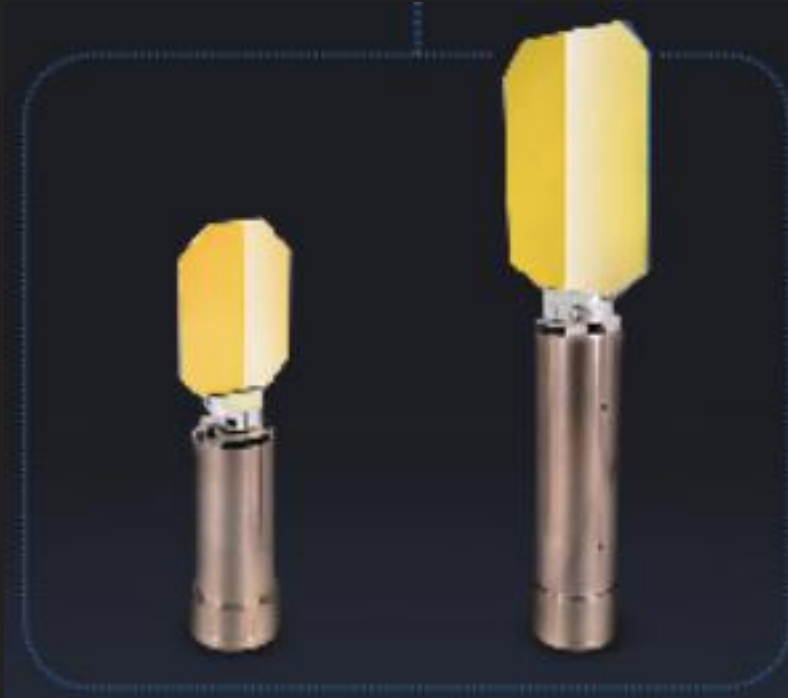
Why is called super?

1. Larger optical lens with smaller spot



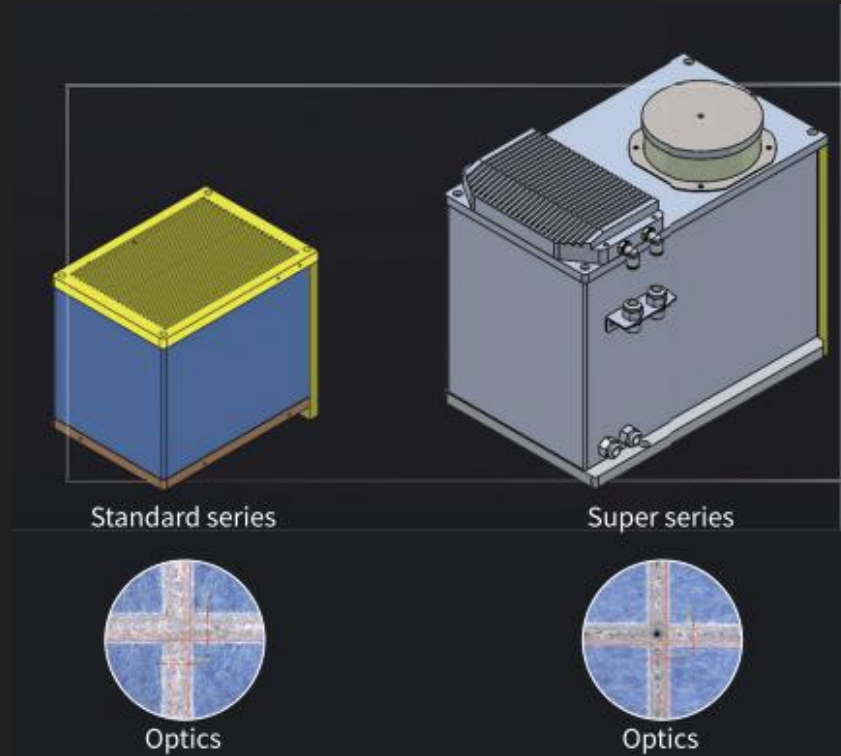
With the adoption of zinc selenide lenses and high-power coating, the light transmittance can reach to more than 99%, withstanding 3000W high power with good stability, low thermal expansion coefficient.

2. Larger motor and mirror



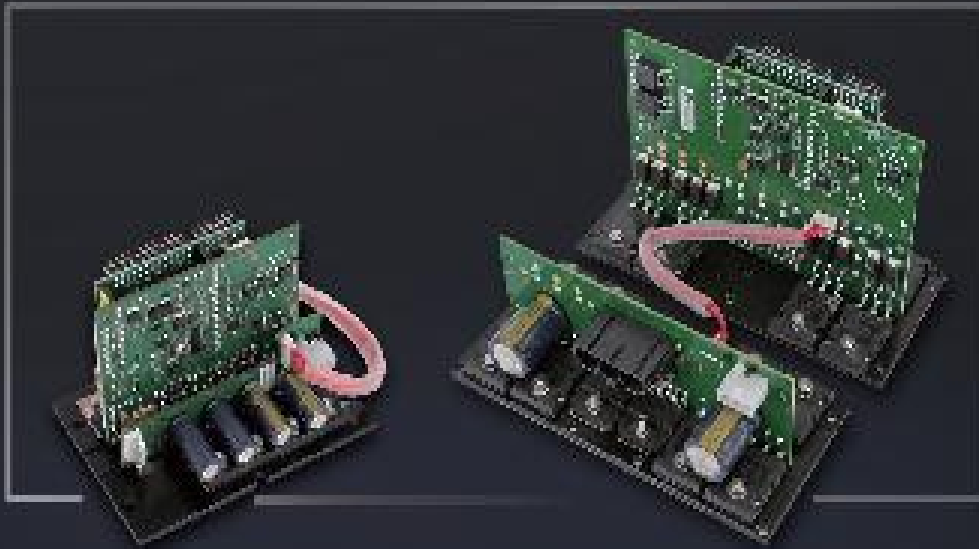
With a large load capacity, the motor has better heat dissipation and stronger control capability. Combined with a larger mirror, it can achieve a better, more sophisticated beam and high-speed scanning when controlling rotational inertia at the same time.

3. Stronger & more accurate cutting efficiency



With large lenses, larger 2.5 inches galvanometers, the spot is 40% smaller than the normal, while the energy is doubled, and the cutting ability is enhanced several times over.

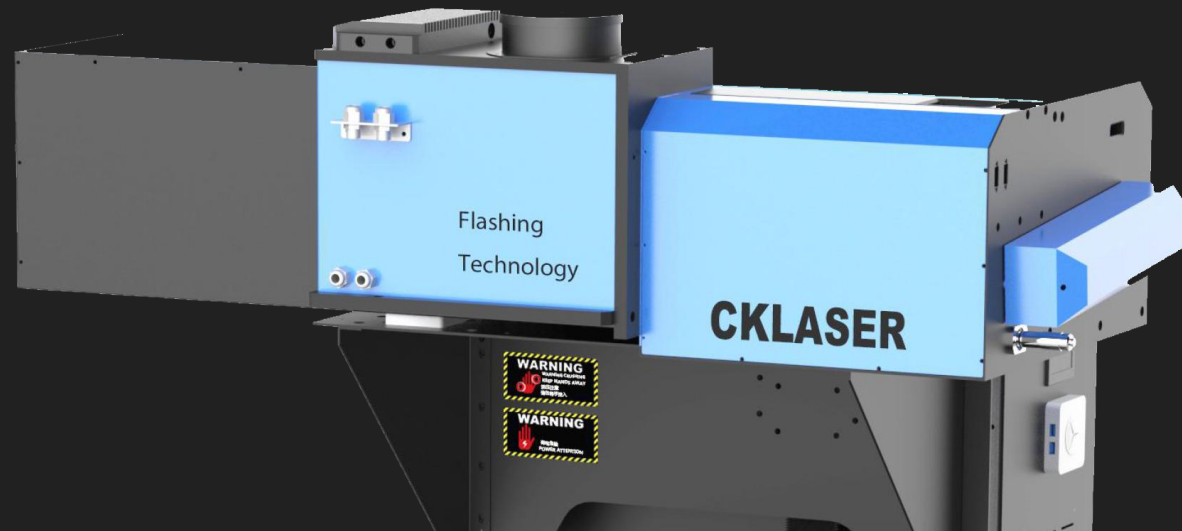
4. Stronger & more accurate cutting efficiency



we use Germany all-digital control card technology, the control drive capability can reach 2500w, with good anti-interference ability

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.

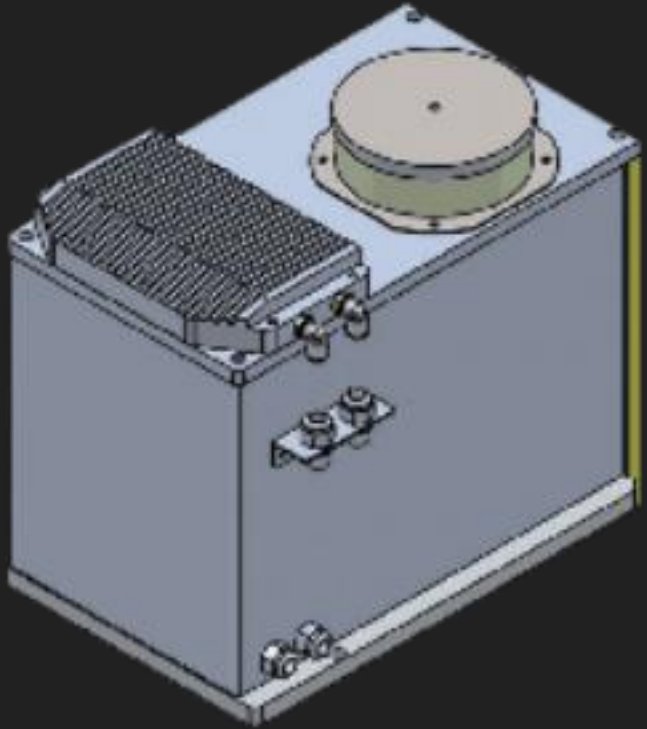
Integrated design



Save space and floor area.



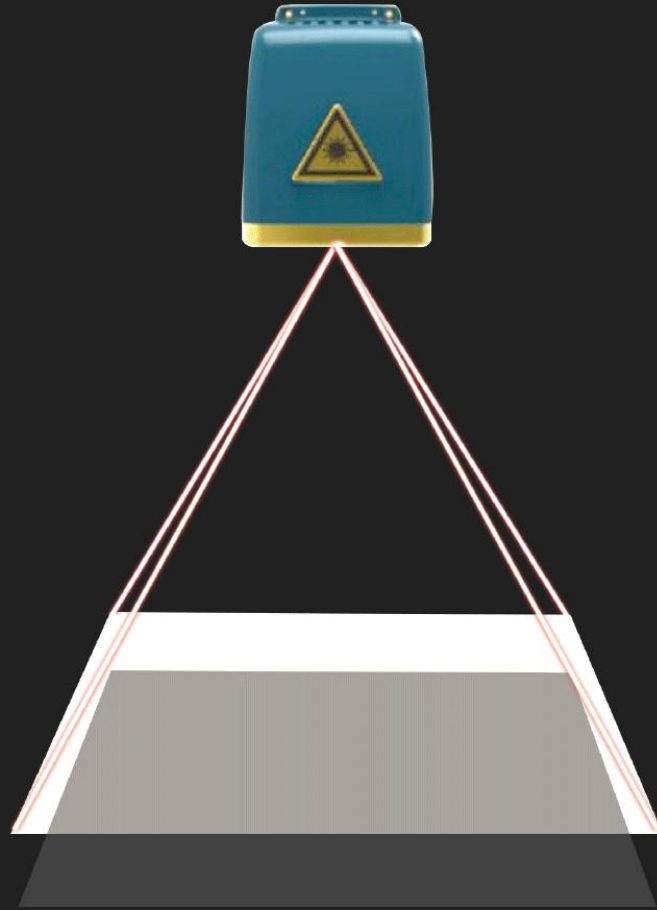
Exclusive big head design



Optical path system, control system and drive system are better, more efficient and cost-effective than ordinary scanning heads.

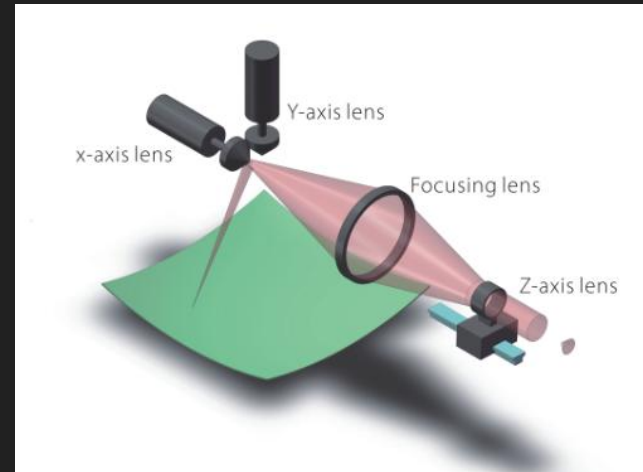
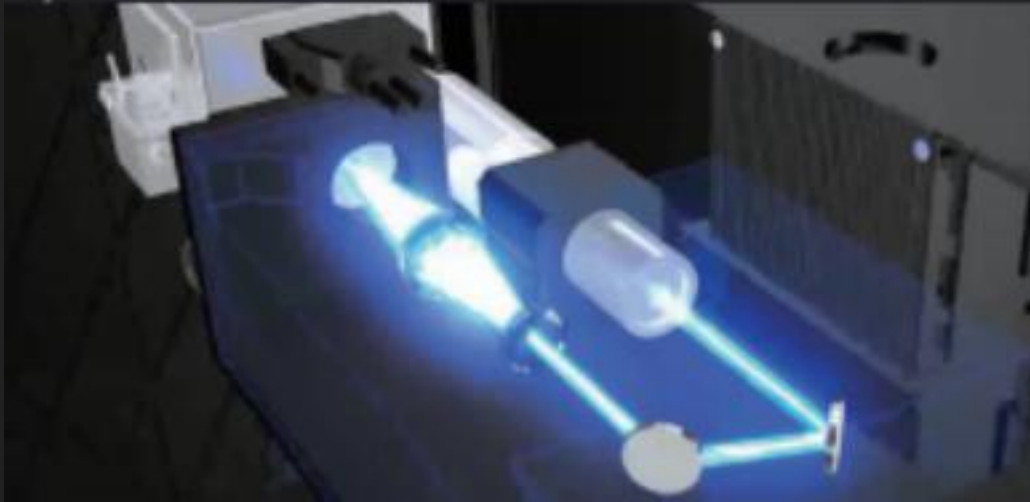
Core technology

Dynamic focusing large-span technology



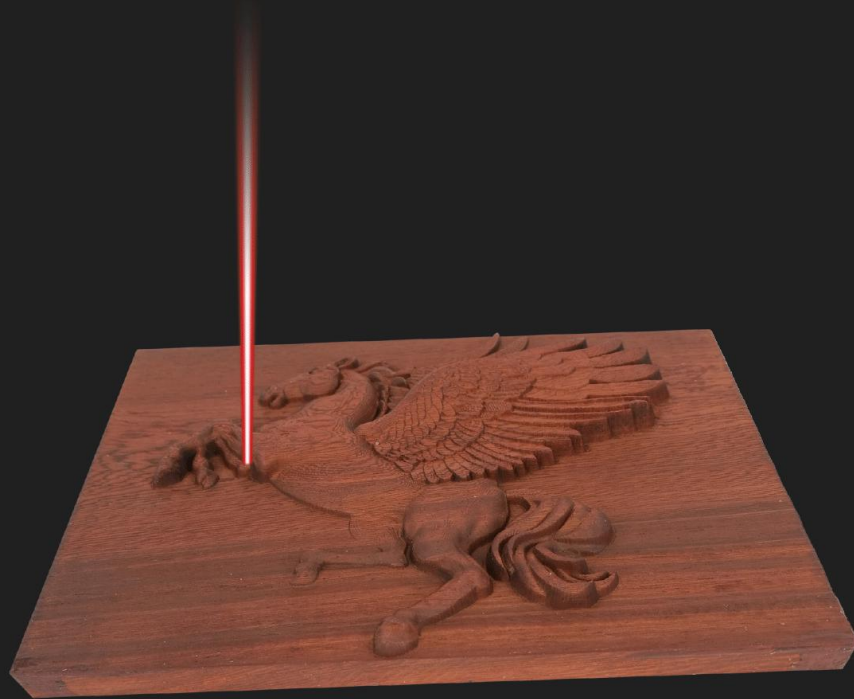
The dynamic focusing large-span technology has integrated the marking and cutting abilities, featuring larger effective coverage, higher degree of fineness and better uniformity.

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 embossment function



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



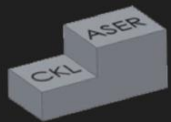
CKLASER

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The economic CO2 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.

Upgradeable-Optional functions

Motorized lift



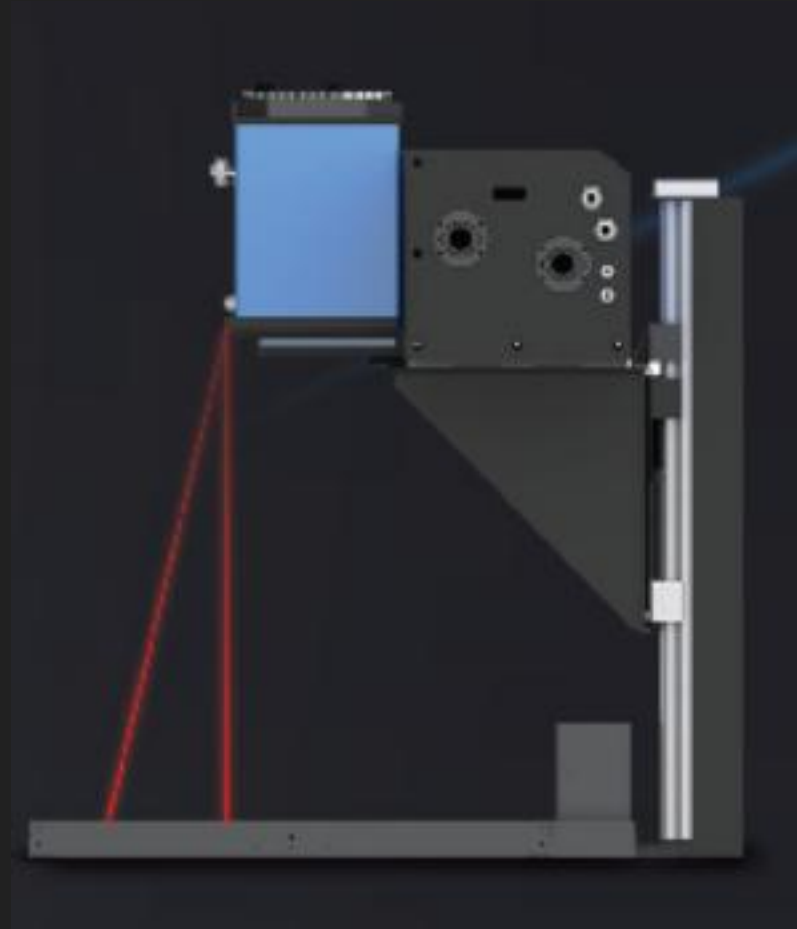
Use the handle function to control the fast lifting of the light base platform.

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



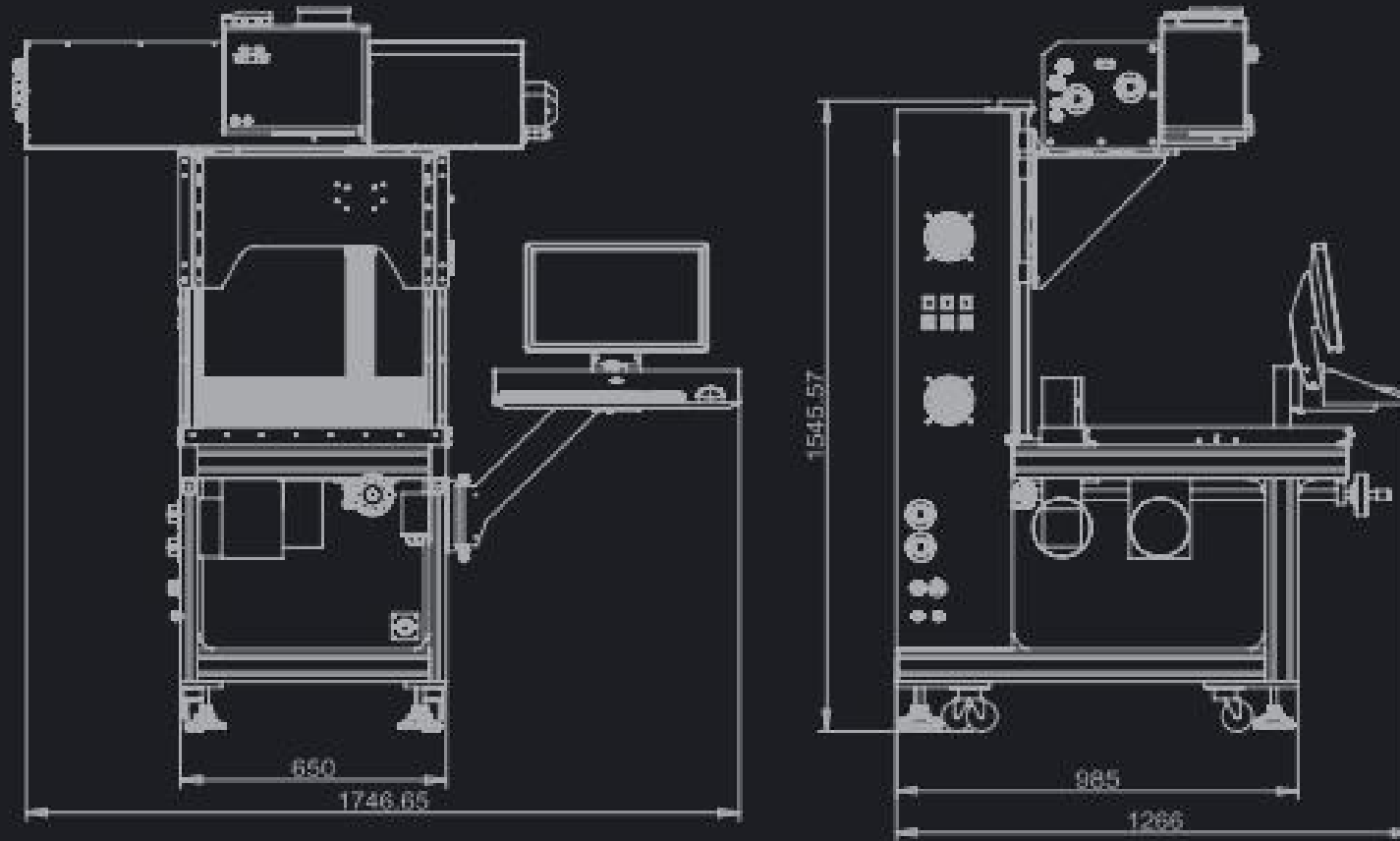
Touch once to achieve the function of focusing to reduce errors and complete the marking preparation quickly

E x t e n d e d f u n c t i o n

Technical Parameters

Model	SUPER
Laser Power	180W
repeat frequency	1-130khz
Laser wavelength	10640nm
Marking area	450mm*450mm 550mm*550mm 650mm*650mm
Marking method	xyz
Min line width	0.2mm
Marking speed	≤10000mm/S
cooling method	Constant temperature cooling group
Environmental requirements	Constant temperature 15 ° C; humidity 30-80% No condensation
Dimensions	1747mm*1266mm*1780mm
Optional	Motorized lift, auto focus, CCD, etc.

Dimensions



Comapny Brief Intorduction

1. CKlaser is a technical company with 12 years manufacturing experiences and good selling reputations, strong R&D ability in 3Dsoftware,mechanical design and electrical design. we have our own big factory land.
2. Exported to over 50 countries, over 80 patents, 170 employees, 2 cooperated high school, sales volume over 10,000sets, Big & Brand cooperation clients: BYD, South Korea Samsung, Dongfeng Peugeot, Volkswagen, Philips, Foxconn, Huawei Honor 9...
3. we are one of the biggest clients of Germany ROFIN in Asia.
4. we have 75% marketing share in China industries of leather, cardboard, denim, Garment accessories, LGP, wood, 3C electronic products, bronzing film.. and other non-metal industries.
5. Manuels: software operation manuel, machines specification manuel, training manuel, sales manuel, operation videos....
6. professional after-sale engineers team: offer 24 hours on-line support, free training..

Comapny Brief Intorduction

7. European quality standards, our German agent has high standards for machines, imported core components such as IPG, CTI.
8. The company has a complete QC team to check,
9. Passed CE, FDA, IP54 certification
10. we have agents all over the world, relying on good reputation to get old clients' repeat order every year.

Videos

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