

LR-7051 Flying CO2

ESSART

You Imagine... We Serve...

◆ Who we are - CC-30F 30W flying CO2 laser marking machine

For the passed 3 years,we sold TIJ hand printer and online printers very well,
But in some cases,we still cannot meet customer requirements:

sometimes because customers need fast speed,
sometimes because the TIJ printer consumables are expensive,
sometimes because our value customer company develop fast,they need
better equipment.

So this year we developed the Laser marking machine,
Our laser marking machine engineers are in the marking industry more
than 15 years,And they have strong technology in this field,most Chinese big
company use our laser machines.We can make the OEM laser machines according to
customer different products. Of course,we also provide fast and good after sales service.

Wherever you need coding, wherever we are.



◆ Automated intelligent processing, high performance, highly efficient and stable marking

CO2 Laser Marking Machine uses advanced closed continuous carbon dioxide laser,working
life is more than 20,000 hours.It applies to laser cutting, engraving and marking.

The difference between flight marking machine and laser marking machine which is only to
stationary objects marking is: Products flow constantly on production line in the process of
coding engraved,thereby greatly enhancing the efficiency of production to make laser marking
machine meet the requirements of industrial production.

◆ Main Features

- 1) Advanced configuration, stable performance, high efficiency.
- 2) Integrated design, easy to move and operate.
- 3) Perfect marking, preventing counterfeit.
- 4) Professional flight marking system, easy operation, easy to edit any pictures and fonts.
- 5) Suitable for mass production, flight marking on production line

◆ Application

Used for security to promote the brand and crafts, etc. With only encoding of anti-fake telephone checking system. It allows consumers to verify if it's authentic products and increase brand awareness.

It's applicable to all kinds of metal and layers, sanitary ware, medical equipment, eyeglasses and clocks, auto parts, plastic sheet materials, electronic hardware. It is used in higher areas in depth, smoothness, finesse.

◆ Technical Parameter

| Technical Parameters | | | |
|----------------------|---|-------------------|---------------------------------|
| Model | CC-30F | Repeat accuracy | ± 0.002 |
| Power | 30W | Power supply | 220V/50Hz |
| Laser wavelength | 10.6um | Power consumption | 500W |
| Laser frequency | 20~80KHz | Cooling | Built- in air cooling |
| Gaussian beam | 1.4 ± 2 | Laser device type | CO ₂ RF Laser source |
| Marking range | 100*100mm | Working life | 20,000 hours |
| Marking depth | 0.01~0.03mm | Operating system | Linux or Windows |
| Marking speed | ≤ 8000 mm/s | Control interface | SD/USB2.0/Communication |
| Minimum linewidth | 0.03mm | Dimension | 650mmx520mmx1480mm |
| Minimum character | 0.5mm | Total weight | About 75kg |
| File format | All the characters/ fonts of WINDOWS operating system | | |

◆ Configuration

| Configuration | |
|---------------------------------|--|
| Laser source | DAVI(30W) |
| Focusing system | Double red light focusing system |
| Marking indicating system | Built-in contour, size, orientation, position indicator |
| Lens system | Import wavelength, a full range of chipsets |
| Cooling system | Air cooling |
| Laser galvo | Integrated optical bench design, professional digital galvanometer, high speed galvo |
| Professional laser control card | Static most professional marking software |
| Computer | Touch screen computer |
| Bracket | 3D mobile scaffold |



DAVI CO2 laser Source

Brand:DAVI

Original: China

CO2 Radio Frequency laser generator uses CO2 molecule vibration rotational transitions between energy levels. The power and energy conversion efficiency are high, vso the output pulse energy and power have reached a higher level. It is widely used in marking, cutting, drilling, chemistry,

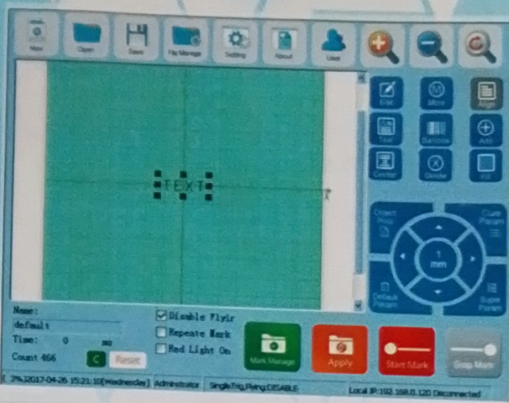
Double red light speed digital galvanometer

Brand: SCANLAB

Original: Germany

New Germany high-speed scanning galvanometer, reliable quality, beautiful appearance, built-in double red light focusing marking instructions. Features include compact and flexible, adjustment-free, maintenance-free, high stability advantages.





Industrial control computer

Brand: MAC

Original: China

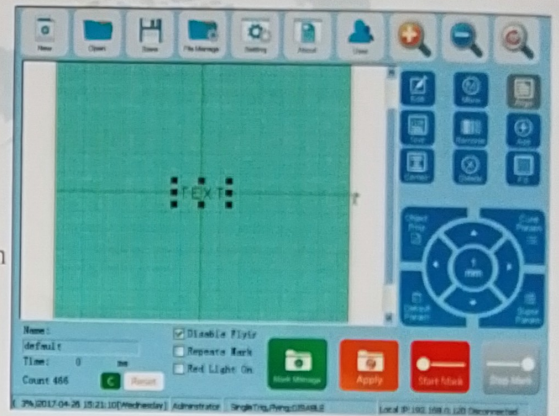
Machine is with Cable-free assembly design in nice shape, features include low power consumption, stable performance, powerful performance.

Touch flight marking system

Brand: MAC

Original: China

This system is currently the most advanced marking software. This software develops base on flight marking, windows operation and interface is very friendly, it can be very easy to edit any text pattern. The user could finish learning it for only one day if has basic computer knowledge.



◆ Sample display



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For more information

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