



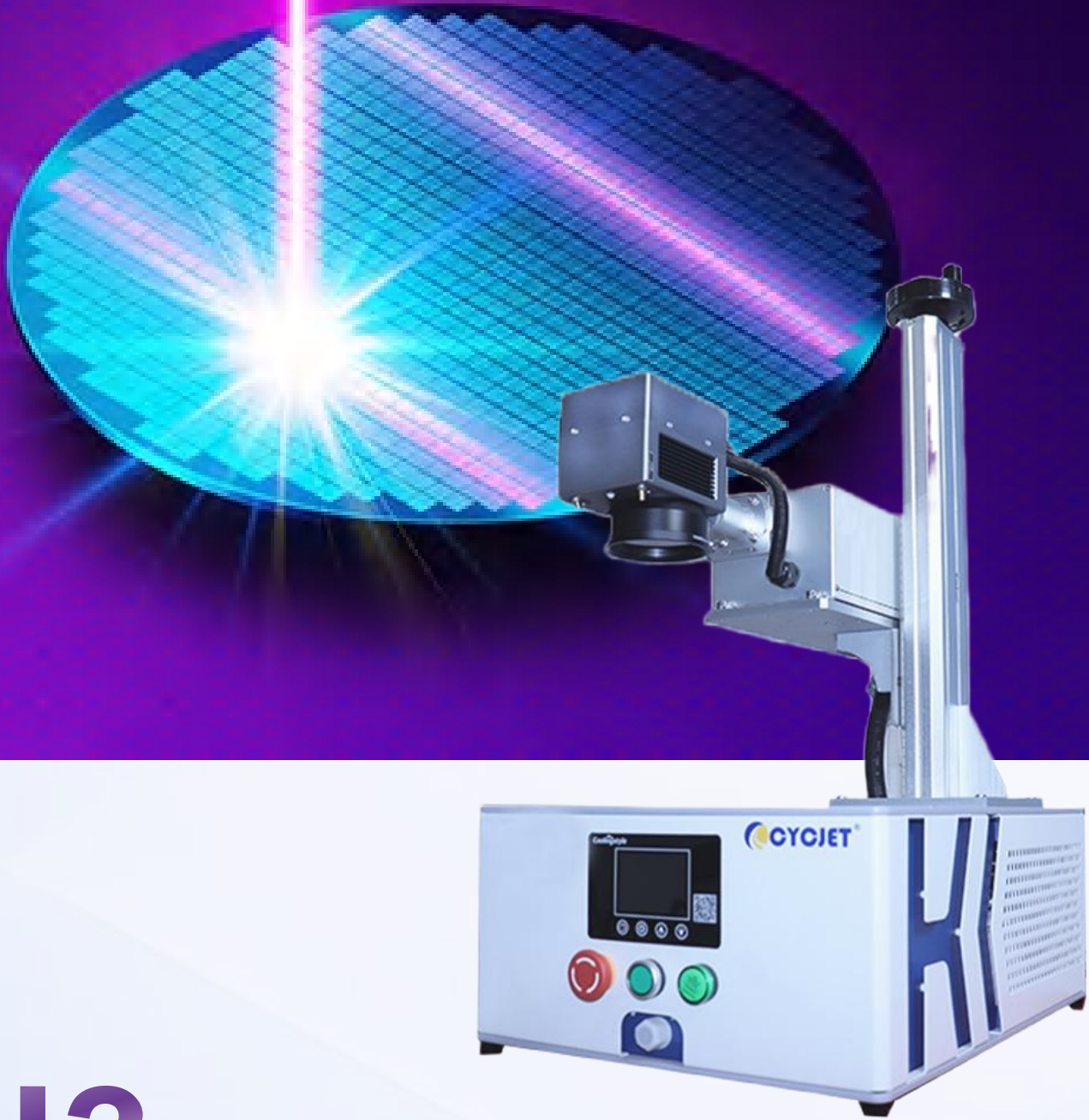
SOLUTIONS



SERVICE



TECHNOLOGY



LU3

BROCHURE



LU3 UV LASER

High contrast marking on sensitive materials

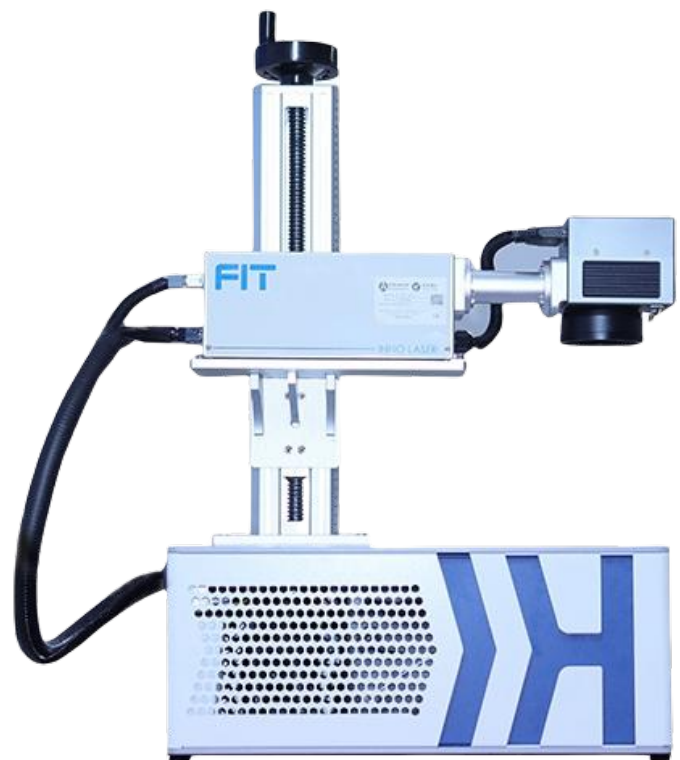


1 | PRODUCT DESCRIPTION

The wavelength of CYCJET LU3 ultraviolet laser is one-third (355nm) of the basic wavelength laser (1064nm), which can be used for marking without thermal damage, also known as "COLD MARKING". The focus is very small, and through photochemical effects, permanent color changes can be formed on the surface of the object without affecting the material itself. Mainly used for ultra-fine marking, especially suitable for applications such as food, medical packaging materials, glass materials, silicon wafer spheres, etc.

2 | ADVANTAGES

- High beam quality, small focused spot, clear, fine and exquisite markings
- The UV marking machine uses a cold laser, which has no thermal effect and avoids deformation, damage, or combustion of the processed material, thereby increasing the yield of finished products
- Using digital high-speed scanning galvanometer, marking speed is fast and efficiency is high
- Stable overall performance, small size, and low power consumption
- Integrated modular design, streamlined and detailed appearance, flexible application
- Can perform ultra-fine marking and special material marking



MARKING EFFECT

You can achieve higher throughput with **high quality** and **complex codes**,
30%
faster than competitor lasers



You can be **100%**
compliant with industry standards with permanent and consistent printing in conditions up to 45 °C

You can **improve** your line reliability and **coder lifetime** by **30%**, with **60,000** hours MTBF (meantime between failure)



You can achieve **uptime** of **99.9%** in tough conditions with minimal maintenance, no plant air and IP55* as standard

TECHNICAL SPECIFICATION

MODEL	LU3
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LASER MACHINE FEATURES

Machine body	Complete Aluminum Structure
Laser type	UV Laser
Output power	3W
Laser wave length	355nm
Scanning system	High precision double scanning system
Marking speed	≤9000mm/s
Controller	13" touch screen control panel
Operation system	Windows
Cooling system	Water Cooling system

LASER PRINTING PARAMETERS

Focusing Lens	Focus distance 200mm
Marking Line Type	Dot-matrix, Vector font can be printing
Min Line Size	0.01mm
Repeated Positioning Accuracy	0.003mm
Marking Area	110mmx110mm(Optional)
Positioning	Red light positioning
Line Printing	Multi-line within marking size

SUPPORTED TYPES

Font	Text, logo,number, date, time,barcode etc...
File format	CNF, PLT, JPG, CRD, BMP
Barcode	CODE39、CODE128、CODE126、QR CODE

MACHINE PARAMETERS

Power Supply	110-240V 50/60HZ
power consumption	850V
Gross weight	71kg
Package Size	84x49x106cm

SUGGEST WORKING ENVIRONMENT

15-340°C,humidity≤80%;The condensation; No vibration



Contact Us

Web: www.cycjet.com

TEL: +86-21-59970419

FAX: +86-21-59971610

Email: service@cycjet.com

ADD: 1/F, BLDG. 4, NO. 333 HUAGAO RD., HUATING
IND. ZONE, SHANGHAI(201816) P.R.C

