

Advantage UV Laser Markers

24/7 permanent high quality coding
for most applications



High Speed • Low Maintenance • Excellent Precision

- > Compact for easy integration into any production line
- > Very low power consumption, so good for your bottom line!
- > Marks onto most materials
- > Fast marking speeds of up to 700 characters per second
- > Infrared beam positioning for the ultimate in precision
- > IP55 Rated. The enhanced anti-electromagnetic design ensures stable operation in the harshest environments
- > One-button setup; Control the laser through an easy-to-use interface thats simple to understand, reducing the risk of product rework and recalls
- > No consumables required for true 24/7 operation without downtime - A definite cost saver!
- > Permanent high quality coding. Great for traceability and anti-counterfeiting

UV Laser Headlines	
Principle	Molecular Action
Focable length deviation	+ / - 0.2mm
Ambient temperature	Up to 35 degrees C
IP Rate	IP55
Laser tube life	2 years
Smoke	None
Visible and Invisible Laser Radiation Avoid eye or skin exposure to direct or scattered radiation Max average power: 50w • Max pulse energy: 1.1 Mj Pulse duration: 1-300 ns • Wavelength: 1040-1090 nm • Laser class: 4	



* Water cooling system, more efficient than fan based alternatives and will extend the life of your equipment

TECHNICAL SPECIFICATION

LU3000 FEATURES

- > UV Laser 355nm, MTBF 20000 hrs
- > Laser Power: 3W (darker quality marking only possible at lower speed)
- > Marking Mode; Flying Mark: 9000mm/second (varies by material/print quality)
Static Mark: Multiple products marked simultaneously
- > Scan Mode: X, Y axial simultaneous scan
- > Scan Speed mm/second: 12000mm
- > Marking Area; 70X70mm | 110x110mm | 175x175mm | 300x300mm
- > Character Size; 0.1mm-110mm
- > IP55 Rated
- > Fonts; Single / Double Font
- > Barcodes; QR, Code128, Code39, Code25, EAN-13 & Data-Matrix Code
- > Graphics; PLT Input / Output for an almost unlimited choice
- > Elements; Point, Linear Arc, Ellipse, Circle, Rectangle, Polygon
- > Variables; Serial Number, Text, Date, Time, Counter, Shift Code

OPERATION

- > Power; 220V AC, 50Hz, 1200W
- > Operating Environment; -10~45° C,
- > Humidity; 10-85%, non-condensing
- > Water Cooling System that's more efficient than fan alternatives & will prolong the life of your equipment.
- > 10.1" colour touch screen
- > Input/Output; Sensor/Encoder
- > SD Card, USB 2.0 & Communication Interface

DIMENSIONS

- > Laser; 579mm L x 175mm W x 125mm H
- > Cooler Unit; 284mm W x 575mm D x 420mm H
- > Control Panel; 305mm W x 55mm D x 207mm H

* Print characters per second and production line speed depends on packaging material and print content.

OPTIONAL ACCESSORIES

- > Mounting Brackets
- > Safety Guards
- > Laser Cabinets

Please refer to the relevant datasheets for more details. Prior to any quotations, we will undertake a site-survey to identify which accessories you need for your set-up.

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LU5000 FEATURES

- > UV Laser 355nm, MTBF 20000 hrs
- > Laser Power; 5W for darker quality marking without lowering speed
- > Marking Mode; Flying Mark: 9000mm/second (varies by material)
Static Mark: Multiple products marked simultaneously
- > Scan Mode; X, Y axial simultaneous scan
- > Scan Speed mm/second; 12000mm
- > Marking Area; 70X70mm | 110x110mm | 175x175mm | 300x300mm
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TRADING DIVISION OF **TPS**
Thermal Printer Support Ltd