



GREENT SUN
— Think Along Your Lines

UV Laser Marking System **Greentsun® SL500 Series**

SL500 series can provide high-contrast, durable coding, high coding efficiency, and little damage to packaging materials. They can meet a variety of applications and are perfectly suitable for the marking needs of industries like tissue, sanitary products, medicine, and daily chemicals.

Greentsun® SL500 Series is equipped with a 355nm UV laser source and uses the third-order intracavity frequency doubling technology. Compared with infrared lasers, ultraviolet light has a smaller focused spot. During marking, the short-wavelength laser directly breaks the molecular chain of the material, which greatly reduces the mechanical deformation and thermal deformation of the material (cool laser).

High-performance laser with premium beam quality delivers flawless marking; compact design integrates seamlessly into production lines for diverse environments; ultra-precise marking/engraving enhances processing results.



Printing Performance

Ultra-fine high-precision beam for flawless marking;
Fast speed, high efficiency, compact size, low power;
Non-contact marking with permanent results.

High Production Line Compatibility

Galvo-based precision marking head for fine/repeatable processing;
355nm laser wavelength delivers near-perfect results;
Seamless integration with smart conveyor systems for automated detection.

Thermal Impact

Minimal focused spot for ultra-fine marking on diverse materials;
Near-zero heat effect prevents deformation/burning

Optimized Operation

Intuitive touchscreen interface for fast control;
LED-assisted precision pre-positioning;
Centralized PC software for data management

Grentsun®SL500 Series

UV Laser Marking System

Marking Formats

Fonts: Simplified Chinese, English, Spanish, Russian and other 15 languages (optional) ;

Variables: date, serial number, time, text;

Barcodes: barcode, QR code, DM code, GS1 code ect.;

Graphics: complex graphics, trademarks (dxf, plt, jpg, png, bmp) straight line, dotted line, dot, circle, rectangle, etc.

Speed(varies with application)

Max. marking speed: 12000mm/s

Marking Area

110mm*110mm(standard) ; 140mm×140mm (options)
175mm×175mm(options); 220mm*220mm(options); 300mm*300mm(option);

Operation Interface:

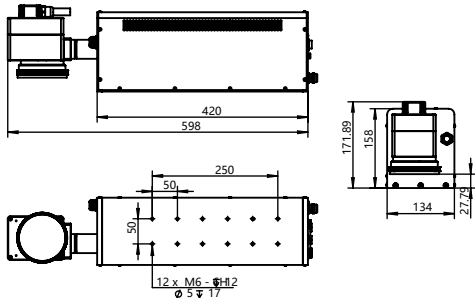
Windows or 10.1 inch color touch screen;

USB flash drive forupload and download jobs;

Standard I/O: Ethernet interface, USB, encoder, sensor,

Optional Grentsun alarm, remote interlock mechanism (dual channel)

Coding Unit Size



Storage

Regular settings are stored in advance, and can be directly called for coding or system date

Working Environment

Dust and splash proof, internal environment cooling

Working Temperature

0-40°C (32-104°F)

Humidity Environment

10%-90% non-condensing

Cooling Method

water cooling

IP Protection Level:

Reliable IP54 design (IP65 optional). Prevents multi-directional splashing water intrusion

Power Requirements

100 to 120V or 200 to 240V



GRENTSUN

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