

Desired Outcome Achieved - Enhanced Coding Quality, Long-Term Efficiency, and Cost Savings

GL 1000 CO2 Laser Marking Systems

Requires no consumables, significantly reducing operational costs and environmental impact, while ensuring high-quality codes. Ideal for businesses prioritizing sustainability, efficiency, and minimal maintenance in their laser printing solutions.



KEY FEATURES

1 Cost-Effective Solution

The GL1000 by Gressler stands out as an affordable and efficient laser coding solution, specifically engineered for essential packaging tasks across the food, beverage, and various other industries.

2 Fully Integrated

This comprehensive CO2 industrial laser marking system excels in producing consistently high-quality codes and boasts an easy integration process into both new and existing production lines.

3 Flexibility and Uptime

Its design facilitates seamless incorporation into your production cycle, capable of marking parts on the move—whether they are on a conveyor belt or being maneuvered by a robot—thanks to its modular platform that allows for custom optical configurations to suit specific requirements. Available with optional enhancements.

4 Powerful and Reliable


Notably, the GL1000 is distinguished by its robustness and reliability, built with industrial-grade components and the markings are permanent, resistant to abrasion, heat, and chemicals, making them ideal for products that undergo harsh conditions.

5 Superior Quality Codes with Low Maintenance


The GL1000 operates without the need for consumables, marking a significant advancement in reducing operational cost and environmental impact. It sets a new standard for low maintenance needs in the industry, significantly reducing operator errors and ensuring the production of superior quality codes.


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INDUSTRY & APPLICATION

- Food & Beverage
- Pharmacy
- FMCG
- Automotive
- Cosmetics & Personal Care
- Building Materials
- Electronics
- Tobacco & E-Cigarette

GL 1000 SPECIFICATIONS

| | | |
|--|---|--|
| Laser Type | CO2 Laser Marking | |
| Laser Power | 30W | |
| Wavelength | 1064nm | |
| Laser Frequency | 20K HZ - 80KHZ | |
| Focal Distance | 150mm | |
| Speed | Max 8m / second (Linear)* | |
| Laser Beam Deflection | Digital High-Speed Galvanometer Scan | |
| Marking Size | 70 x 70mm , 110 x 110mm ,175 x 175mm | |
| User Interface and System | 10'4 Inch with Android System | |
| Coding Features | | |
| Machine Readable Codes | Alphanumeric, Text, Counter, Box/Lot, Date/ Time, Best Before Date, Julian Date, Shift code, Graphic, Database. 1D & 2D Codes, Code 11, Code 39, Code 128, EAN, QR, DataMatrix, GS 1 DataMatrix) | |
| Design Software Compatibility | CorelDRAW, AutoCAD, and Photoshop, and comprehensive compatibility with a range of file formats including AI, PLT, PCX, DXF, and BMP. | |
| Supported Font and Language | Standard Windows® TrueType® (TTF), PostScript® (PFA, PFB), OpenType® (OTF) Custom fonts tailored for high-speed or OCR applications and multiple selection of languages. | |
| Operations & Integration | | |
| Operating Temperature / Humidity | 10-40 °C / 10%-90% RH, No Condensation | |
| Electrical Power Supply | 220V/50H/5A/1P | |
| Power Consumption | 300W | |
| Cooling System | Air Cooling | |
| Optional Accessories | | |
| Laser head bracket mount, user interface mount, sensor and sensor mount, print head cover, fume extraction | | |

*Speed, resolution may vary depending on application on site and substrates type.

GRESSLER SERVICE & SUPPORT

- On-demand Consumables & Spares
- Consumables Agreement
- Service & Maintenance Agreement
- Online and Remote Service 24/7
- GSC (Gressler Service Center) Network
- Rapid Response Team
- Mobile Service Vehicle
- Site service
- Preventive Maintenance
- Trouble shooting
- Spareparts Installation