

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

Model	30W	60W
Laser Type	CO2 Laser Marking	
Laser Power	30W	60W
Marking Size	110 x 110mm , 300 x 300mm	110 x 110mm, 300 x 300mm, 600 x 600mm
Lens size	110mm, 300mm	110mm, 300mm, 600mm
Wavelength	10.64 μm	
Laser Frequency	20K HZ - 80KHZ	
Speed	Max 8m / second (Linear)*	
Laser Beam Deflection	Digital High-Speed Galvanometer Scan	
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/50Hz/5A/1P	
Power Consumption	300W	Less than 500 W
Cooling System	Air Cooling	
Accessories		
Fume Extraction	While using this product for marking, the materials being marked may produce harmful gases or smoke that could negatively impact both human health and the laser marker itself. To mitigate these risks, it is important to use an appropriate fume extraction system suitable to the specific materials being marked.	
Precautions for Use		



Speed, resolution may vary depending on application on site and substrates type.
For comprehensive product details and personalized advice, please consult a Gressler Sales Advisor.
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