gressler

Precision Print Coding for a Perfect Product

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-Cigarrete

GL 1000 SPECIFICATIONS

Laser Type	CO2 Laser Marking
Laser Power	30W
Wavelength	10.64 μm
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
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.
Others	Laser head bracket mount, user interface mount, sensor and sensor mount, print head cover.

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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