

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

GL 2000 Fiber Laser Marking Systems

Designed with your needs in mind, Gressler Fiber lasers promise to revolutionize your production with unparalleled precision, versatility, and efficiency.



KEY FEATURES

1 High Precision Marking

Achieve unmatched precision and detail in your marking applications. The Gressler Fiber Laser is designed to deliver razor-sharp accuracy, enabling the creation of intricate details, fine fonts, and complex patterns with ease. Ideal for industries where precision is non-negotiable.

2 Multiple Applications

Adapt to any marking task with the Gressler GL2000 Fiber Laser's capability to process a wide variety of materials, including metals, plastics, ceramics, and more. Its versatility opens up a realm of possibilities, making it the perfect fit for diverse industrial applications.

3 Speed and Productivity

Boost your production efficiency with the Gressler GL2000 Fiber Laser's remarkable speed. Its rapid pulse rates and high repetition rates facilitate swift marking processes, enhancing throughput in high-speed manufacturing settings.


4 Low Maintenance and Longevity


Benefit from reduced operational costs and minimal downtime with the Gressler Fiber Laser's solid-state design, which requires less maintenance. Coupled with the long operational life of its fiber optic components, this machine offers enhanced cost-effectiveness over time.

5 Compact & Energy-Efficient


Integrate seamlessly into any production line with the Gressler Fiber Laser's compact design, conserving valuable workspace. Its energy-efficient operation not only lowers energy consumption but also supports cost savings and environmental sustainability.


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INDUSTRY & APPLICATION

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

GL 2000 SPECIFICATIONS

Laser Power	30W	60W
Marking Size	110 x 110mm, 300 x 300mm, 600 x 600mm	
Lens size	110mm, 300mm, 600mm	
Laser Type	Pulsed Fiber Laser	
Wavelength	1064nm	
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 wide selection of languages.	
Operations & Integration		
Operating Temperature / Humidity	10-40 °C / 10%-90% RH, No Condensation	
Electrical Power Supply	220V/50H-60HZ/5A/1P	
Power Consumption	300W	Less than 500 W
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