

GMC SERIES (CO2 LASER MARKER)



" Realized High Speed Marking with On The Fly Marking, Easy to use and economic by Maintenance Free "

LASER device which is marking safety from Low output power to High output power. We can use wide range of power and this leads to a possibility to process various qualities. It exhibits the super-high speed marking with on the fly marking. There is no burden about Maintenance and repair, which means very economical and also provides big space efficiency by able to rotate 180 degrees.

SPOT SIZE (Spot size according to Scan Mirror Size by Field Size)

F - Theta		Scan Mirror Size (mm) (Real Aperture Size)		
Field Size (mm)	EFL	8 (5,6)	10 (7)	15 (10,5)
61 * 61	100	189,3	151,4	120,0
100 * 100	159,9	302,7	242,1	180,0
156 * 156	254	480,8	384,6	256,4
300 * 300	420	795,0	636,0	502,0

- Aperture Ratio (%) is 70%
- Spot Size Unit = μm
- Real Aperture Size (mm) = Scan Mirror Size * Aperture Ratio
- ※ Spot size is a calculation value as above, it should be changed by quality.

KEY FEATURES

- 30,000 hours without Maintenance
- Economic System without expendables
- Solid Scan Head
- Single computer & DSP controller
- Data compatibility with other systems
- Multi-Language
- Can use 1D/2D Barcode
- High Marking Quality
- Maintenance Free Design



Rotary head

This product is designed such that the head can be rotated with 180 degrees for easy installation and operation.

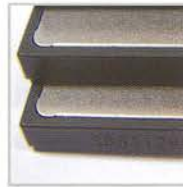
MARKING SAMPLES



Wood Calendar



Battery



Cutting



Leather



Millennium

Special feature of HARDRAM SYSTEM

1. Satisfies the various requests from consumers with self-designed H/W & S/W.
2. High resolution via original calibration technology.
3. Reduced marking time and high quality marking via marking data optimization feature.
4. Increased productivity via encoded on the fly marking.

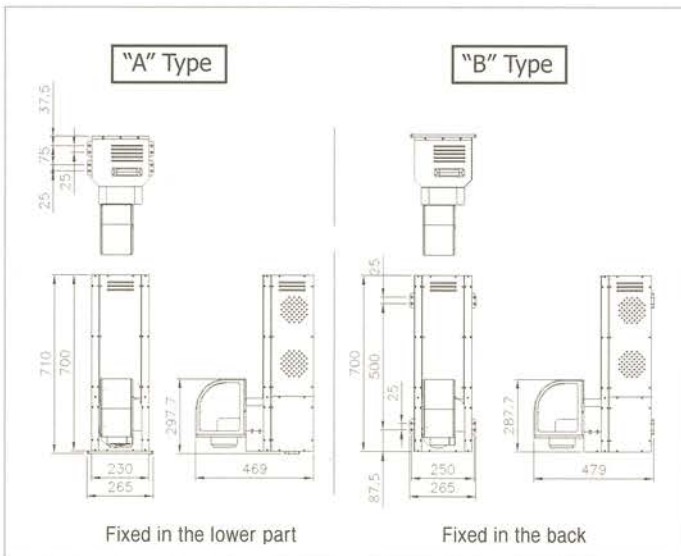
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LASER SOLUTION FOR FPD & SEMICONDUCTOR

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LASER SPECIFICATIONS

GMC Series				
MODEL	GMC - Y121	GMC - Y301	GMC - Y501	
Wavelength	10,57um - 10,63um			
Beam Mode	TEM ₀₀			
Marking Scope	61mm x 61mm	100mm x 100mm	156mm x 156mm	300mm x 300mm
Working Distance	65mm	150mm	305mm	455mm
Marking Method	Galvanometer Scan			
Marking LASER (Maximum Output Power)	12W	30W	50W	
Spot Size	70um - 300um			
Scan speed	1500mm/sec, 500char/sec			
Cooling Method	Air Cooling			
Supply Voltage	AC 100V, AC220V 50/60Hz, 6A			
On The Fly	support			
Operating Temperature	0°C - 40°C			
Operating Humidity	Below 80%			
Controller				
CPU	Intel / Dual core			
RAM	512 MB			
HDD	80GB			
OS	Windows XP			

GMC DRAWING



SOFTWARE FUNCTIONS

- Marking order optimization
- Marking data simplification
- Encoded on the fly marking
- I/O Check Monitor
- I/O Simulation Function
- Counter Marking
- Serial Data Function
- LOT Marking
- Date Marking
- Logo Marking
- Support various files (e.g. PLT, DXF)
- Image (e.g. BMP, TIF) Marking
- Various Text Alignment (e.g. equal space, fan-shaped)
- Korean or Windows Fonts Marking
- Marking Preview
- Support Network or Remote Function
- Barcode (e.g. VERICODE, Data Matrix, CODE39, CODE128)

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