

StellarMark CIA 12 / CIA-Li 12 / CIA 30

Model No.	CIA / CIA-Li 010	CIA / CIA-Li 050	CIA / CIA-Li 070	CIA / CIA-Li 140
Working Area	10 x 10 mm	50 x 50 mm	70 x 70 mm	140 x 140 mm
Spot Size**	0.09 mm	0.12 mm	0.24 mm	0.46 mm
Repeatability**	0.001 mm	0.003 mm	0.004 mm	0.008 mm

StellarMark CIA 60Ti / 60Ti93

Model No.	CIA 60Ti / CIA 60Ti93 070	CIA 60Ti / CIA 60Ti93 140	CIA 60Ti / CIA 60Ti93 010
Working Area	70 x 70 mm	140 x 140 mm	300 x 300 mm
Spot Size**	0.24 mm	0.46 mm	0.99 mm
Repeatability**	0.004 mm	0.008 mm	0.017 mm

StellarMark CIA-HSII

Model No.	CIA-HSII 140
Working Area	140 x 140 mm
Spot Size**	0.23 mm
Repeatability**	0.008 mm

All above spot size will be material dependent.
**According to theoretical calculation.



StellarMark CIA 12/CIA 30/CIA 60Ti/CIA 60Ti93/CIA-Li/CIA-HSII Specifications

Model No.	CIA 12	CIA-Li 12	CIA-HSII 12	CIA 30	CIA 60Ti / 60Ti93
Laser Source	Wavelength	10.6 μm			10.6 μm / 9.3 μm
	Type	CO ₂ , sealed-off			
	Output Power	12 W		30 W	60 W
	Cooling	Air-cooled, no water chiller required			
Electrical Requirements	Power Supply	AC Auto Switching 115V / 230V, 50-60 Hz single phase			
	Power Consumption	740 W			1240 W
Dimensions (L x W x H)	Laser head	620 x 200 x 150 mm	285 x 184 x 560 mm	620 x 200 x 150 mm	620 x 200 x 150 mm
	Control unit	800 x 420 x 162.4 mm			
Laser Marker Weight	15 kg	17.2 kg	15 kg	17 kg	30 kg
Control Unit Weight	17 kg			19 kg	
Max Linear Marking Speed	3,000 mm/s				
Max Marking Speed	10,000 mm/s				
Operating System	Microsoft Windows 2000 / XP / Vista/32 Bit / 7/32 Bit (Desktop or Laptop PCs)				
Safety	Class 4 (Class 3R available with safety shield)				

* All spec are subject to change without any prior notice
⇒ Material dependent
‡ Specifications are subject to change without prior notice.

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Optional Items



Adjustable Z-Axis Table

Mounting Platform with Light

Fire Retardant Safety Shield

Rotary Attachment

Workstation

*Not available on StellarMark C-100 model



Authorized Dealer



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- ▶ CO₂ powered laser available in 12W / 30W / 60W configurations
- ▶ Mark-on-fly marking at constant or variable speed
- ▶ Indispensable G-Mark Basic software supports 1D, 2D, text, logo marking
- ▶ Variable sizes of working area available from 10 x 10 mm to 300 x 300 mm
- ▶ Permanent marking across a wide range of materials: glass, plastics, anodized aluminum, coated metals, and more
- ▶ I/O interface for start, stop, alarm, Emergency Stop, ready, output and input automation control signals



StellarMark is ideal for industrial applications. Not only are the key components sourced from the world's leading suppliers to ensure output quality and stability, it also has the flexibility for manufacturers to handle complex jobs with our new G-Mark Basic software. It constructively offers smart designs of password protection and error detection to prevent operators from making unnecessary mistakes, and detects problems without delay. StellarMark is built to accomplish all your needs and to achieve a higher level of productivity.

Ultimate Software Functions

Error Indication

Error messages appear when the laser marker works incorrectly. Operators can be informed by the message and solve the problem immediately.



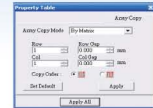
Secure Password

Three-tier password security system (Operator, Programmer, Administrator levels) restricts unauthorized access to the production line.



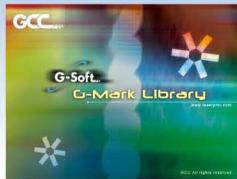
Array copy

Users can create multiple copies of a text or graphic by specifying the number of copies to be replicated and the graphic will be rendered in a matrix format.



G-Mark Library (optional)

This programmable software can be used to customize functions by using VB scripts. All commands are received in real time from a master PC and position offsets, rotating angles and sequential marking can be easily set up.



Superior Text Editing Functions

Automatic Serial Marking

With this feature, users can increase or decrease the serial part number automatically.



Font Marking Variations

This feature enables marking of a variety of character expressions via Arc Alignment, Angle Alignment, and Marking Direction.



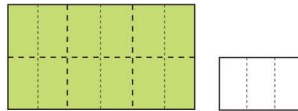
Barcode Marking

14 types of 1D and 5 types of 2D barcodes (Data Matrix, PDF417, QR Code and Maxi Code) are available.



Allow Bigger Working Area for Higher Productivity

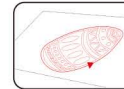
StellarMark HS series will allow user to work at bigger working area than other conventional laser and to achieve more productivity.



LaserPro working area vs. Others working area

Preview Mode

Variable-speed, red dot pointer "preview" mode outlines the marking path.



Full Path



Outline Path

Mark on The Fly (Optional)

Non-stop, "on-the-fly" marking of parts maximizes productivity. Precise laser can mark fast-moving parts while the conveyor is at constant or varying speed.



Safety Design and Certification

Emergency Stop



The machine can be entirely shut down by pressing the Emergency Stop button from controller when any emergency occurs.

Key Switch



This safety feature enables operators to keep the laser locked to avoid unauthorized use.

CE Certification



StellarMark complies with the essential safety requirement which set out in the European Directives.

RoHS Compliance



We are committed to make every effort to protect the environment. The StellarMark C-Series is in compliant with the Restriction of Hazardous Substances Directive.

LaserPro StellarMark C series

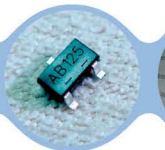
Applications



PCB



Capacitors



Passive IC



Carton Boxes



Recordable Media



Pharmaceutical Packaging