StellarMark C-12IIA / C-12IIA-Li

Model No.	C-128A.010	C-12IIA.050	C-12IIA.070	C-12IIA.140
	C-128A-L.010	C-128A-L.050	C-12IIA-L.070	C-12IIA-L.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	0.21 mm	0.41 mm
Repeatability**	0.001 mm	0.003 mm	0.004 mm	0.008 mm

StellarMark C-12IIA-HS

Model No.	C-12IIA-HS 140
Working Area	105 x 105 mm
Spot Size**	0.1 mm
Repeatability**	0.01 mm

StellarMark C-30IIA

Model No.	C-30IIA.010	C-30IIA.050	C-30IIA.070	C-30IIA.140	C-30IIA.200	C-12IIA.300
Working Area	10 x 10 mm	50 x 50 mm	70 x 70 mm	140 x 140 mm	200 x 200 mm	300 x 300 mm
Spot Size**	0.09 mm	0.12 mm	0.21 mm	0.41 mm	0.58 mm	0.69 mm
Repeatability**	0.001 mm	0.003 mm	0.004 mm	0.008 mm	0.012 mm	0.017 mm

StellarMark C-100

Model No.	C-100.070	C-100.140	C-100.200	C-100.300	C-100.400	C-100.500
Working Area	70 x 70 mm	140 x 140 mm	200 x 200 mm	300 x 300 mm	400 x 400 mm	500 x 500 mm
Spot Size**	0.21 mm	0.41 mm	0.58 mm	0.69 mm	1.06 mm	1.25 mm
Repeatability**	0.004 mm	0.008 mm	0.012 mm	0.017 mm	0.023 mm	0.029 mm

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

Optional Items

Adjustable Z-Axis Table | Mounting Platform with Light | Fire Retardant Safety Shield | Rotary Attachment | Workstation *Not available on StellarMark C-100 motor.

StellarMark C-12IIA/C-30IIA/C-12IIA-Li/C12IIA-HS/C-100 Specifications

Model No.		C-12IIA-Li	C-12IIA	C-12IIA-HS	C-30IIA	C-100
Laser Source	Type	CO_2, Sealed-off				
	Output Power	12 W			30 W	100 W
	Wavelength	10.6 µm				
	Cooling	Air-cooled, no water chiller required				Water-cooled
Electrical Requirements	Power Supply	AC Auto Switching 115V / 230V 50-60 Hz, / single phase				
	Power Consumption	740 W			1240 W	4600 W
Laser Marker Dimensions (L x W x H)		560 x 184 x 320 mm	620 x 200 x 150 mm	630 x 255 x 150 mm	620 x 200 x 150 mm	1410 x 260 x 210 mm
Control Unit Dimensions (L x W x H)		N/A	500 x 420 x 192.4 mm			485 x 650 x 180 mm
Laser Marker Weight		17.2 kg	15 kg		17 kg	42 kg
Control Unit Weight		N/A	17 kg		19 kg	22 kg
Max Linear Marking Speed		3,000 m/s			3,000 mm/s	
Max Marking Speed		10,000 mm/s			4,000 mm/s	10,000 mm/s
Operating System		Microsoft Windows 2000 / XP / Vista (32 Bit) / Win 7 (32 Bit) (Desktop or Laptop PC)				
Safety		Class 4 (Class 3R available with safety door)				

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

Leave the Marking to Us
We Know How to Make it Perfect

StellarMark **C** *series*

- CO_2 powered laser available in 12 W / 30 W / 100 W 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 500 x 500 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

Laser Marking System

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 of 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.

GCC G-Soft G-Mark Library

Superior Text Editing Functions

Automatic Serial Marking

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

LaserPro 00881	LaserPro 80310	LaserPro V0008
LaserPro 00882	LaserPro 05120	LaserPro 20008
LaserPro 00883	LaserPro 00330	LaserPro 30000

Font Marking Variations

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

1234567890

Barcode Marking

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

123456

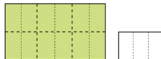C-12IIA-Li

C-12IIA / C-30IIA

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

SmartPOSITION™

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

Full Path   Outline Path

SmartMARK™ (New)

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

CE

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