## StellarMark CIIS 12 / CIIA-Li 12 / CIIS 30V

| Model No. | CIIS 010 | CIIS / CIIA-Li 050 | CIIS 070 | CIIS 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 CIIP 60Ti / 60Ti93

| Model No. | CIIP 60Ti / CIIP 60Ti93 070 | CIIP 60Ti / CIIP 60Ti93 140 | CIIP 60Ti / CIIP 60Ti93 200 | CIIP 60Ti / CIIP 60Ti93 300 | CIIP 60Ti / CIIP 60Ti93 300 Doublet |
|---|---|---|---|---|---|
| Working Area | 70 x 70 mm | 140 x 140 mm | 200 x 200 mm | 300 x 300 mm | 300 x 300 mm |
| Spot Size** | 0.12 mm | 0.24 mm | 0.37 mm | 0.53 mm | 0.48 mm |
| Repeatability** | 0.004 mm | 0.008 mm | 0.012 mm | 0.017 mm | 0.017 mm |

## StellarMark CIIA-HSII

| Model No. | CIIA-HSII 140 |
|---|---|
| Working Area | 140 x 140 mm |
| Spot Size** | 0.23 mm |
| Repeatability** | 0.008 mm |
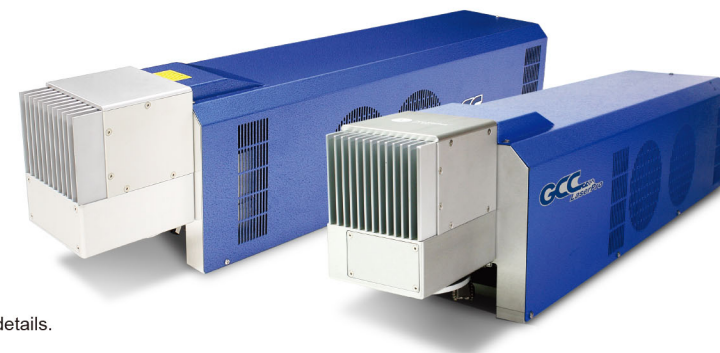
\* Speed does not equal to throughput. See dealer or visit www.gccworld.com for more details.
** File transmission at USB 2.0 Full Speed rate.
Specifications are subject to change without prior notice.

## StellarMark CIIS 12/CIIS 30V/CIIP 60Ti/CIIP 60Ti93/CIIA-Li/CIIA-HSII 12 Specifications

| Model No. | | CIIS 12 | CIIA-Li 12 | CIIA-HSII 12 | CIIS 30V | CIIP 60Ti / 60Ti93 |
|---|---|---|---|---|---|---|
| Laser Source | Wavelength | 10.6 µm | | | | 10.6 µm / 9.3 µm |
| | Type | CO2, 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 | 831 x 200 x 178 mm | 285 x 184 x 560 mm | 620 x 200 x 150 mm | 831 x 200 x 178 mm | 880 x 211 x 202 mm |
| | Control unit | 500 x 420 x 192.4 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(32/64 Bit) / 7(32/64 Bit) / 8(32/64 Bit) (Desktop or Laptop PCs) | | | | |
| Environment | Temperature | 15˚C ~ 35˚C | | | | |
| | Humidity | 10 ~ 80% Non condensing | | | | |
| Safety | | Class 4 (EN60825-1 Class 1 available with safety shield and LFC) 2006/42/EC Machinery Directive 2014/35/EU Low Voltage Directive 2014/30/EU Electromagnetic Compatibility Directive | | | | |

\* All spec are subject to change without any prior notice.
\*\* Material dependent.
∆ Specifications are subject to change without prior notice.
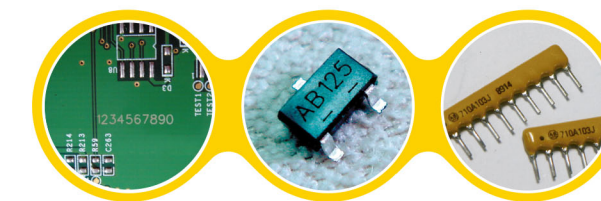
### Optional Items

Adjustable Z-Axis Table

Mounting Platform with Light

Fire Retardant Safety Shield

Rotary Attachment

Workstation
*Not available on StellarMark C-100 model

RoHS

Pb

CE

**DANGER**
LASER RADIATION - AVOID DIRECT EYE EXPOSURE
LASER DIODE 5mW MAX
OUTPUT AT 630~680nm
CLASS 4  LASER PRODUCT

LASER RADIATION –
AVOID DIRECT EYE EXPOSURE
CLASS 4  LASER PRODUCT
LASER DIODE 5mW MAX
OUTPUT AT 630~680nm
Classified by EN 60825-1:1994+A1.2002+A2.2001    LASER APERTURE

Authorized Dealer

## GCC LaserPro

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

## Stellar Mark C series

- 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

**Laser Marking System**

# GCC LaserPro

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.
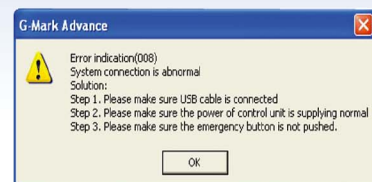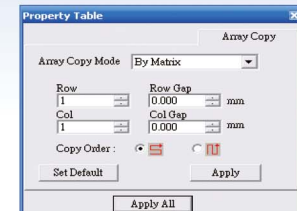
### Secure Password

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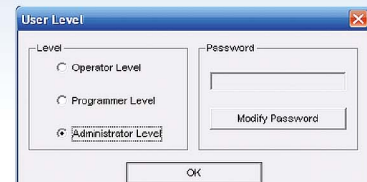
### Array copy

Users can create multiple copies of a text or graphic by specifiying 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.
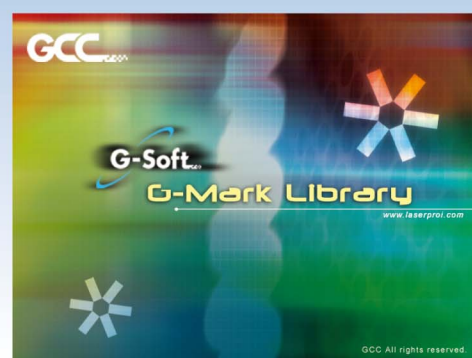
## Superior Text Editing Functions

### Automatic Serial Marking

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

| | | |
|---|---|---|
| LaserPro 00001 | LaserPro 00010 | LaserPro 10000 |
| LaserPro 00002 | LaserPro 00020 | LaserPro 20000 |
| LaserPro 00003 | LaserPro 00030 | LaserPro 30000 |

### Font Marking Variations

This feature enables marking of a variety of character expressions via Arc Alignment, Angle Alignment, and Marking Direction.
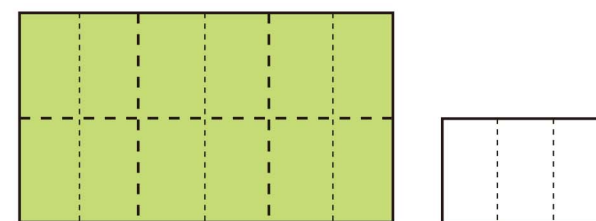
1234567890
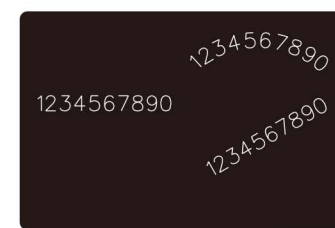
### Barcode Marking

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

123456

CIIP 60Ti

CIIS12 / 30V

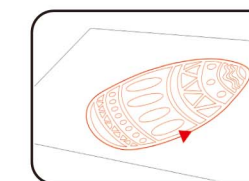### Allow Bigger Working Area for Higher Productivity

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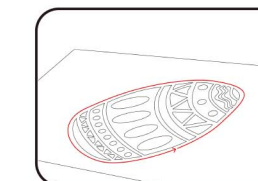
LaserPro working area vs. Others working area

## Preview Mode

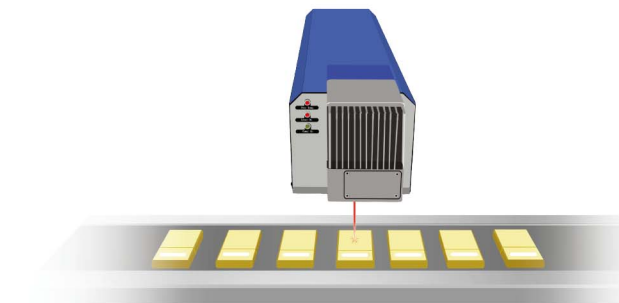Variable-speed, red dot pointer "preview" mode outlines the marking path.

*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

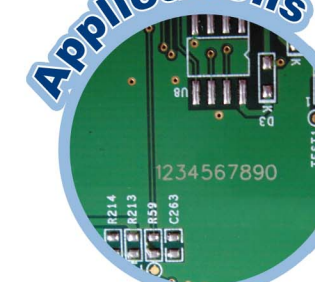StellarMark complies with the essential safety requirement which set out in the European Directives.

### 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.
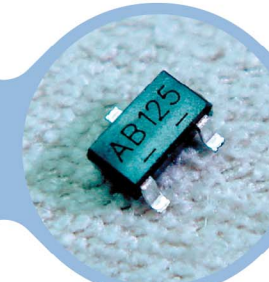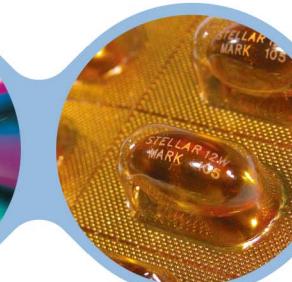
## LaserPro Stellar Mark C series

### Applications

PCB | Capacitors | Passive IC | Carton Boxes | Recordable Media | Pharmaceutical Packaging