GCC *LaserPro*

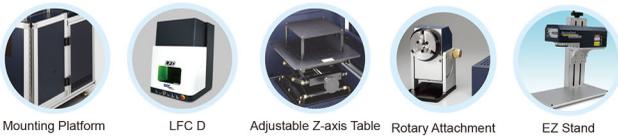## StellarMark I-Series Specifications

StellarMark I-series		IFIIS 30JML	IFIIS 60JML
Laser Source	Wavelength	1064 nm	
	Type	Yb-doped, MOPA	
	Output Power	30W	60W
	Beam Mode	TEM00	
	Beam Quality (M²)	<1.4	<1.5
	Frequency	1-4,000 kHz	
	Pulse Width	Multiple	
	Cooling	Air-cooled	
Max. Marking Speed		6,000 mm/s	
Electrical Requirements	Power Supply	100~240V, 50/60 Hz Max 15 Amp	
	Power Consumption	Max. 1650W	
Dimensions (L x W x H)	Laser Head	497 x 168 x 152 mm	
	Control Unit	470 x 360 x 241 mm	
Laser Marker Weight		9 kg	
Control Unit Weight		25 kg	
Operating System		Microsoft Windows 10/11 (64 Bit) (Desktop or Laptop PCs)	
Environment	Temperature	15℃ ~ 35℃ (59°F-95°F)	
	Humidity	10 ~ 80% Non condensing	
Safety		Class 4 (EN60825-1 Class 1 available with safety shield and LFC D) 2006/42/EC Machinery Directive) 2014/35/EU Low Voltage Directive 2014/30/EU Electromagnetic Compatibility Directive	

Scan Lens Specifications

StellarMark IFIIS 30/60JML Scan Lens				
Model No.	70	110	180	300
Working Area	70x70 mm	110x110 mm	180x180 mm	300x300 mm
Spot Size	27 μm	44 μm	71 μm	114 μm
Working Distance	142 ± 1 mm	220 ± 2 mm	350 ± 2 mm	553 ± 3 mm
Repeatability**	0.03 mm	0.03 mm	0.04 mm	0.06 mm

Above specifications are subject to change without further notices. See dealer or visit http://www.GCCworld.com for more details.
All above spot size will be material dependent.
*According to theoretical calculation
**The test is 8-hour continuous firing with power level at 30% using a 60JFL
Δ Specifications are subject to change without prior notice

Optional Items

Mounting Platform   LFC D   Adjustable Z-axis Table   Rotary Attachment   EZ Stand

Authorized Dealer

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

DANGER
LASER RADIATION - AVOID DIRECT EYE EXPOSURE
630~680nm   5.0mW
790~820nm   1.0W
1064   nm   1.0W
CLASS 4 LASER PRODUCT

Max Power

CE   RoHS

www.GCCworld.com

The Ultimate Marking Solution for Industrial Manufacturing

StellarMark i series

123456

▶ Achieve 0.1mm character height with perfect TEM00 beam mode

▶ Multiple waveform are available for sophisticated marking and micro-machining applications

▶ G-Mark Library (optional) software features customized programming, mark on fly and tiling marking

▶ Ideal solution for ABS, PC, PET, wafer, rubber and metal marking

GCC *LaserPro*

Laser Marking System

Depth Marking Color Marking Glass Marking Keypad Marking Wafer Marking IC Marking

StellarMark I-Series

StellarMark I series provides industrial users superior and reliable output quality under long-term operation. From automotive parts and tools to electronic switch and wafer, StellarMark I series provides comprehensive solution for diverse requirements.

Superior Output Performance ❯❯❯❯❯

Benefiting from the state-of-the-art design, StellarMark I-Series stands out from the competition by increasing productivity and providing superior output quality. The TEM00 beam mode brings in high precision marking results and stable laser output maintain consistent marking quality. Different M2 values are available with the different models under the IF-series catering to the different requirements for different applications.

▲ IFIIS 30JML / 60JML

Consistent Power Stability

GCC LaserPro | Others

● Key Switch

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

● Emergency Stop

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

● 2-Point Focus Tool

Two red beams assist the user in accurately setting the focus distance.

● Mark On Fly (Optional)

An optional software function that features marking of moving objects on a conveyor.

● G-Mark Library (Optional)

This programmable software can be used to customize functions by using VB scripts. All commands are received real time from a master PC and position offsets, rotating angle, and sequential marking can be set up. With G-Mark Library, the workflow of marking process can be optimized and simplified at the production line.

● Preview Mode

Variable speed, red dot pointer **"preview"** mode allows for accurate and easy marking positioning on the marked part.

▲ Full Path   ▲ Outline

● Superior Text Function

- ■ Automatic Serial Marking
- ■ Barcode Marking
- ■ Wobble Marking
- ■ Jump Cross Marking
- ■ Font Variation
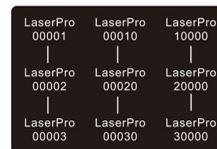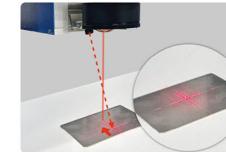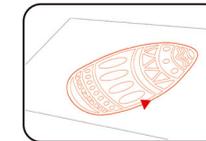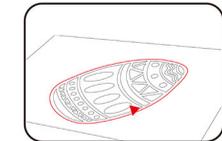- ■ Logo and Image Marking
- ■ Arc Marking

▲ Jump Cross Marking   ▲ Wobble Marking

1234567890
1234567890
1234567890

▲ Arc Marking

123456

▲ Barcode Marking

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

▲ Automatic Serial Marking