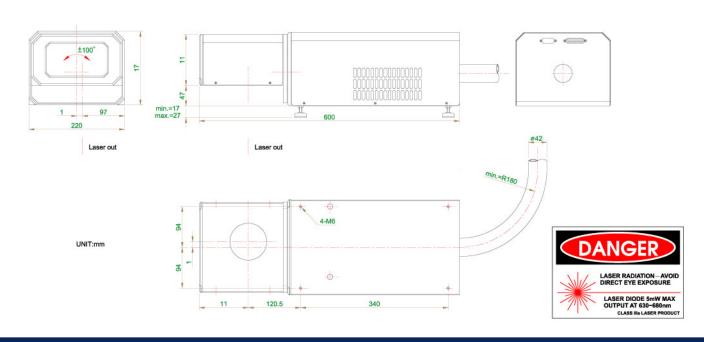
Specification

Stellar Mark I-Series	Model	ICP-110
Laser source	Laser type	Diode pumped , Q-Switched, Nd:YVO4
	Wavelength [nm]	1064
	Pulse frequency	1-100 [kHz]
	Peak power	Up to 12.5 kW
	Beam quality	TEMoo
	Cooling	Air-cooled, no water supply necessary
Scanhead	Lens (Focal length)	160mm
	Working area	110x110mm
	Spot size	30μm (Material dependent)
	Max. marking speed	10,000mm/s (Material dependent) or
		300 characters/s (Material dependent)
Electrical requirement	AC power in	AC Auto Switch 100-240 V, 50-60 Hz
	Power consumption	800W
Dimensions	Laser source and scanhead	L600xH170xW220 (mm)
	Power supply unit	L443xH131xW453 (mm)
Weight	Laser source and scanhead	12 Kg
	Power supply unit	28 Kg
Operating system	Window base	XP, 2000, 98
Safety		Class IV Class IIIa available with safety shield
Optional items		➤ Scan lens: 70x70 mm and 180x180mm
		► Safety shield
		► Mounting platform with lights
		► Adjustable Z-axis table
		► Adjustable X,Y-axis table
		► Odor reduction system

* All these information are subject to change without prior notice.



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GCC America Inc. 323 Paseo Tesoro, Walnut, CA 91789 Toll fee no. 1-888-284-5211 1-909-718-0248 Fax: 1-909-718-0251





Diode Pumped, Q-Switched, YVO4 Laser Marking and Image Engraving System

- ▶ High performance: Superior marking speed up to 10,000 mm/s or 300 characters/ second
- ▶ Versatile: Capable of direct, non-contact, marking on metal, silicon, plastics, ceramics and more
- Ready-to-go: Supports Windows XP, 2000, 98 ad NT operating systems
- ▶ User-friendly: G-Mark advance software features including password protection, auto text, 1D and 2D barcode types, etc.

Laser Marking System

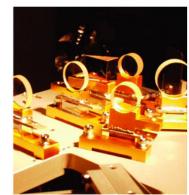


Say "No" to Alignment - "PermAlign" Technology

www.laserproj.com

GCC China

Benefiting from the unique PermAlign solder-bonded-optics technology, the LaserPro Stellar Mark I-Series completely eliminates the alignment problem. PermAlign is a patented technology pioneered by Coherent Inc., the world's leading laser supplier. Before, with beam shifting, beam mode changes, and power changes, aligning your laser every few months is necessary. Now, with the PermAlign "alignment-free" technology, never will you again need to worry about aligning your laser.



In laser systems, two optical mirrors are used to reflect the light inside the laser head to accumulate a sufficient amount of energy that will emit laser light. The most common method to fix these optical mirrors in place is to screw them onto the mirror holder. Due to vibration during working processes, the position of these mirrors often shifts; this causes an offset on the beam and may even induce a change on the beam mode or power.

The laser heads of the LaserPro Stellar Mark I-Series adopts the PermAlign technology. Each unit is assembled in an immaculate facility eliminating the possibility of particle contamination. The optical mirrors in the laser are carefully aligned using precision tools and then permanently solder-bonded into position. The optical components inside the laser head are then fixed permanently in place on a firm and solid platform to endure hectic industrial environments. This means, you will never need to clean or align the laser!



High Productivity

The LaserPro Stellar Mark I-Series uses Nd:YVO4, the new active medium that is characterized by its superior marking frequency of up to 100KHz, which is excellent in marking and scribing applications and performs at higher productivity.





Precision & Stability

At the TEM00 beam mode, the LaserPro Stellar Mark I-Series generates a focused, high power density beam that is so small it is able to mark details, which are several times finer than the human



886-2-2694-6687 Fax: 886-2-2694-6875

86-512-5746-8752 Fax: 86-512-5746-1956

31-10-442-1486 Fax: 31-10-451-9874



Indispensable Software

G-Mark Advance is a state-of-the-art laser marking software free bundled with the LaserPro Stellar Mark I-Series. With G-Mark Advance, you can output excellent images with up to 1,000 dpi resolution. Included with the software is a library with over 60 clip arts that will allow you to unleash your creativity.

G-Mark Advance offers the competitive functions as follows:

- ▶ 1D and 2D barcode capability
- Import of CAD and raster files
- ▶ Auto text, files and dates for serialization
- ▶ Intelligent laser parameter settings memory function Window-based True Type fonts supported
- User password protection
- ▶ Compatible for Windows 98/2000/XP operation systems

Versatile Applications

With the great qualitative of the laser beam and the high pulse peak power, the LaserPro Stellar Mark I-Series can mark on a wide range of materials with a variety of contrasts at a very fast speed. It offers precision scribing on all metals, plastic, foils, silicon, ceramics, and more.

Stellar Mark 1 series



