STELLAR MARK
I SERIES
IDEAL FOR DIVERSE REQUIREMENTS

LASER MARKING









| OVERVIEW |

StellarMark I-Series Laser Marker is a comprehensive solution that satisfies customers with diverse requirements.

StellarMark I-Series Laser Marker is easy to install, easy to operate, designed with simple maintenance and safety considerations while providing superior output quality.

| KEY FEATURES |

- Superior Text-editing Function
- Pyramid Focus Tool
- Mark On Fly (Optional)
- G-Mark Library (Optional)
- Auto Power Compensation
- Preview Mode
- Cost-Saving Solution
- Emergency Stop
- Key-Switch
- CE Certification
- RoHS Compliance
- Error Indications
- Secure Password Protection

| OPTIONAL ITEMS |

- Safety door
- EZ Stand (i-series)
- Adjustable z-axis table
- Rotary Attachment - Marker
- Workstation

Dimensions

Laser Head	L 497 x W 168 x H 152 mm
Control Unit	L 470 x W 360 x H 241 mm
Weight	
Laser Marker	9 kg
Control Unit	25 kg

Specifications

Model No.		IFII 20JFL	IFII 30JFL	IFII 50JFL	IFII 60JFL
Laser Source	Wavelength	1064 nm			
	Type	Yb-doped, MOPA			
	Output Power	20W	30W	50W	60W
	Beam Mode	TEM00			
	Beam Quality (M^2)	<1.5	<1.5	<1.5	<1.8
	Frequency	1-600 kHz	1-600 kHz	1-600 kHz	1-400 kHz
	Waveform	Single			
	Cooling	Air Cooled			
Max. Linear Marking Speed		3,000 mm/s			
Max. Marking Speed		10,000 mm/s			
Electrical Requirement	Power Supply	100~240V, 50/60 Hz Max 15 Amp			
	Power Consumption	Max. 1650W			
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			

Scan Lens Specifications

	StellarMark IFII 20/30/50/60JFL Scan Lens			
Model No.	70	110	180	300
Working Area (mm)	70 x 70	110 x 110	180 x 180	300 x 300
Spot Size	27 µm	44 µm	71 µm	114 µm
Working Distance	142.0 ±1 mm	220.0 ±2 mm	350.3 ±2 mm	533.3 ±3 mm
Repeatability**	0.03 mm	0.03 mm	0.04 mm	0.06 mm

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*

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* Images are for reference only and may differ from the final product
** Flamefast reserves the right to change product specification without prior notice

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