

**K Series** Fiber Laser Marking System

一切因我而起，一切由你而定

Request From You, Solution On Me

# Beyond Your Expectations

Laser marking & coding solution provider



With extensive experience in Laser coding and a profound understanding of how Laser sources interact with various materials, SUNINE can provide the optimal solution for your Laser marking and coding needs

# Different power classes available: 20W, 30W, 50W, 100W. High-performance fiber laser marking system.

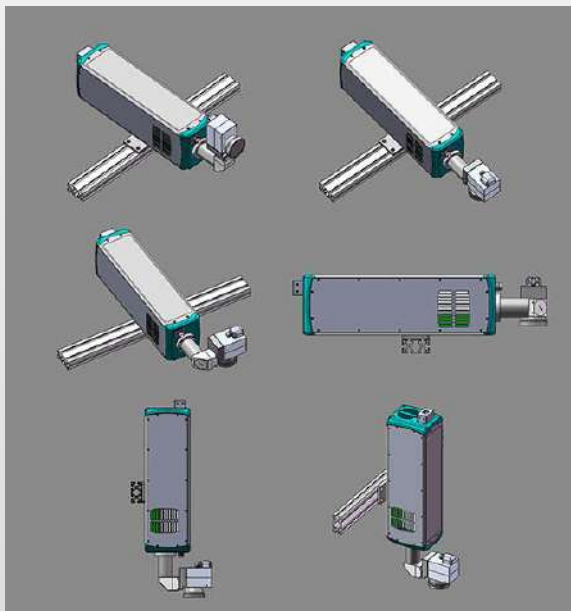
## Compact & Efficient

Virtually every common metal (precious metals, stainless, hardened steel, copper and anodized aluminum, etc.) can be marked with 1064nm fiber laser marking system. It can also mark on non-metal materials such as aluminum foil, PVC, etc.



## Easy to install

The bottom of the Laser head features full-length integrated mounting rails, and the stable design of the optical path ensures easy and safe installation in any direction.

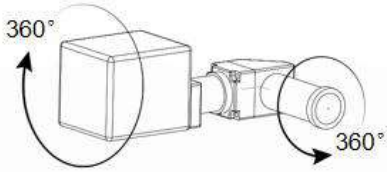


## Zero consumables

SUNINE fiber laser coders utilize high-energy Laser beams for marking, which eliminates consumable costs. Additionally, there are no components that require periodic replacement, thus eliminating periodic maintenance and inspection costs.



## Flexible Mount For Scan Head Rotation In 720 Degree Direction



## Laser Head

High-quality Laser source, high quality field lens, and smart red-light positioning system ensure exceptional Laser coding quality.

## High Speed

Sunine's self-developed high-speed scanner and optimized control system ensure more accurate and faster marking, capable of delivering 900 characters per second.

## High Quality Focusing Lens

Featuring high transmittance of over 97% and minimal Laser energy loss.

## High Accuracy Laser Control

Sunine unique software system and optical design ensures the high accuracy of Laser beam and precise Laser marking on objects.

## Traceability

SUNINE's traceability system provides the optimal traceability solution for each product.

## Large Marking Area

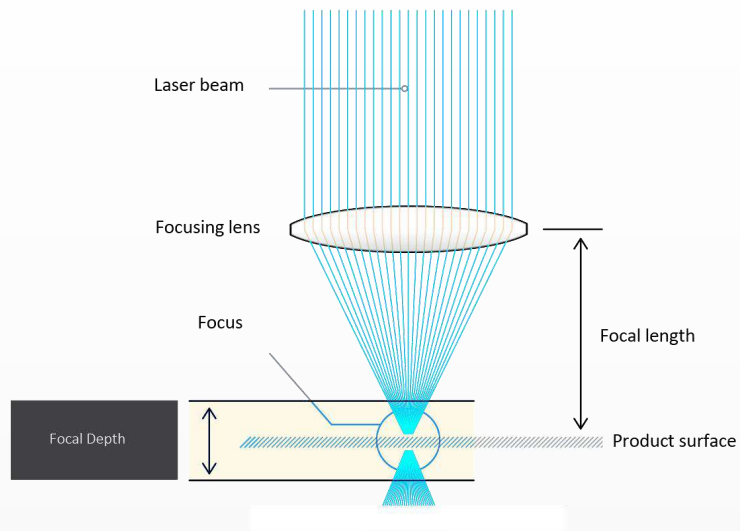
With options ranging from 110x110mm to 500x500mm, our system easily adapts to various production lines.



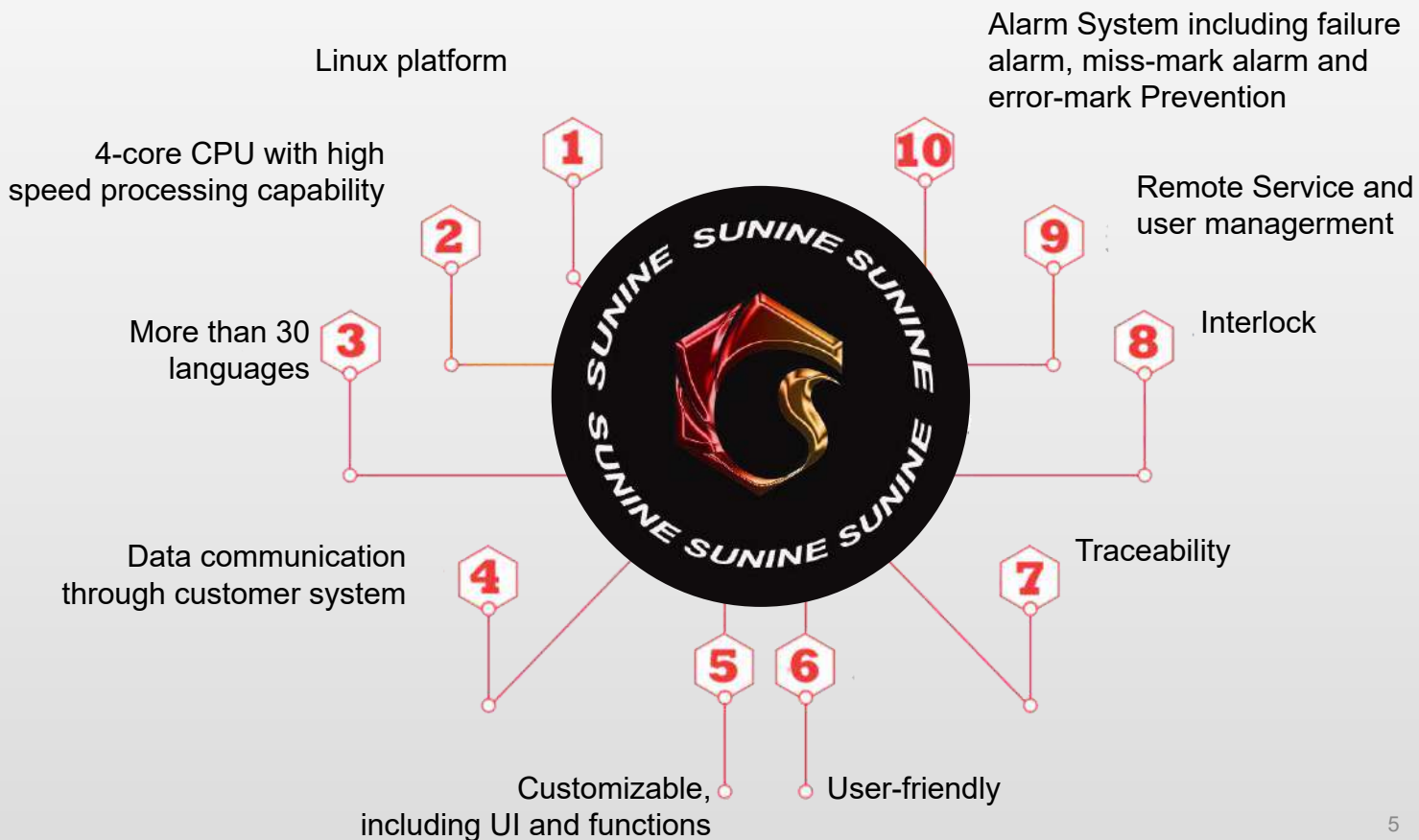
# Excellent Beam Quality

Excellent Laser beam with a large focal depth and a smart red-light positioning system guarantees fast and brilliant Laser marking results.

In the Laser marking process, factors such as the type of material, marking quality, marking speed requirements, wavelength, and Laser components like the scan head and field lens all contribute to the optimal choice of a Laser system. Our Laser experts are available to provide professional guidance.



# SUNINE V5 Control System



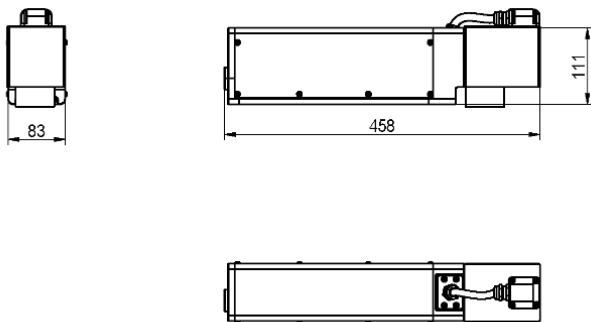


## Specifications 20W / 30W / 50W / 100W

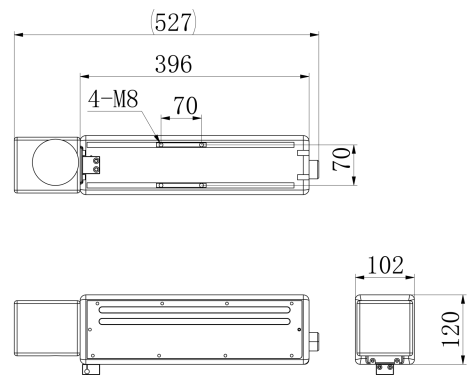
Model	K720	K730	K750	K7100
Laser power	20W	30W	50W	100W
Machine material	Anodized aluminum (Laser Head) & Stainless Steel (Control Unit)			
Laser type	Fiber Laser Source			
Laser wavelength	1064nm			
Scan method	High-precision 2-dimensional scanning method			
Marking speed	≤12000mm/s			
Main control	SUNINE V5 highly integrated motherboard with 10-inch controller			
Operating system	Linux			
Cooling system	Air-cooled			
Type of marking	Both dot matrix and vector			
Reflector size	Standard: 8.5mm			
Marking field	Standard: 110mm×110mm (Maximum 500x500mm)			
Positioning method	Red-light positioning			
Lines of characters	No limits within mark field			
Production line speed	0~189m/min (varies according to materials and printing contents)			
Language	Chinese Simplified, Chinese Traditional, English, German, Spanish, French, Italian, Japanese, Korean, Portuguese, Hindi, Russian, Turkish, Arabic, Persian, etc.			
File format	BMP/DXF/PNG/JPEG/PLT/JPG			
Code type	Code128A, Code128B, Code128C, Code39, Code93, EAN-13, PDF417, 01 Code; QR, DM, GS1-DM, AztecCode, HanxinCode, DotCode			
Power supply	220V / 50-60Hz (110V optional)			
Max. consumption	≤400W		≤600W	≤800W
N.W.	22kg			29kg
Laser head size	458mm x 84mm x 111mm			527mm x 102mm x 120mm
Control unit size	492mm x 383mm x 160mm			522mm x 460mm x 160mm
Interfaces	RS-232C/USB2.0/Ethernet,I/O			
Working conditions	0-45°C; 30%-85% RH(No-condensing)			

# Dimensions

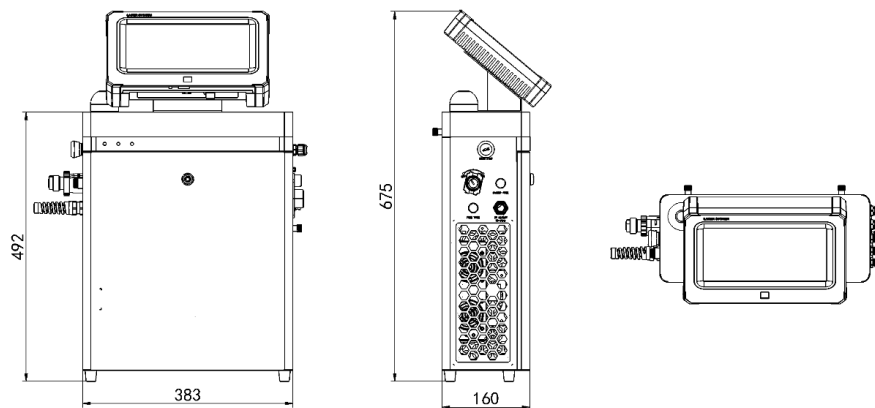
## Laser Head 20~50W



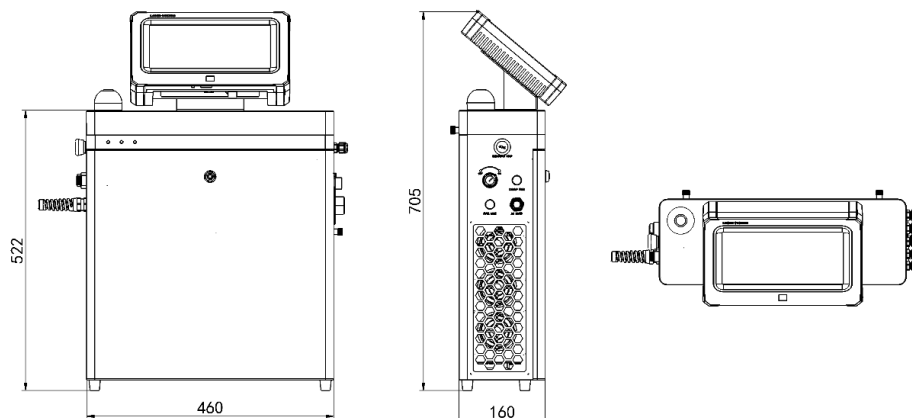
## Laser Head 100W



## Control Unit 20~50W



## Control Unit 100W



# About SUNINE

SUNINE is a leading solution provider and manufacturer of laser marking & coding technologies.

Since 2010	ISO Company
>220 Employees	>40,000 Systems
R&D Capability	CE/FDA Certificates



## Brand Collaborations



[www.suninelaser.net](http://www.suninelaser.net)

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