



# GEM Desktop Semiconductor laser marking machine

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## GEM LASER LIMITED

A Legend Laser machine Manufacture & Solutions

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## OVERVIEW

Integrated with highly standard configuration, the Desktop Semiconductor laser marking machine developed by GEMLASER has precision marking effect, low costs and stable performance. It has passed EU CE Certification, Germany OHSAS18001 Certification and ISO Quality Management Certification. Desktop Semiconductor laser marking machine has been sold all over the world.

Desktop Semiconductor laser marking machine includes infrared, green and UV series, which is suitable for metal materials and many nonmetals. It is widely used in electronic components, integrated circuits, hardware, auto parts, plastic products and many other fields, especially for high quality laser precision micro-processing.

With the highest standard configuration and stable performance, this machine has superior infrared laser light source with 1064nm wavelength, high quality, high repetition rate and high single-pulse energy. A variety of laser source power is optional. No matter what industry and material, GEMLASER provides the most suitable Desktop Semiconductor laser marking machine.

## Product Advantage

	<p><b>Independent Intellectual Property and Patent</b></p> <p>Stable performance, high reliability, operated in 24 hours continuously and steadily, suitable for mass production.</p>
<p><b>High Precision and Excellent Light Mode</b></p> <p>Precision marking and 100% positive feedback</p>	
	<p><b>Long Life and Easy Maintenance</b></p> <p>20 times service life than traditional machine, decrease maintenance greatly.</p>
<p><b>Low Costs</b></p> <p>High electro-optic conversion efficiency, 75% lower energy consumption than traditional lamp pumping marking machine.</p>	



## FEATURES

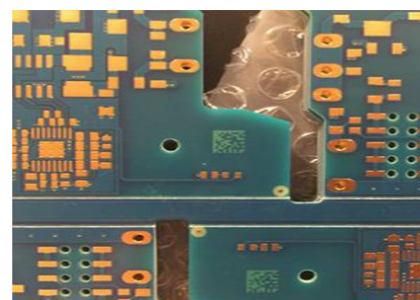
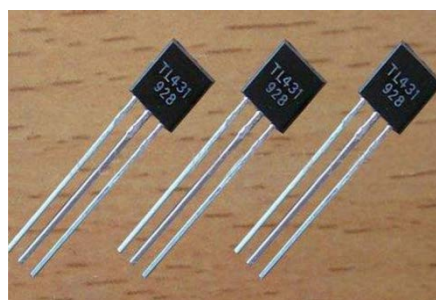
- According to human body engineering mechanics, the desktop design improves work efficiency of operators;
- Fully enclosed laser cavity design, dustproof, frost proof, long life, low failure rate, minimize maintenance costs;
- Innovative external cavity design, suitable for industrial production, strong anti-interference;
- Operated in 24 hours continuously and steadily in suitable temperature, complete processing orders efficiently and economically for customers;
- Integrated optical bench, no optical axis variation caused by transportation and vibration, parts replacement without any adjustments.

It is widely used in electronic components, integrated circuits, hardware, auto parts, plastic products, precision apparatuses and many other fields.

## APPLICATIONS

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## LASER MARKED SAMPLES



## Specification

Model	GEM10EI	GEM15E
Average Output Power	10W	15W
Wavelength	1064nm	
Frequency	1-100 kHz	
Cooling	Water Cooling	
Marking Area	70×70mm 110×110mm75	
	145×145mm 175×175mm	
Min Linear Width	0.01mm	
Max Linear Speed	≤7000mm/s	
Power Supply	AC 220V 50Hz	