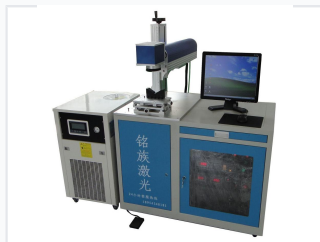


Diode Side-Pumped Laser Marking System

This diode side-pumped laser marker is designed for precision marking applications on various materials. The system features adjustable laser parameters and a computer-controlled interface for optimal results.



ADDITIONAL IMAGES



Overview

High-Efficiency Laser Marking Solution

This Diode Side-Pumped Laser Marking System is engineered for high-precision industrial applications, offering stable performance and efficient operation. With an optical conversion efficiency of up to 15% and a laser module lifespan of 10,000 hours, it provides a reliable, cost-effective solution for permanent marking tasks. The system supports versatile file formats and automated serial number generation, making it suitable for diverse materials including metals, ceramics, and plastics.

Technical Specifications

Cooling Mode

Water-cooled

Marking Speed

7000 mm/s

Tag Range

100mm x 100mm

Minimum Character Size

0.2 mm

Maximum Power

2 Kw

Performance Metrics

Core Laser Performance

1064 nm

Wavelength

15 %

Optical Efficiency

10000 hours

Module Life

Software & Compatibility

Automation Features

- Automatic serial number generation
- Production date stamping
- 1D barcode generation
- 2D QR code generation

Supported File Formats

BMP, JPG, DXF, PLT, AI

Applications

Material Compatibility

Material Category	Typical Use Cases
Metals & Oxides	Medical equipment, auto parts, sanitary ware, knives
Ceramics & EP	Electronic components, IC, building materials
Plastics (ABS)	Electrical enclosures, serial numbers, logos
Ink & Paint	Panels, phone keypads, daily necessities