

Laser Marking Solutions

Laser marking is a permanent and versatile way to mark parts for identification. It's a high-speed, low-impact solution used by a variety of industries for numerous applications.

Because there is no "one-size-fits-all" solution for all applications, a wide selection of laser marking systems ensures the best mark for each material. We manufacture only galvanometer-based (flying mirror) laser marking systems because of the distinct advantages they provide over gantry (flying head) marketing systems. These benefits include accuracy, speed and repetition and easy integration into production lines. All of our lasers are available for Class IV and Class I configuration.



Fiber Laser Series

With power levels ranging from 20-50 watts, our Fiber Laser marking laser series is the most powerful series we offer. These are ideal lasers for depth marking (etching or engraving) onto harder metals.

- High beam quality, small spot size and large lens are ideal for small components
- Ideal for very thin metals & hard metals (Rockwell Hardness >50)
- Etch or engrave beyond .001" depth
- Engineered for maximum uptime, virtually maintenance free
- Backed by industry leading 3-year warranty, world class support



YVO₄ Laser Series

Our YVO₄ lasers can produce a precise mark without using large, external power supplies. YVO₄ lasers can achieve a smaller spot size and higher energy density, which is ideal for reflective surfaces. The beam is specifically tuned to uniformly distribute energy making it optimal for annealing and ablating.

- Highest Marking Speeds for Maximum Throughput
- Smallest Footprint YVO₄ Laser Marker Available
- Anneals Metal without Etching into the Surface
- Facilitates Color Change on Plastics without Foaming or Melting
- Enables one-layer-at-a-time Ablation of Coated Metals (Single-layer Marking Depth Precision)
- Backed by industry leading 3-year warranty, world class support

Green Laser Series



RMI Laser is a pioneer of green laser marking technology, and we've developed a green laser to fully meet the needs of semiconductor and solar marketing applications. They operate in the visible lights spectrum at 532 nm (green) and are designed to mark highly reflective materials or highly sensitive substrates with ease and precision.

Lasers operate in the visible light spectrum at 532 nm (Green).

- Perfect for softer plastics, PCB boards, IC chips and scribing or marking solar cells of various compositions
- Ideal for marking semiconductor components (silicon wafers, epoxy resins, ceramics, PCBs)
- Best priced "Green" Laser marker on the market
- Low thermal transfer for sensitive substrates
- Micro marking capabilities (< 1 mm Text or Coding & 10 um spot size)
- Backed by industry leading 3-year warranty, world class support

Micro Laser Series (Mini Laser)



The UM-1 is a full-featured, high performance mini-laser marking machine available at a low cost. It is ideal for small scale production environments but can be used in higher-volume applications depending the marking type and the substrate.

- World's most compact and best priced direct metal marking laser
- Entry level/starter level laser
- RMI Laser exclusive, one-of-a-kind design
- Ideal for consumer personalization

Laser Workstation Classifications

Two categories classify laser workstations: Class I (enclosed) and Class IV (open). Class I workstations are safe for the eyes because they are light tight and have safety interlocks which prevent the laser from firing if opened during the marking process. Class IV laser workstations are open environments, therefore specialized safety eyewear certified for the laser wavelength is required. Users must avoid eye or skin exposure to direct or scattered radiation. Additional safety restrictions are required to avoid a fire hazard. A Class IV system allows for many different configurations and part sizes and is ideal for a closed off environment, a room or curtained off section where the laser is by itself.

