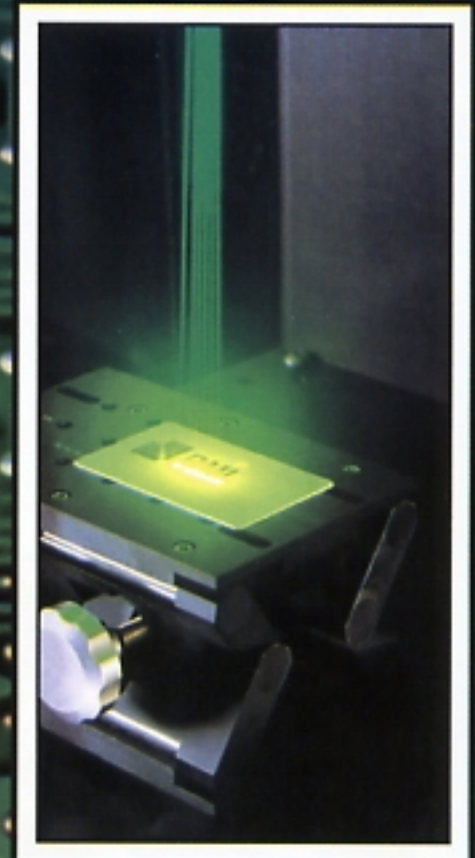
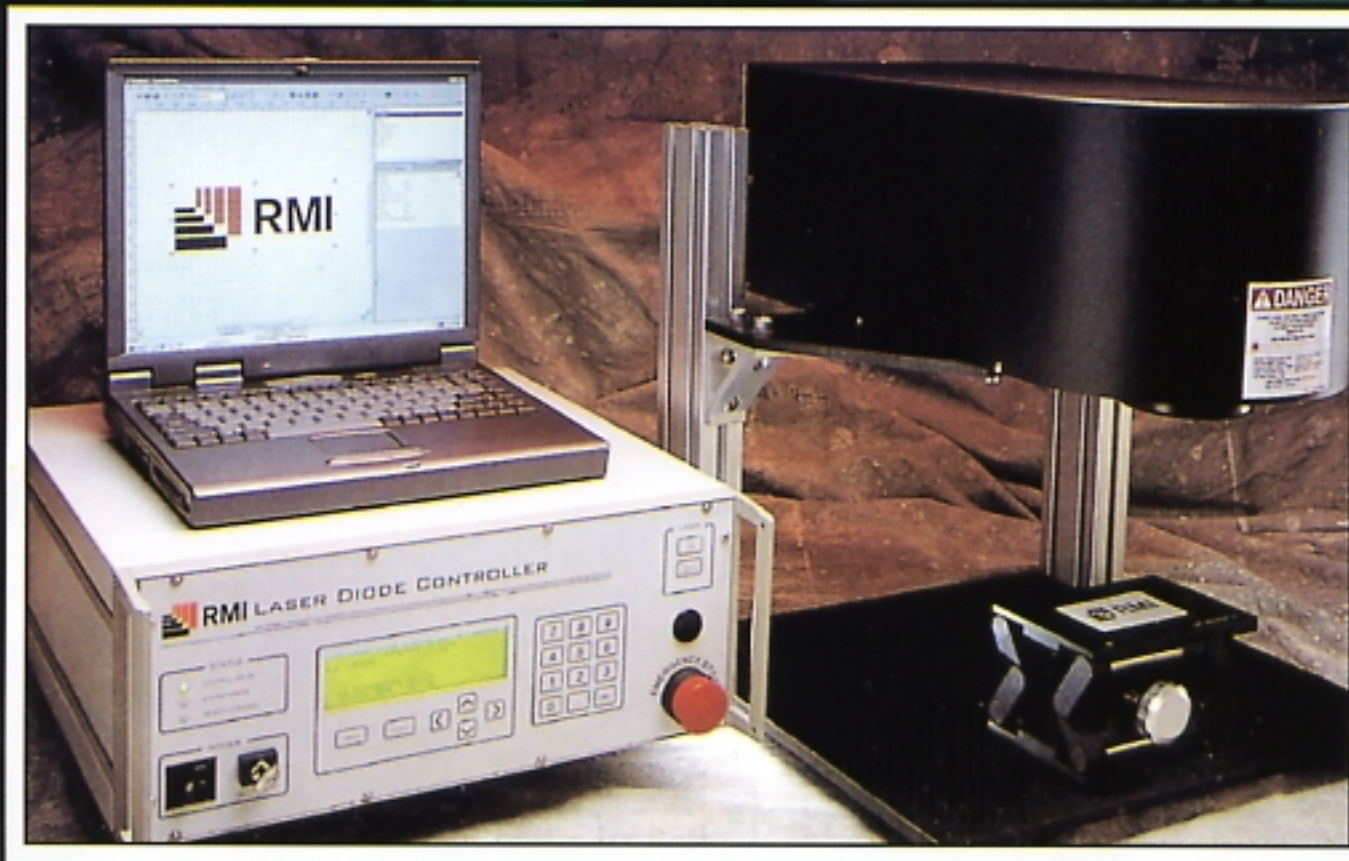


# RMI - LASER MARKING SYSTEMS

The Smallest Laser Spot Size (20 micron), High Resolution  
Compact, Fast, Clean, Precise, Permanent Marking Solutions



DPSS Laser Controller Galvanometer Driven Marker SymbolWriter Software Notebook or Desktop PC

## Applications: -

- Engraving
- Color change
- Ablation
- Annealing

## Manufacturing Industry: -

- Medical - No residue or contamination to implantable medical parts
- Semiconductor - 0.1mm character marking capability
- Automotive - High speed, small footprint and easy integration solution
- Aerospace - The most effective, low maintenance marking solution
- Metal - High-resolution and small character marking solution
- Gift - High-resolution quality marking solution

## 1064nm Nd:YVO<sub>4</sub> DPSSL

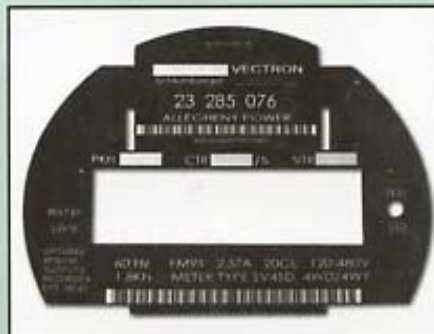
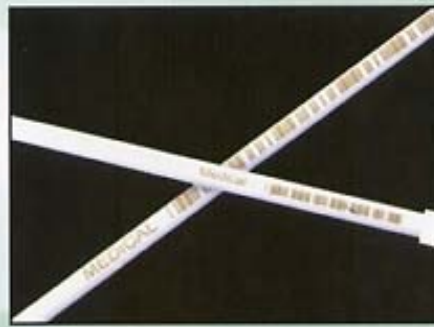
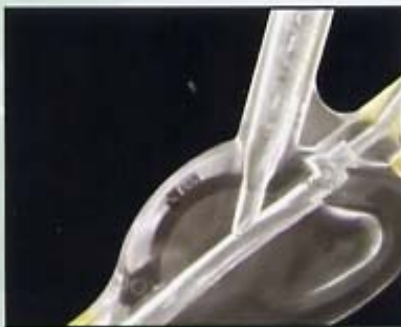
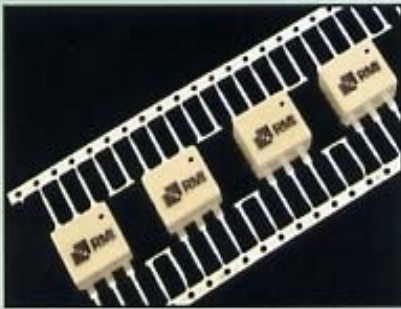
Yttrium Vanadate demonstrates significant advantages over other laser designs, including Nd:YAG devices. It is the material of choice for high brightness pumping using a beam collimator, and for all pulse -repetition (PRF) applications. Greater absorption rate and higher gain, coupled with shorter pulse width and more coherent beam profile provide greater peak power per wattage, and reduce unwanted surface damage. It is designed for up to 10,000 hours of operation, and features easy diode replacement that requires no resonator realignment, for minimized downtime and improved productivity.



## Specification

Model	LE - 100S	LE - 100G	LE - 300S
Wavelength (nm)	1064	532	1064
Average Power Output (W)	10	3.5 - 4.0	25
Q-Switch Frequency (kHz)	0 - 100	0 - 100	0 - 100
Beam Spot Size	20	20	30
Resolution (micron)	20	20	30
Lenses Available (mm)	100 - 254	100 - 254	100 - 254
Marking Area (mm)	86.9 - 223	86.9 - 223	60 - 254
<b>Dimension</b>			
Marker Head (mm) (l x w x h)	523 x 272 x 200	523 x 272 x 200	457 x 152 x 175
Laser Controller (mm) (l x w x h)	517 x 450 x 184	517 x 450 x 184	490 x 449 x 184

## Laser Marking Samples



To obtain marked sample of your parts, contact Genetec Today and let us put our technology to work for you.