

Micro-Marker™



**30 Day
On-Site
Trial**

- For Marking Most Parts
- Manual Production
- Fully Self-contained
Tabletop Model
- Field Sizes 2" 4" 6"
available as options

Paragon Laser Systems brings you the answer to today's part marking requirements. You can have the latest in stable technology, Windows® based PC controls, long life imbedded PC and Ytterbium Fiber Optic Laser with bonded diode array. Your Paragon Micro-Marker™ represents the latest in state-of-the-art marking equipment. It makes older lamp pumped lasers, water cooled diode pumped lasers, pin-stamping, electro-chemical etching and engraving obsolete. It replaces these slow and costly methods of part marking with a low cost effective solution.

PARAGON
LASER SYSTEMS

Manufacturers of Laser  Marking Equipment

Toll Free 866-495-1150
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3812 So. Leonard Road
St. Joseph, MO 64503

Micro-Marker™

Your Paragon Micro-Marker™ will mark most metals, some rubbers, plastics, composites, and ceramics depending on composition

It gives you the smallest footprint, and enclosure size for a fully self-contained industrial laser marker available today

All-inclusive computer, controls, laser, powered focus adjustment, pointer preview, and tooling in a simple easy to use package

Maintenance free operation, based on telecommunications lasers with life expectancy approaching 100,000 laser hours

Very low voltage 110/115 VAC 15 amp circuit requirements will allow you to install easily in offices as well as industrial plant environments

100% air cooled, with no water-based chillers, heat exchangers or external components required; lowering your operational and maintenance costs

Designed for stand-alone or integrated direct part marking applications, the Micro-Marker™ can be easily integrated into automated production lines

Designed in service modules for computer, laser, scanhead, controls serviceability performed by your IT technicians on site without expensive service calls or costly maintenance contracts Round high quality beam, excellent collimation $M^2 < 1.6$.

You choose between 10 and 20 watt **standard** machines. Up to 100 watt units are available for custom applications.

Solid -State Ytterbium Fiber Laser technology is the latest state-of-the-art in performance and stability. No lamps or diodes to change.

Continuous Wave models available for non-invasive marking on items such as medical devices or precision carbide tools.

Q-Switched models available for applications requiring deeper engraving.



Base Unit Specifications		
Laser Model	Micro-Marker 10	Micro-Marker 20
Emission Wavelength	1064 nm	1064 nm
Gain Medium	Ytterbium	Ytterbium
Average Power	10W	20W
Peak Power	5Kw	10Kw
Pulse Frequency	20-80 kHz	20-80 kHz
Beam Quality	$M^2 < 1.6$	$M^2 < 1.6$
Beam Symmetry	Circular	Circular
System Dimensions*	(Tabletop) 28" W X 16" D X 23 1/2" H	(Tabletop) 28" W X 16" D X 23 1/2" H
Maximum Allowable Part Size*	11" W X 16"D X 7 3/4" H	11" W X 16"D X 7 3/4" H
Power Supply	115 VAC/15 amp	115 VAC/15 amp
Maximum Power Consumption	1500 Watts	1500 Watts
Cooling	Air	Air

* Dimensions based on 4" mark field

Marking Specifications		
Mark Field	Focal Length	Spot Size
2.36"	100 mm	24 microns
4.33"	160 mm	39 microns
7.08"	254 mm	62.50microns

Applications

UID (Unique Identification)	Military item and tool identification
Automotive parts traceability	Aircraft and Aerospace part installation tracking
Medical device identification, marking and tracking	Tool marking, tracking and identification
Metal part manufacturer identification	Logo application
Material bonding	Circuit board production
Decorative engraving	Consistent marking of parts
Replaces chemical etching	Faster than engraving
Uses the power of light	No consumable parts

The proof is in the marking, we will do samples to prove your marking requirements are achievable.

Send your samples for test marks today to
Paragon Laser Systems

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Prove it to yourself, the future of marking is here
today at PARAGON.

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