

*minilase*TM

Smart Features.

Efficient Design.



TYKMATM
LASERS FOR MARKING

MAD SERIES

Minilase™ has smart features that drive efficiency in a compact desktop configuration.

Our Easy Mode™ system provides maximum efficiency to your marking operation. Simply load the part, press start and the entire marking process is automated. A three-sided automatic vertical door provides an ergonomic method for part loading. A powered part-loading table with our focus finder system makes focal adjustment easy. Machine management is simple with the front mounted operator control panel.

A USB connection to a laptop or desktop PC is all that is required to start programming with our Minilase™ Pro SE laser marking software. Quickly mark text, barcodes, serial and date codes, graphics and more. Utilize our micro rotary device for 360° radial part marking.

With our Quick Start Guide, video tutorials and laser programming manual, Minilase™ can be setup and marking within minutes.



FEATURES:

- Air-Cooled, Maintenance Free Design for Industrial Applications
- Advanced MOPA Fiber Laser Engine from 10 to 30W
- Easy Mode with Automated Door Close, Marking and Door Open Sequence
- Three-Sided Access Power Part Loading Door
- Power Focal Height Adjustment
- T-Slot Work Surface and Front Panel Status Lights
- Easy Focus Finder
- Ideal for marking all Metals, Painted/Anodized Materials and Most Plastics
- Comprehensive 3-Year Warranty



Technical Specifications	
System Dimensions	17"W x 34"L x 24"H
System Weight	Approx. 160lbs
Marking Window	100mm x 100mm (160S Lens)
Maximum Part Size	13.5"W x 9.5"L x 4.625"H
Laser Type	Ytterbium Fiber
Wavelength (nm)	1062 +/- 3nm
Wattage	10 / 20 / 30 Watt
Pulse Width (ns)	(10 & 20W) 170ns (30W) Variable
Frequency Range	(10 & 20W) 1 - 200kHz (30W) 1 - 1,000kHz
Input Power	Power Sensing 110 - 240VAC 50/60Hz
Aiming Beam	(2) Class 2M Red Diode 635nm
PC	Windows XP, 7, 8, Laptop / Desktop (Not Included)
PC Connection	USB
Available Ports	Service / Diagnostic
Cooling	Air-Cooled
Warranty	36 Month Unlimited Hours Comprehensive
Documentation	USB Drive / Quick Start Guide Software Manual / Safety Manual (All Manuals Provided in Digital Copy)
Available Options / Accessories	<ul style="list-style-type: none"> • Micro Rotary Device (360 MarRing) • Fume Extraction • Footswitch for Start Mark

Minilase™ is a Class 1 laser product in full compliance with CFR 1040 and/or other applicable national and local regulations. The system includes proper interlocks, switches, etc.

Laser interaction with organic or inorganic materials can cause toxic fumes and/or particles. TYKMA highly recommends the use of fume extraction equipment to minimize dust, fumes or smoke that can be created during the engraving or marking of plastics, anodized painted or other coated materials. Proper use and maintenance your laser marking system ensures optimum performance and prolongs system life.



403 S. Hawley Rd.
Milwaukee, WI 53214
Tel: 800-837-9270
www.elsimeth.com