

*minilase*<sup>™</sup>  
**KEON**

# Versatile Configuration.

Powerful Control.



**TYKMA**<sup>™</sup>  
LASERS FOR MARKING

## MLK SERIES

Minilase Keon™ takes laser marking innovation to the next level.



A revolutionary, patent-pending design provides users the flexibility to mark both small parts and large parts. A four-sided collapsible power shroud provides a protected Class 1 marking configuration. In addition, with password protected control, the system can be switched to a Class 4 workstation for large or irregular part configurations.

The 13" sliding track system permit the safety shroud to move to the rear of the machine allowing full access to the large T-slot work surface. The system comes equipped with a laser control rack and an integrated touch panel interface for laser control. A secondary touch panel display on the front of the laser system provides constant machine feedback.

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 or full size rotary device in Class 4 mode for 360° radial part marking.

With our Quick Start Guide, video tutorials and laser programming manual, Minilase Keon™ 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
- Class 1 or Class 4 Laser Mode Operation
- Four-Sided Collapsible Power Shroud with Sliding Track System
- Touchscreen Display for Machine Control and Laser Setup as well as Machine Function Feedback
- Power Focal Height Adjustment with Easy Focus Finder
- Ideal for Marking all Metals, Carbide, Painted/Anodized Materials and most Plastics
- Comprehensive 3-Year Warranty

## Technical Specifications

System Dimensions	(Keon) 17"W x 31"L x 32"H (Rack) 17"W x 15.75"L x 5.2"H
System Weight	Keon - 160lbs   Rack - 50lbs
Standard Marking Window	100mm x 100mm (160S Lens)
Marking Window Upgrade	140mm x 140mm (254S Lens)
Standard Maximum Part Size (160S Lens)	(Class 1 Mode) 13.5"W x 9.5"L x 5.625"H (Class 4 Mode) 13.5"W x 9.5"L x 7.625"H
Maximum Part Size Lens Upgrade (254S Lens)	(Class 1 Mode) 13.5"W x 9.5"L x .125"H (Class 4 Mode) 13.5"W x 9.5"L x 2.25"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"> <li>• Micro Rotary (360 Marking) (Class 4 Mode Only)</li> <li>• Full Size Rotary (360 Marking) (Class 4 Mode Only)</li> <li>• Fume Extraction (Class 4 Mode Only)</li> <li>• 254S Lens Upgrade</li> </ul>

Minilase™ Keon is a Class 4 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 of 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