

minilase[™]
KEON

Versatile Configuration.

Powerful Control.



TYKMA[™]
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 with Selectable Pulse Durations
- 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 / Weight	(Keon) 17"W x 31"L x 32"H / 160lbs (Rack) 17"W x 15.75"L x 5.2"H / 50lbs
Standard Marking Field	160S (100mm x 100mm) (3.93" x 3.93")
Standard Max Part Size (160S Lens)	(Class 1 Mode) 13.5"W x 9.5"L x 5.625"H (mm) 342W x 241L x 142H (Class 4 Mode) 13.5"W x 9.5"L x 7.625"H (mm) 342W x 241L x 193H
Available Marking Lens Upgrade and Marking Fields	254S (140mm x 140mm, 5.5" x 5.5")
Maximum Part Height with Lens Upgrade	Class 1 Mode (254S) 1.5"/38mm Class 4 Mode (254S) 3.5"/90mm
Laser Type	Ytterbium Fiber
Wavelength	1062nm +/- 3nm
Wattage	10W / 20W / 30W
Frequency Range	1kHz - 500kHz (10/20W) 1kHz-1,000kHz (30W)
Pulse Duration	(10/20W) Selectable, 260ns or 40ns (30W) 29 Selectable from 220ns - 15ns
Operative Ambient Temperature Range	45° F to 110° F
Cooling	Air Cooled
Input Power	Power Sensing 110-240VAC 50/60Hz
Aiming Beam	(2) Class IIM Red Diode (635nm)
PC	Laptop/Desktop PC Required
PC Connection	USB
Available Ports	Diagnostic
Warranty	36 Month Comprehensive Unlimited Hours
Documentation	USB Drive / Quick Start Guide Video Tutorials / Software Manual Safety Manual / Laser Settings Manual (Manuals Provided in Digital Copy)
Optional Accessories	<ul style="list-style-type: none"> • Micro or Full Size Rotary Device (360° Marking) (Class 4 Only) • Fume Extraction (Class 4 Only) • Footswitch for Start Mark

Minilase™ is a Class 1 laser product in full compliance with CFR 1040. The system includes proper interlocks, switches, etc.

Laser interaction with materials can create 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 marking, etching or engraving process.



TYKMA follows a policy of continuous product improvement.
Specifications are subject to change without notice.



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