



High-Powered.

Integration.

Fiber Laser.



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VSE SERIES



Our Vereo™ Fiber Laser offers the latest, most advanced features for manufacturers and integrators seeking an OEM laser for their project. A MOPA based fiber engine allows for high peak power, fast processing times and maximum application flexibility. This system is air-cooled and maintenance-free offering years of trouble free operation and low energy consumption.



Vereo™ features a compact rack mount control unit with a front facing operator touch screen control panel. The small form factor marking head makes integration into small spaces easy. A built-in focus finder system helps to quickly focus the laser for marking.

Programming and connectivity is controlled through a simple USB interface to a laptop or desktop PC. Additional features such as external axis control, dedicated I/O, marking on the fly and camera assisted marking makes the Vereo™ a powerful tool for any production process.



External Axis Control & I/O



Focus Finder Tool



Marking On The Fly



Camera Assisted Marking

FEATURES:

- Air-Cooled, Maintenance Free Design
- Advanced MOPA Fiber Laser Engine from 10 to 50W
- Compact Form with Rack Mount
- Touch Screen Operator Control
- Built in Focus Finder
- External Axis Control
- Mark On The Fly and Camera Assisted Marking Option

Technical Specifications

System Dimensions	(Head) 3.81"W x 17.34"L x 4.77"H (Rack) 17"W x 15.75"L x 5.2"H
System Weight	(Head) Approx. 11lbs (Rack) Approx. 50lbs
Standard Marking Window	100mm x 100mm (160L Lens)
Marking Window Upgrade	Various Lenses Available, Contact TYKMA
Laser Type	Ytterbium Fiber
Wavelength (nm)	1062 +/- 3nm
Wattage	10 / 20 / 30 / 50 Watt
Pulse Width (ns)	(10 & 20W) 170ns (30 & 50W) Variable
Frequency Range	(10 & 20W) 1 - 200kHz (30 & 50W) 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 I/O External Axes
Cooling	Air-Cooled
Warranty	36 Month Unlimited Hours Comprehensive
Documentation	USB Drive / System Manual Software Manual / Safety Manual (All Manuals Provided in Digital Copy)
Available Options / Accessories	<ul style="list-style-type: none"> • Micro Rotary (360° Marking) • Full Size Rotary (360° Marking) • Focal Lens Upgrade (254S, 254L, 330, 420) • Fume Extraction • Micro Fanless Integration Laser Controller • Easy Integration Package

Vereo™ 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.



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

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