



High-Powered.

# Integration.

Fiber Laser.



## 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.

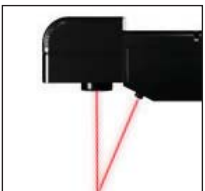


Vereo™ features a compact rack mount control unit with a front facing operator touch screen control panel. The small form factor marking head makes integration into small spaces easy. A built-in focus finder system helps to quickly focus the laser for marking.

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*

### 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 and I/O
- Mark On-the-Fly 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 Field	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)	(10/20/50W) Selectable, 260ns or 40ns
Frequency Range	1kHz - 500kHz (10/20/50W)   1kHz-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 Comprehensive Unlimited Hours
Documentation	USB Drive / System Manual Software Manual / Safety Manual (All Manuals Provided in Digital Copy)
Available Options / Accessories	<ul style="list-style-type: none"> <li>• Micro Rotary (360° Marking)</li> <li>• Full Size Rotary (360° Marking)</li> <li>• Focal Lens Upgrade (254S, 254L, 330, 420)</li> <li>• Fume Extraction</li> <li>• Micro Fanless Integration Laser Controller</li> </ul>

Vereo™ is a Class 4 laser product.

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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