zetalase™ XL

More Space, More Power
Maximum Flexibility

TYKMA™ LASERS FOR MARKING

ZXL SERIES

An expansive work area and choice of lenses makes Zetalase™ XL our most flexible system yet.

The new Zetalase™ XL features the most expansive work area of our entire product range. Available in multiple configurations to mark tall and/or large components as well as large fixtures of parts. A front vertical pneumatically actuated door maximizes operator ergonomics. Programmable Z-Axis capability as a standard option allows for a quick and easy changeover between components. A choice of laser power and a variety of large focal lenses provide the ability to solve any application.

Zetalase™ XL features an onboard PC and a gas assisted swing arm with monitor, keyboard and mouse allowing operators to easily design, edit and select laser etching programs.

Programming with our Minilase™ Pro SE software enables you to easily mark text, barcodes, serial and date codes, graphics and more.

Utilize our full size rotary device for 360° radial part marking.

FEATURES:

- Air-Cooled, Maintenance Free Design for Industrial Applications

- MOPA Fiber Laser Engine from 20 to 50W with Selectable Waveforms

- Front Vertical Pneumatically Actuated Part Loading Door

- Programmable Focal Height Adjustment

- 24" x 30" T-Slot Work Surface and Heavy Duty Membrane Control Pendant

- Integrated PC with Monitor/Keyboard/Mouse on Ergonomic Gas Assisted Swing Arm

- Side Access Panel with Ethernet, USB, and Service Connection Access

- Auto Mode with Automatic Marking Start Upon Door Closure

- Available with a Variety of Focal Lenses from 160mm to 420mm

- Ideal for Marking all Metals, Carbide, Painted/ Anodized Materials & Most Plastics

- Comprehensive 3-Year Warranty

Technical Specifications

System Dimensions / Weight	32"W x 52"L x 74"H / Approx. 500lbs
Standard Marking Field	160S (100mm x 100mm) (3.93" x 3.93")
Standard Max Part Size (160S Lens)	30"W x 24"L x 20"H or (mm) 762W x 609L x 508 15"W x 42"L (Using Center Wall Opening) (mm) 381W x 1,066L
Available Marking Lens Upgrade and Marking Fields	254S (140mm x 140mm, 5.5" x 5.5") 254L (165mm x 165mm, 6.5" x 6.5") 330L (200mm x 200mm, 7.87" x 7.87") 420L (260mm x 260mm, 10.2" x 10.2")
Maximum Part Height with Lens Upgrade	(254S) 15.65"/396mm (254L) 12.5"/317mm (330L) 11.75"/298mm (420L) 6"/152mm
Laser Type	Ytterbium Fiber
Wavelength	1062nm +/- 3nm
Wattage	20W / 30W / 50W
Frequency Range	1kHz - 500kHz (20/50W) | 1kHz-1,000kHz (30W)
Pulse Duration	(20/50W) 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	Integrated Windows PC w/Monitor, Keyboard, Mouse
Available Ports	Diagnostic/USB/VGA/Ethernet
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	• Full Size Rotary Device (360° Marking) • Fume Extraction • Footswitch for Start Mark

Zetalase™ XL 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.

2/15

TYKMA™
LASERS FOR MARKING

CE