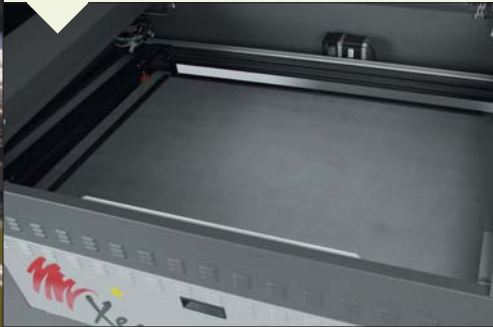


Directed Air Assist floods the entire X-Axis work area with air.
Large 24"x36" surface area for laser engraving.

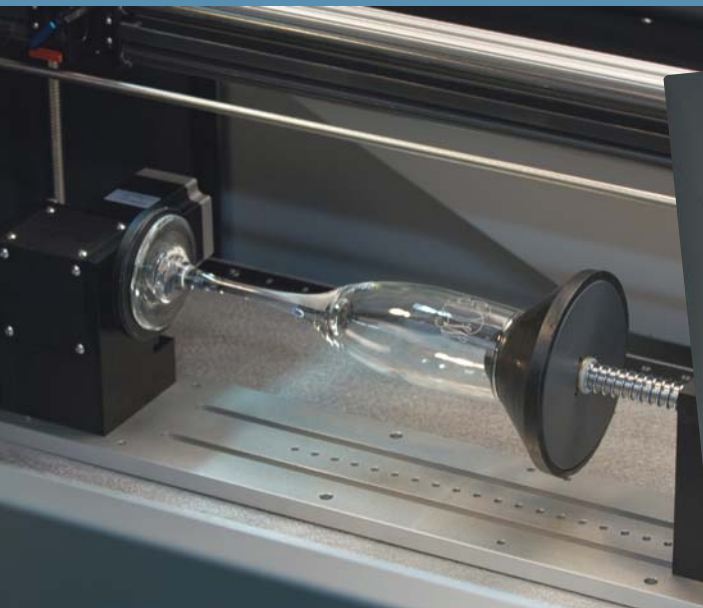
The XLT has engraving speeds up to 150* ips; while, the XLE engraves at a speed of 75 ips. Both with quick acceleration and deceleration.

Access panels are key-locked for easy removal.



XLT & XLE 2436 Laser Engraving Systems

MAXIMUM SURFACE AREA, MINIMUM FOOTPRINT



Laser Cylindrical Attachment (optional) allows engraving on mugs, glasses and other cylindrical items. It can accommodate sizes up to 6.75" (171.5 mm) in diameter and 13.75" (349.2 mm) in length. The fixture is capable of engraving a full 360° around an object.



Specifications Table surface area: 24" x 36" (609.6 x 914.4 mm) • Engraving area: 864 sq. in. • Machine Weight: 340 lbs. (154 kg) • Shipping Weight: 600 lbs. (272 kg) • Maximum Z travel: 10" (254 mm) • Ships with laser accessory kit, Xenetech Graphic Workstation Professional Engraving Software: XGW -32, third party (CorelDraw!™) Print Driver • Dimensions: Width 54.5" (1384.3 mm), Height 41.5" (1054.1 mm), Depth 33.5" (850.9 mm) • Call for further options and specs

Breaking the speed barrier with the XLT 2436. Xenetech has applied over 25 years of motion control experience to engineer a low-maintenance motion system capable of engraving speeds of 150* ips.

* 150 ips available only on systems with 60, 80 or 100 watt laser tubes. 120 ips for all other XLT models.

XLT Defining Features

- Engraving and travel speeds from .001 to 150 ips
- 30, 40, 60, 80, 100 watt air cooled and water cooled models (all power measured at the lens, the farthest point from the tube)
- Interchangeable tube design:
 - ~ Tube assembly includes laser tube (30-200 watt), RF unit if separate, and power supply
- Heavy duty servo X-axis motor with a peak power of 614 watts and a peak torque of 164 oz. inches

XLE Defining Features

- Engraving and travel speeds from .001 to up to 75 ips.
- 10, 25, 30, 40, 60, 80 , 100 watt models and water cooled (all power measured at the lens, the farthest point from the tube)
- Interchangeable tube design:
 - ~ Tube assembly includes laser tube (30-100 watt), RF unit if separate, and power supply
- Custom wound, high speed, encoded stepper motors

All optics are capable of handling up to 1,000 watts and are mounted in dove-tailed holders.

Front and back panels are quickly removed to provide easy access for material placement.



Features for both the XLT & XLE 2436. An investment in these Laser Systems begins with top-of-the-line performance and a wide variety of features and enhancements, including:

- **Large 24" x 36" (610 x 914.4 mm) engraving area with 10" (254 mm) of clearance; Honeycomb core table for strength.**
- **Revolutionary color touch screen control panel featuring:**
 - ~ Pause/cancel
 - ~ Table up/down
 - ~ On-the fly Speed and Power control
 - ~ Auto-focus; choose focus location on odd shaped pieces
 - ~ Job preview with pan and zoom
 - ~ Save up to four different home positions for X, Y, and Z, for use with cylindrical fixture, vector table, etc.
 - ~ Real time job timer
 - ~ Job queue that loads jobs and job information from any computer on the network
 - ~ End of job signal on/off
 - ~ Red diode pointer on/off
 - ~ Direct import HPGL control
 - ~ Direct .dxf file execution
 - ~ Air assist on/off
 - ~ Exhaust blower delay exhausts gasses at the end of a job
 - ~ Imperial and metric settings
 - ~ Mottle settings to control laser pulsing during raster
 - ~ Diagnostics for feedback on functionality of system components (laser tube status and power supply performance)
- **State-of-the-Art motion system featuring:**
 - ~ Lifetime bearing warranty
 - ~ Adjustable belt tension for the ultimate fine tuning
 - ~ Light weight components that allow the fastest acceleration and fastest speeds in the industry
 - ~ Double break design limit switches that are protected from moisture and dust by a silicon rubber boot
 - Superior bearings:
 - ~ No lubrication required
 - ~ Push debris off of the rail as the machine runs
 - ~ Significant speed capabilities over recirculating ball bearings
 - ~ Unrestricted acceleration
 - ~ Larger contact surface than point contact recirculating bearings
 - ~ Low friction coefficient
 - ~ Abrasion resistant
 - ~ Reduced mechanical vibration
 - ~ Chemically resistant to alcohol, fuel, strong alkali, and most weak acids
 - ~ Operating temperatures from -58° F to 194° F
- **Heavy duty servo x-axis motor (XLT only) for high speed with absolute accuracy including:**
 - ~ Faster moves and settling times
 - ~ Superior tracking accuracy
 - ~ Adaptive inertia matching technology for fine tuning
 - ~ Peak power 614 watts
 - ~ Peak torque 164 oz. inches
- **Easy change optic system including:**
 - ~ Optics substrates and coatings are rated up to 1,000 Watts
 - ~ Color coded optic holders for different mirrors and lenses.
 - ~ Ability to remove optics for cleaning or replacement without losing alignment
 - ~ Quick align design for beam alignment
- **Interchangeable tube design including:**
 - ~ The highest quality tubes on the market
 - ~ Ability to replace tube assembly or upgrade without having to adjust beam alignment
- **State-of-the-Art cabinet design including:**
 - ~ Rigid monocoque design to maximize strength while minimizing weight
 - ~ Exhaust design placement and cabinet seal for maximum air flow across engraving area
 - ~ Key-locked access panels for easy removal
 - ~ Removable back panel for pass through capability
 - ~ Industrial locking casters rated at over 200 lbs each
 - ~ High quality lid and front door concealed hinges
 - ~ Gas strut supported lid
 - ~ All stainless steel hardware to prevent corrosion
- **High Speed, continuous motion controller including:**
 - ~ AMD SC 520 microprocessor
 - ~ 32-bit Architecture and 64-bit FPU
 - ~ On-board LED diagnostics
- **User controlled Red diode pointer for proofing and positioning beam. Fires while engraving or can fire at all times**
- **View job progress from remote location**
- **Motorized table height adjustment**
- **Three point table mount for stability**
- **Protection from laser beam (class IIIa laser)**
- **End of job signal**
- **Xenotech Graphic Workstation Professional Engraving Software: XGW-32 (see catalog page 19 for features)**
- **Xenotech 32-bit Print Driver for Third Party Software (CorelDraw!™)**
- **Ethernet capability**
- **Rubber Stamp Mode**
- **Optional Accessories**
 - ~ Cylindrical Engraving Attachment
 - ~ 1", 1.5", 4", and 5" focal length lens
 - ~ Dual Head
 - ~ Air Assist
 - ~ Laser Cutting Table
 - ~ Optical Recognition System
 - ~ Conveyer Feed System

