

Back panel removes to provide pass through capability.



Industrial locking casters, rated over 200 lbs a piece, provide the ultimate foundation.



All optics are mounted in color coded holders that can be removed and replaced without affecting beam alignment.



Gas struts hold the lid open for easy access.



Access panels are key-locked for easy removal.



XLT 1325 Laser Engraving System

FOR MAXIMUM PRODUCTIVITY AND VERSATILITY



Touch screen keypad: On-board control panel gives total control of the job and view of job statistics such as, scroll-through job queue, recall job, end-of-job signal, job time statistics, positioning and more.



Specifications Table surface area: 13" x 25" (33.02 x 63.5 cm) • Engraving area: 325 sq. in. • Machine Weight: 275 lbs. (124.85 kg) • Shipping Weight: 520 lbs. (236.08 kg) • Maximum Z travel: 10" (25.4 cm) • Ships with laser accessory kit and Xenotech Graphic Workstation Professional Engraving Software: XGW -32 • Dimensions: Width 41.5" (105.41 cm), Height 38" (96.52 cm), Depth 27" (68.58 cm) (including handle and hinges) • Call for further options and specs

Breaking the speed barrier. Xenotech has applied its 16 years of motion control experience to engineer a low-maintenance motion system capable of engraving speeds of 120 inches per second and travel speeds of 150 inches per second.

Optional LCT honeycomb cutting table is designed for strength and flatness, includes reference rulers, and easily attaches/detaches.

All optics are capable of handling up to 500 watts and are mounted in color coded holders.

(side) Outstanding vector and raster quality with the fastest throughput.
(below) High power servo motors.



Defining features. An investment in a XLT 1325 Laser System begins with top-of-the-line performance and a wide variety of features and enhancements, including:

- Engraving speeds from .001 to 120 ips with travel speeds up to 150 ips
- 20, 30, 40, 50, 60, 70, and 100 watt air cooled models (all power measured at the lens at the farthest point from the tube)
- Large 13" x 25" (13.5" x 27.5" cutting area) engraving area with 10" of clearance; Honeycomb core table for strength.
- Revolutionary touch screen control panel featuring:
 - ~ Pause/cancel
 - ~ Table up/down
 - ~ Speed control
 - ~ Power control
 - ~ Auto-focus; choose focus location on odd shaped pieces
 - ~ Job preview with 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
 - ~ Air assist on/off
 - ~ Exhaust blower delay at the end of the job exhausts gasses
- Imperial and metric settings
- Mottle settings to control laser pulsing during raster
- Diagnostics for feedback on functionality of system components
- State-of-the-Art motion system featuring:
 - ~ 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 motors for high speed with absolute accuracy including:
 - ~ Faster moves and settling times
 - ~ Superior tracking accuracy
 - ~ Adaptive inertia matching technology fine tuning
- Easy change optic system including:
 - ~ Mirrors and lenses rated up to 500 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
 - ~ Tube assembly includes laser tube (20-100 watt), RF unit if separate, and power supply
- State-of-the-Art cabinet design including:
 - ~ Rigid structural 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
- Motorized table height adjustment
- Three point table mount for stability
- Dual head (optional)
- Protection from laser beam (class I laser)
- End of job signal
- Air assist (optional)
- Cylindrical engraving attachment (optional)
- Xenotech Graphic Workstation Professional Engraving Software: XGW-32 (see catalog page 9 for features)
- Xenotech 32-bit Print Driver
- Laser cutting table (optional)
- Ethernet capability

