

Introducing the World's first 2 in 1 laser and diamond drag engraving system. That's right. Xenetech has again led the way by combining CO2 laser engraving and cutting capabilities with traditional diamond drag engraving in a single futuristic table top unit. Think about it for a moment ... the possibilities are endless.

- Color touch screen control panel
- Engraving speeds from .001 to 75ips
- Large 12"81h x 18"81h engraving area
- State-of-the-art motion system
- Lifetime bearing warranty
- Custom high-speed motors
- Easy change optic system
- Xenetech professional engraving software
- Auto Focus feature



(left) Preview laser raster and diamond drag portions of a job via the color touch screen before you engrave
(below) Diamond Drag on Medallions, reflective metals



XL Duo 1218 Laser/Diamond Drag Engraving/Cutting System

FOR MAXIMUM MARKING CAPABILITY AND PRODUCTION VERSATILITY



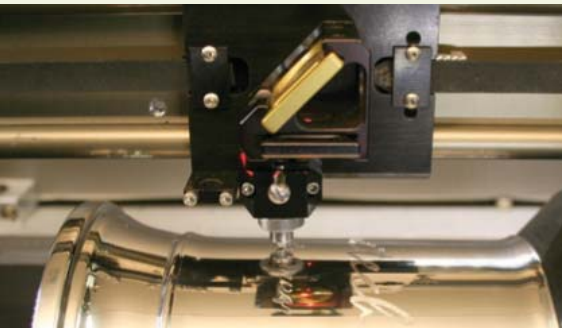
Color touch screen keypad: On-board control panel gives total and real time control of the job, such as: on- the-fly speed and power changes, scroll-through job queue, job preview, pan and zoom, job recall , end-of-job signal, positioning, statistics read out, and more.



Specifications

- Table surface area: 12" x 18" (304.8 x 457.2 mm)
- Engraving area: 216 sq. in.
- Machine weight: 127 lbs. (58 kg)
- Shipping weight: 151 lbs. (69 kg)
- Z clearance:
 - Diamond Drag: 6 3/4" (171.45 mm)
 - 1.5" focal length lens: 5 3/4" (146.05 mm)
 - 2.5" focal length lens: 4 3/4" (120.6 mm)
 - (Note: even larger clearance with table removed)
- Dimensions: Width 29.8" (29.8 mm); Height 19" (482.6 mm); Depth 23.8" (604.52 mm) including handle and hinges
- Ships with laser accessory kit and Xenetech Graphic Workstation Professional Engraving Software: XGW-32
- Call for further options and specifications

Laser and Diamond Drag engraving mugs, cups, and other cylindrical items



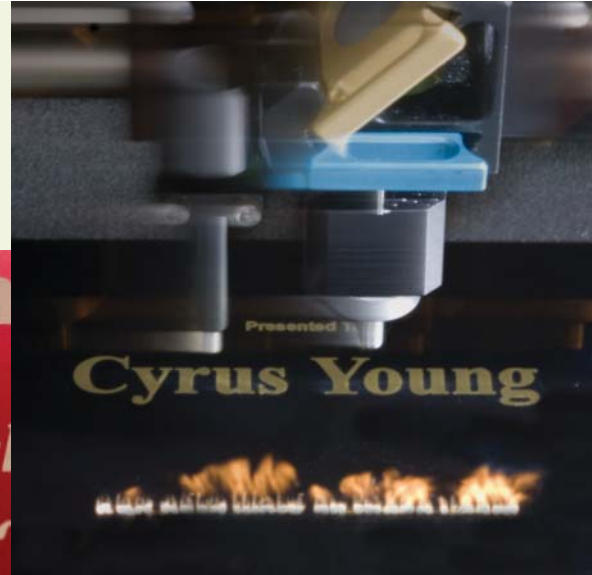
Color Touch Screen with Bitmap Preview



Standard CO2 laser engraving and cutting



Laser flame



Defining Features. An investment in the XL 1218 Laser/Diamond Drag Engraving/Cutting System begins with top-of-the-line performance and a wide variety of features and enhancements including:

- Engraving speeds from .001 to 75 ips with travel speeds up to 75 ips.
- 30 and 40 watt models
- Real-time job timer
- Large 12”81h x 18”81h (cutting area) engraving area with 4 3/4”81g of clearance (5 3/4”81h with 1.5FL lens; and 6 3/4”81h for diamond drag); Honeycomb core table for strength.
- Diamond Drag Mode, Dual Laser Mode, or both forms of engraving in the same job
- Direct HPGL job processing
- Diagnostics for feedback of system components
- Precision screw rail-driven Y-axis
- Larger rail to bearing contact than recirculating ball bearings
- Revolutionary color touch screen control panel featuring:
 - ~ Pause/Cancel
 - ~ Table up/down Control
 - ~ Speed Control
 - ~ Power Control
 - ~ Auto-focus; choose focus location on odd shaped pieces
 - ~ Job preview with zoom
 - ~ Save up to 6 user defined home positions anywhere on the table
 - ~ 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 always on
- ~ Direct import HPGL control
- ~ Air assist on/off
- ~ Exhaust blower delay (with adjustable duration) 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
- ~ Rubber stamp mode
- ~ Preheat for slower tubes
- ~ Operating temperatures on board self test—controller diagnostics
- State-of-the-Art motion system featuring:
 - ~ Precision screw rail driven Y-axis
 - ~ 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:
 - ~ Push debris off of the rail as the machine runs
 - ~ Significant speed capabilities over recirculating ball bearings
 - ~ Fastest acceleration in the industry
 - ~ 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
- Custom wound high-speed encoded micro stepper motors
- 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
 - Tube assembly includes laser tube (30-40 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
 - ~ All stainless steel hardware to prevent corrosion
 - ~ Futuristic cabinet design with emergency stop button and “laser on” indicator mounted on the exterior front panel
- High Speed, continuous motion controller
- User controlled Red diode pointer for proofing and positioning beam. Fires at all times
- Motorized table height adjustment with programmable position
- Ability to define table position from controller or software
- Four point table mount for stability positioned with leadscrew rails
- Protection from laser beam (class IIIa)
- End of job signal on/off and adjustable signal duration
- Xenetech Graphic Workstation Software: XGW-32 (see full catalog for software features)
- Xenetech print driver
- Ethernet communications
- Optional features:
 - ~ Self-centering or Speed vise
 - ~ Cylindrical engraving attachment
 - ~ Laser cutting table

