

l a s e r m a c h i n e

LS500_{XL} LS600_{XL}



The only laser engraver with exclusive, integrated software. And the only laser with the muscle and features to back it up.

The brain.

LaserStyle Software. For the first time ever in the history of laser engraving, the only software on the market with the driver integrated with the laser software.



Exclusive LaserStyle features:

Job Saves: Increase productivity, save time and reduce operator error. LaserStyle allows you to save job power settings, speed and other important information. Run the job again later without the need to input new parameters.

Laser Color Manager: Operator can designate a color and assign specific laser engraving properties to different design elements: raster...vector...line thickness...fill in or not filled in...and more.

Ease of use: Because LaserStyle was developed exclusively for laser engraving and the LS500XL and LS600XL, all icons and functions are solely for laser engraving. No unnecessary "clicks and functions" like with other software.

Default settings: Create material definitions that can be used for any job.

Nesting: LaserStyle software lays out the shapes to be cut out to minimize material waste when doing vector cutting.

Automatic text centering: Most common alignment, especially for plaques, trophies and name plates.

Braille Function: Allows for easy and effortless engraving of braille.

Print matrix plates in multiple jobs: Allows substitution of variable or sequential data into pre-defined fields in your job.

Built-in bar code function: No need to switch software for industrial bar code applications.



The brawn.

Features unmatched by the competition: No other laser engraver has the features to revolutionize the productivity of your laser engraving.



Innovations and features: The A-sens concept (Auto sensor concept) automatically adjusts the focal length for you according to the surface to be worked, even when engraving a hollow item. The unique D-fit function (Depth fitting concept) calculates and automatically adjusts the position of the laser head when cutting thick materials in several passes. Our beam expander allows you to maintain same power level and dot size across the entire engraving area. Also our red spotting beam feature allows you to see where you are going to engrave before you actually begin engraving.

Design and ergonomics: F-load (Front loading concept), allows complete access and effortless loading and adjusting of materials and objects. With its extra large opening, bulky objects, matrix applications, plates, signage, and more can be easily positioned without awkward maneuvering.

Performances: Maximum speed 79 in/s - movement structure by linear guides. A range of laser powers of 10-20-40-60 watts to suit all types of work. Working areas are 18 x 12 in and 24 x 24 in.

Accessories: Precise and sturdy vice to engrave heavy cylindrical items. Material cut-out table eliminates cut marks on bottom of the object by keeping the object away from the laser table during vector cutting. Our new ventilation system is engineered with air exhaust paths that virtually eliminate mirror contamination. For rubber stamps, we've added a hose at the point of cutting to help remove smoke right at the source.

Expertise and advice: Gravograph-New Hermes supports its customers through installation training, 800-line technicians, i-Help, our interactive web tool and factory trained field engineers. For additional training we've created Engraver's Academy for those who need additional classes or would like to develop extra skills.



mechanical characteristics

	LS500 _{XL}	LS600 _{XL}
Engraving area	18 x 12 in (457 x 305 mm)	24 x 24 in (610 x 610 mm)
Table size	20.5 x 13 in (520 x 330 mm)	25 x 25 in (630 x 630 mm)
Max. part size	20.5 x 13 x 9.85 in (520 x 330 x 250 mm)	25 x 25 x 9.85 in (630 x 630 x 250 mm)
	39.7 lbs max 18 kg	39.7 lbs max 18 kg
Laser source power	10-20-40-60 watts air cooled sources	10-20-40-60 watts air-cooled source
Max. engraving speed	79 in/sec (2 m/second)	
Machine weight (20W)	176 lbs (80 kg)	243 lbs (110 kg)
Dimensions	43.3 x 29.1 x 49.2 in (110 x 74 x 125 cm)	47.2 x 41.3 x 49.2 in (120 x 105 x 125 cm)
Safety	Class I closed configuration	
Operating modes	Sweeping mode (raster) for engraving, Vector for engraving and cutting, or Sweeping / Vector combination	
Resolution	50 - 1200 DPI	
Optics	1.97 in (50mm) focal lens as standard	

Optional accessories

- Cylinder attachment: 9 in (230 mm) max. dia.
- Material cut-out table: 18 x 12 in (457 x 305 mm)
24 x 24 in (610 x 610 mm)
- 2.5, 3.5 and 4 in focal lenses
- Air-assist: compressor

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