

LS800

L A S E R
M A C H I N E



GRAVOGRAPH
NEW HERMES

www.gravograph-newhermes.com

laser machine

LS800



SPECIFICATIONS

OPTICS & ELECTRICAL

Wavelength
10.6 (µm)
Rated Power
30watt, 40watt, 60watt, 80watt
Standard Focal Length Lens
2.0" (50.8mm) +/-2%
Input Voltage
30watt & 40watt (100V – 240V)
60watt & 80watt (200V – 240V)

ENGRAVING CHARACTERISTICS AND FEATURES

Processing Modes
Raster and Vector
Maximum Engraving Area
24"W x 12"D (610mm x 305mm)
Focus (Z-Axis) Adjust Travel
9.8" (250mm)
Maximum Speed (Raster)
79" /sec (2000mm /sec)
Maximum Speed (Vector)
7.9" /sec (200mm /sec)
Positioning Accuracy
.004" (0.1mm)
Repeatability
<.002" (.05mm)

PHYSICAL CHARACTERISTICS

Classification
CDRH, Class 2a
System Dimensions
37.2"W x 30.7"D x 30.3"H (945mm x 780mm x 770mm)
System Weight
330lbs (150 kg)
Shipping Dimensions
43.3"W x 39.3"D x 42.1"H (1100mmx1000mmx1070mm)
Shipping Weight
400lbs (180kg)



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FEATURES

- Complete with revolutionary GravoStyle 5 Graphic level software.
- Ideal machine for experienced users with mid to high production.
- Heavy duty chassis and gantry with a laser power range up to 80 watts.
- Versatile 12" x 24" engraving area with a 9.8" focal axis adjustment.
- Available in tabletop or floor mounted configuration.
- Red spotting beam reduces errors by allowing you to perform a trial run before engraving the object.
- Auto focus automatically adjusts the focal axis to adapt to the surface (even hollow areas).
- Front access provides effortless loading and adjusting of objects.
- Easily select between low cabinet or high directional static pressure exhaust settings.
- Auto Actuation, manual adjusted air assist tool that dramatically improves processing of certain materials.

GravoStyle 5 SOFTWARE

User Interface
Operating System (Driver)
Languages Supported

GravoStyle 5 Graphic level software
Windows 98, Windows 2000, Windows XP
English, French, German, Italian, Spanish
Dutch, Portuguese

Focus Adjustment
Job Completion Alarm
Job Timer

Programmable, with Auto-Focus Sensor
Audible, Electronic Toggle ON/OFF
Auto Display, On System LCD

ACCESSORIES

Floor Mounted Base

Rigid mounting frame, on casters (increases the system weight by 77lbs (35kg))

Alternate Focal Length Options

1.5"(38.1mm), 2.5"(63.5"), 3.5"(88.9mm), 4.0"(101.6mm)

Cylindrical Attachment

Device Weight – 14.3lbs (6.5kg)
Maximum Object Length – 19" (483mm)
Min/Max Object Diameter - .12" to 7.8" (3mm to 200mm)
Max Object Weight – 22lbs (10kg)

Tilt Table For Cylindrical Attachment

Manual Angled Adjustment, to Address Tapered Cylindrical Parts

Air Compressor for Air Assist

Internally Mounted (No Need For External Air Supply)

Honeycomb Cutting Table

Max Engraving Area – 24" x 12" (610mm x 305mm)

Pin Cutting Table

Dual Plates, Multi-Pin Configuration
Pin Height – 1.2" (30mm)

APPLICATIONS

Name Tags
Architectural Models (small to medium)
Higher Volume Matrix marking
Glass & Crystal
Paper Products
All 12" x 24" Stock material

Small to Medium signage
Thick Acrylic cutting
CERDEC Processing
Trophies
High Volume Rubber Stamps
Small wooden objects

