

LS900
L A S E R




ProTech
CNC SYSTEMS

LS900



Floor mounted base included

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 24"D (610mm x 610mm)
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
42.5"W x 37.5"D x 31.9"H (1080mm x 945mm x 810mm)
System Weight
400lbs (180 kg)
Shipping Weight, Floor Mount
77lbs (35kg)
Shipping Dimensions
43.3"W x 43.3"D x 42.1"H
(1100mmx1100mmx1070mm)
Shipping Weight (both packages)
600lbs (272kg)



FEATURES

- Complete with revolutionary GravoStyle 5 Graphic level software.
- Ideal for Experience users with mid to high production needs.
- Heavy duty chassis and gantry with a laser power range up to 80 watts.
- 24" x 24" platform equipped to handle large part or matrix marking.
- Front access provides effortless loading and adjusting of objects.
- Select between low cabinet or high directional static pressure exhaust settings.
- Red spotting beam reduces errors by allowing you to perform a trial run before engraving object.
- Auto focus automatically adjusts the focal axis to the surface (even hollow areas).
- Auto Actuation, manual adjusted air assist tool that dramatically improves processing of certain materials.
- Easily select between low cabinet or high directional static pressure exhaust settings.

GravoStyle 5 SOFTWARE

User Interface	GravoStyle 5 Graphic level
Minimum PC Requirements	P4, 1.4 GHz, 256 MB DRAM, 10 GB HDD, 2 USB, 1 PP, 1 SP, Win 2000 / XP
Languages Supported	English, French, German, Italian, Spanish Dutch, Portuguese
Memory Buffer (Firmware)	16 MB, with Multiple Job Storage capability
Focus Adjustment	Programmable, with Auto-Focus Sensor
Job Completion Alarm	Audible, Electronic Toggle ON/OFF
Job Timer	Auto Display, On System LCD

ACCESSORIES

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 24" (610mm x 610mm)
Pin Cutting Table	Dual Plates, Multi-Pin Configuration Pin Height - 1.2" (30mm)

APPLICATIONS

Name Tags	Medium size signage
Architectural Models (medium to large)	Thick Acrylic cutting
Higher Volume Matrix marking	CERDEC Processing
Glass & Crystal	Trophies
Paper Products	High Volume Rubber Stamps
All 24" x 24" Stock material	Wooden objects
Standard Windows Printer Driver	Windows 98, Windows 2000, Windows XP

