

PLS6.150D LASER SYSTEM

The PLS6.150D laser system is a free-standing platform offering a 32 x 18 in (813 x 457 mm) material processing area and laser power from 10 to 75 watt 10.6 μm or 30 or 50 watts 9.3 μm .

The PLS6.150D is available with optional patented SuperSpeed™ technology using a dual-laser configuration, pulsing the beams independently, making it possible for 2 lines of raster image to be engraved or marked simultaneously. This enables laser marking and engraving in half the time and vector cutting with higher power.



PLS6.150D

KEY FEATURES

- **Laser Sources** - Our patented, metal core, air-cooled, free-space slab, CO₂ lasers produce excellent beam quality with even power distribution, good near-field and far-field characteristics and long life.
- **Rapid Reconfiguration™** - Unique to ULS, allows our modular platforms to be field-reconfigured with a variety of laser sources, in seconds, and without tools. Easily exchange laser wattage to change peak power and increase speed and throughput.
- **Universal Control Panel (UCP)** - Our exclusive integrated materials database in the UCP print driver automatically determines the optimum processing settings for your target material. Just select the material type, enter the material thickness and press “start.”
- **HPDFO™ (High Power Density Focusing Optics)** – This patented optical assembly allows the laser beam to be focused to a much smaller spot, making it possible to engrave smaller text and produce sharper images at tighter tolerances. *Optional.*
- **1-Touch Laser Photo™** - Our popular software package that makes it quick and easy to reproduce stunning photographic images on nearly any material. *Optional.*

SPECIFICATIONS*	
Laser Material Processing Area (W x H)	32 x 18 in. (813 x 457 mm)
Maximum Part Size (W x H x D)	37 x 23 x 8 in. (940 x 584 x 203 mm)
System External Dimensions (W x H x D)	44 x 39 x 36 in. (1118 x 991 x 914 mm)
Rotary Capacity	Max. Diameter 7 in. (177.8 mm)
Motorized Z-Axis Lifting Capacity	40 lbs. (18 kg)
Available Focus Lenses**	2.0 in. (51 mm) / HPDFO™ (High Power Density Focusing Optics)
Laser Platform Interface Panel	Keypad and LCD display
Computer Requirements	Requires dedicated PC with Windows® 7/8/10/11 32/64 bit and one available USB port (2.0 or higher)
Optics Protection	Integrated with included gas assist
Cabinet Style	Free-standing
Laser Options	10.6 μm CO ₂ : 10, 30, 40, 50, 60 and 75 watts; Up to 150 watts with dual lasers 9.3 μm CO ₂ : 30, 50 and 75 watts
Approximate Weight	345 lbs. (156 kg)
Power Requirements	220V-240V/15A
Exhaust Connection	Two 4 in. (102 mm) ports; 500 CFM @ 6 in. static pressure (850 m ³ /hr. at 1.5 kPa)

*Specifications are based on the 2.0 in. (50 mm) focus lens. Full specifications are available on the ULS website and are subject to change.

**Consult ULS for 1.5 in. (38 mm) and 4.0 in. (101 mm) focus lenses.

WARNING: UNIVERSAL LASER SYSTEMS PRODUCTS ARE NOT DESIGNED, TESTED, INTENDED OR AUTHORIZED FOR USE IN ANY MEDICAL APPLICATIONS, SURGICAL APPLICATIONS, MEDICAL DEVICE MANUFACTURING, OR ANY SIMILAR PROCEDURE OR PROCESS REQUIRING APPROVAL, TESTING, OR CERTIFICATION BY THE UNITED STATES FOOD AND DRUG ADMINISTRATION OR OTHER SIMILAR GOVERNMENTAL ENTITIES. FOR FURTHER INFORMATION REGARDING THIS WARNING CONTACT UNIVERSAL LASER SYSTEMS OR VISIT WWW.ULSINC.COM.



Universal laser systems are protected under one or more U.S. Patents: 7,060,934; 7,415,051; 7,715,454; 7,723,638; 7,947,919; 8,101,883; 8,294,062; 8,599,898; 8,603,217; 9,155,988; 9,263,844; 9,263,845; 9,281,649; 9,346,122; 9,354,630; 9,694,448; 9,737,958; 10,391,345; 10,456,875; 11,198,193. Other U.S. and international patents pending.

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PLS6.150D PRODUCT SPECIFICATION