UNIVERSAL®
L A S E R   S Y S T E M S

PLS6.150D with SuperSpeed™
32" x 18" Work Area

Uniquely Universal Features

Laser Interface+™
Universal Laser Systems has developed the world's most advanced, powerful and flexible laser print driver.

1-Touch Laser Photo™
We developed this software to make any photographic image suitable for laser engraving.

Universal Laser Sources
Our exclusive line of patented CO2 Free-Space Gas Slab Lasers is designed specifically for the needs of laser cutting, engraving, graphic imaging and marking applications.

High Power Density Focusing Optics™
These optics allow the laser beam to be focused to a much smaller spot, producing sharper images at tighter tolerances.

Rapid Reconfiguration™
Every laser cartridge we produce is factory pre-aligned for easy integration into any of our laser platforms.

Dual Laser Configuration
Giving you the ability to merge two independent laser sources into a single beam for additional power and flexibility.

SuperSpeed™
This innovation pulses the two lasers independently, allowing for two lines of a raster image to be marked

Platform Overview

The PLS6.150D with SuperSpeed platform is designed and engineered for applications requiring high speed and maximum power flexibility. The PLS6.150D comes standard with SuperSpeed and Dual Laser Configuration. SuperSpeed was developed primarily for raster image applications. This patented technology pulses the two laser beams independently, making it possible for two lines of a raster image to be marked simultaneously. The laser beams can also be combined for high-power vector cutting. The PLS6.150D has a processing power range of 20 watts, using two 10-watt lasers, to 150 watts, using two 75-watt lasers.

The material processing envelope is 32" x 18" x 9", 5,184 in3 (813 x 457 x 229mm, 84,950 cm3). The PLS6.150D with SuperSpeed is particularly suited to businesses requiring both high-speed raster engraving and powerful vector cutting. There are also a number of patented Uniquely Universal features designed to expand your processing capabilities that are only available from Universal Laser Systems. On the PLS6.150D with SuperSpeed, Laser Interface+, Rapid Reconfiguration and Dual Laser Configuration are Uniquely Universal features that come standard. All Universal laser platforms use interchangeable components, giving you the ability to tailor your system to fit your needs.

UNIVERSAL®
L A S E R   S Y S T E M S

UNIVERSAL®
L A S E R   S Y S T E M S

PLS6.150D with SuperSpeed™
32" x 18" Work Area

System Specifications

Work Surface Area	32 x 18 in (813 x 457mm)
Maximum Part Size	37 x 23 x 9 in (940 x 584 x 229mm)
Dimensions	44 x 39 x 36 in (1118 x 991 x 914 mm)
Rotary Capacity	Max Diameter 8 in (203 mm)
Motorized Z Axis Lifting Capacity	40 lbs (18 kg)
Available Focus Lenses CO2	1.5 in (38 mm)
	2.0 in (51 mm) *standard
	2.5 in (64 mm)
	4.0 in (102 mm)
Laser Platform Interface Panel	Keypad and LCD display shows current file name, laser power, engraving speed, PPI and run time.
Operating System Compatibility	Requires a dedicated PC to operate. Compatible with Windows XP/Vista/7 32/64 bit
PC Connection	USB 2.0
Optics Protection	Air Assist Available
Cabinet Style	Floor-Standing
Laser Options	10, 25, 30, 40, 50, 60 and 75 Watts equipped for two lasers - must be of equal power
Approximate Weight	345 lbs (156 kg)
Power Requirements	110V/10A or 220V-240V/15A
Exhaust Connection	Two 4 in (102 mm) ports 500 CFM @ 6 in static pressure (850 m3/hr at 1.5 kPa)

System Features

Laminated Safety Glass
Over-temp Alarm (for fire safety)
Multiple Automatic Focusing Modes
Precision Digital Motors
LCD display
Wraparound Top and Front Door
Multiple Language Support
Permanently Sealed Bearings
Proportional Pulse Control
Stretch-Free Kevlar® Belts

Laser Features

Laser Fan Control (to reduce noise)
Smart Lasers
Laser Pointer
Wide Selection of Power Levels
Air-Cooled Laser Cartridge
Patented Permalign™
No Optical Beam Alignment Required
Patented Cross-Platform Compatibility
Patented Free-Space Gas Slab Laser Design
High Reliability, Excellent Power Stability
Warranty Available Up To 5 Years

UNIVERSAL®
L A S E R   S Y S T E M S