VLS PLATFORM SERIES LASER SYSTEMS

The VLS Platform Series are free-standing laser systems. The series includes the VLS3.75, VLS 4.75 and VLS6.75.

All VLS Platform Series systems offer CO_2 laser power from 10 to 75 watts 10.6 µm or 30, 50 or 75 watt 9.3 µm.

The VLS6.75 offers a 32 x 18 in (813 x 457 mm) material processing area, the VLS4.75 offers 24 x 18 in (610 x 457 mm) and the VLS3.75 offers 24 x 12 in (610 x 305 mm).

VLS6.75

KEY FEATURES

- **Laser Sources** - Our patented, metal core, air-cooled, free-space slab, CO_2 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*	VLS3.75	VLS4.75	VLS6.75
Material Processing Area (W x H)	24 x 12 in. (610 x 305 mm)	24 x 18 in. (610 x 457 mm)	32 x 18 in. (813 x 457 mm)
Maximum Part Size (W x H x D)	29 x 17 x 8 in. (737 x 432 x 203 mm)	29 x 23 x 8 in. (737 x 584 x 203 mm)	37 x 23 x 8 in. (940 x 584 x 203 mm)
System External Dimensions (W x H x D)	36 x 38 x 30 in. (914 x 965 x 762 mm)	36 x 39 x 36 in. (914 x 991 x 914 mm)	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. (50 mm) / HPDFO™ (High Power Density Focusing Optics)		
Laser Platform Interface Panel	Five-button keypad		
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 9.3 µm CO_2: 30, 50 and 75 watts		
Approximate Weight	235 lbs. (107 kg)	270 lbs. (122 kg)	325 lbs. (147 kg)
Power Requirements	110V/10A; 220V-240V/5A		
Exhaust Connection	One 4 in. (102 mm) port; 250 CFM @ 6 in. static pressure (425 m^3/hr. at 1.5 kPa)		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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