

VLS DESKTOP SERIES LASER SYSTEMS

The VLS Desktop Series are compact and economical entry level laser systems. The series includes the VLS2.30DT and VLS3.60DT.

The VLS3.60DT offers a 24 x 12 in (610 x 305 mm) material processing area and CO₂ laser power from 10 to 60 watts 10.6 μm or 30 or 50 watt 9.3 μm.

The VLS2.30DT offers a 16 x 12 in (406 x 305 mm) material processing area and CO₂ laser power from 10 to 30 watts 10.6 μm or 30 watts 9.3 μm.



VLS3.60DT Shown with optional Air Filtration Cart

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.
- **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*	VLS2.30DT	VLS3.60DT
Material Processing Area (W x H)	16 x 12 in. (406 x 305 mm)	24 x 12 in. (610 x 305 mm)
Maximum Part Size (W x H x D)	18.75 x 14.6 x 4 in. (476 x 370 x 102 mm)	26.75 x 14.6 x 4 in. (679 x 370 x 102 mm)
System External Dimensions (W x H x D)	26 x 14 x 25 in. (661 x 356 x 635 mm)	34 x 14 x 25 in. (864 x 356 x 635 mm)
Rotary Capacity	Max. Diameter 5 in. (127 mm); Min. Diameter 0.5 in. (12.7 mm)	
Motorized Z-Axis Lifting Capacity	20 lbs. (9 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	Desktop	
Laser Options	10.6 μm CO ₂ : 10 and 30 watts 9.3 μm CO ₂ : 30 watts	10.6 μm CO ₂ : 10, 30, 40, 50 and 60 watts 9.3 μm CO ₂ : 30 and 50 watts
Approximate Weight	70 lbs. (32 kg)	95 lbs. (43 kg)
Power Requirements	110V/10A; 220V-240V/5A	
Exhaust Connection	One 3 in. (76 mm) port; 150 CFM @ 6 in. static pressure (255 m ³ /hr. at 1.5 kPa)	One 3 in. (76 mm) port; 250 CFM @ 6 in. static pressure (425 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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VLS DESKTOP SERIES PRODUCT SPECIFICATIONS