

VLS Desktop Series

Laser Technology on Your Desktop

The VLS 2.30 and 3.50 desktop lasers are the easiest ways to get started with laser technology. Roughly the size of a printer, a VLS desktop laser packs sophisticated laser processing capabilities into an attractive, durable package. An optional computer-controlled air cleaner cart is available that allows a VLS desktop laser to be used without a dedicated exhaust system, making installation and operation even simpler. The ease of use and small footprint of the VLS desktop laser makes it easy to fit laser technology into your business, whatever it might be.



Choice of five colors

Laser Technology Benefits

- ▶ **Software Controlled** - The laser can be controlled by any software with a print function.
- ▶ **Multi-Material** - Process an endless number of materials available today and in the future.
- ▶ **Multi-Process** - Cut, engrave, mark, and produce photo images in one step.
- ▶ **Non Contact** - Modify material without applying any physical force.
- ▶ **On Demand** - Produce everything you need in real time, without waiting for hard tooling.

Uniquely Universal Features

- ▶ **ULR Laser Sources**
Universal's patented air-cooled free-space gas slab lasers produce an excellent quality beam with even power distribution and good near- and far-field characteristics, making them ideal for laser material processing.
- ▶ **High Power Density Focusing Optics**
High Power Density Focusing Optics (HPDFO) allow 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.
- ▶ **Laser Interface⁺**
This materials-based driver automatically determines the optimum processing settings for your target material. Just select the material type, enter in the material thickness, and start the laser system.
- ▶ **1-Touch Laser Photo[™]**
1-Touch Laser Photo is a proprietary software package that makes it quick and easy to produce photographic images on nearly any material.

System Specifications

	VLS2.30	VLS3.50
▶ Work Surface Area (WxH)	16 x 12 in (406 x 305 mm)	24 x 12 in (610 x 305 mm)
▶ Maximum Part Size (WxHxD)	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)
▶ Dimensions¹ (WxHxD)	26 x 14 x 25 in (660 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) with 1.5 in (38.1 mm) lens Min Diameter 1 in (25.4 mm) with 2 in (50.8 mm) lens	
▶ Motorized Z Axis Lifting Capacity	20 lbs (9 kg)	
▶ Available Focus Lenses	1.5 in 2.0 in Standard	
▶ Laser Platform Interface Panel	Five button keypad	
▶ Operating System Compatibility	Requires a dedicated PC to operate. Compatible with Windows [®] XP/Vista/7/8 – 32/64 bit	
▶ PC Connection	USB 2.0 or higher	
▶ Cabinet Style	Desktop	
▶ Optics Protection	Plumbed for compressed-air-based optics protection	
▶ Laser Options	10, 25, 30 Watts	10, 25, 30, 40, 50 Watts
▶ Approximate Weight¹	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)

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UNIVERSAL[®]
LASER SYSTEMS

Learn more at ulsinc.com

CDRH Class 1 safety enclosure for CO₂ laser². Class 2 for red laser pointer.

¹ Does not include optional cart

² CDRH Class 1 laser safety enclosure provides for safe operation without the need for an interlocked room or protective eyewear.



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's laser systems are protected under one or more of U.S. Patents: 5,661,746; 5,754,575; 5,867,517; 5,881,087; 5,894,493; 5,901,167; 5,982,803; 6,181,719; 6,313,433; 6,342,687; 6,423,925; 6,424,670; 6,983,001; 7,060,934; 7,415,051; 7,469,000; 7,715,454; 7,723,638; 7,947,919; 8,101,883. Other U.S. and international patents pending. Made in the U.S.A.

The VLS Desktop system has been awarded U.S. Design Patent No. D517,474 for the unique design of its external cabinet, which also functions as a Class 1 laser safety enclosure.

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