

VLS Desktop Series

Laser Technology on Your Desktop

The VLS2.30 and 3.50 Desktop laser platforms are the easiest way to get started with laser technology. About 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. Installation and operation is simple. The ease of use and small footprint of the VLS Desktop laser makes it easy to fit laser technology onto your workbench or business.



Choice of five colors

Laser Technology Benefits

- ▶ **Software Controlled** - Any Windows[®]-based software with a print function can be used with the laser system.
- ▶ **Multi-Material** - Process an endless number of materials.
- ▶ **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

▶ 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. Dual lasers dramatically increase speed, edge quality and power.

▶ 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."

▶ High Power Density Focusing Optics™

High Power Density Focusing Optics (HPDFO™) focuses the laser beam to the smallest spot size available, producing images with tighter tolerances, making even miniscule engraving details sharp.

▶ 1-Touch Laser Photo™

1-Touch Laser Photo is our popular software package that makes it quick and easy to reproduce stunning photographic images on nearly any material.

System Specifications

	VLS2.30	VLS3.50
▶ Work Surface Area (WxH)	406 x 305 mm	610 x 305 mm
▶ Maximum Part Size¹ (WxHxD)	476 x 370 x 102 mm	679 x 370 x 102 mm
▶ Dimensions² (WxHxD)	660 x 356 x 635 mm	864 x 356 x 635 mm
▶ Rotary Capacity	Max. Diameter 127 mm with 1.5 lens. Min. Diameter 25.4 mm with 2.0 lens.	
▶ Motorized Z-Axis Lifting Capacity	9 kg	
▶ Available Focus Lenses	1.5 / 2.0 (Standard) / HPDFO™	
▶ Laser Platform Interface Panel	Five-button keypad	
▶ Operating System Compatibility	Requires a dedicated PC to operate. Compatible with Windows® XP/Vista/7/8/10 – 32/64 bit.	
▶ PC Connection	USB 2.0 or higher	
▶ Cabinet Style³	Desktop	
▶ Optics Protection	Plumbed for compressed air-based optics protection	
▶ Laser Options	10, 25, 30 W	10, 25, 30, 40, 50 W
▶ Approximate Weight²	32 kg	43 kg
▶ Power Requirements	110V/10A; 220V-240V/5A	
▶ Exhaust Connection	One 76 mm port 255 m ³ /hr at 1.5 kPa.	One 76 mm port 425 m ³ /hr at 1.5 kPa.

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Distributed by:

CDRH Class 1 safety enclosure for CO₂ laser³. Class 2 for red laser pointer.

¹ Maximum part size defined as used with 1.5 lens.

² Does not include optional cart.

³ 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.

ULS laser systems are protected under one or more of U.S. Patents: 5,051,558; 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; 8,294,062; 8,599,898; 8,603,217. 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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