# UNIVERSAL®
## L A S E R   S Y S T E M S

# 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 into your 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, $CO_2$ 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™) 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.

▸ **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 (W x H)** | 16 x 12 in<br>(406 x 305 mm) | 24 x 12 in<br>(610 x 305 mm) |
| ▶ **Maximum Part Size[1] (W x H x D)** | 18.75 x 14.6 x 4 in<br>(476 x 370 x 102 mm) | 26.75 x 14.6 x 4 in<br>(679 x 370 x 102 mm) |
| ▶ **Dimensions[2] (W x H x D)** | 26 x 14 x 25 in<br>(660 x 356 x 635 mm) | 34 x 14 x 25 in<br>(864 x 356 x 635 mm) |
| ▶ **Rotary Capacity** | Max. Diameter 4.5 in (115 mm).<br>Min. Diameter 1 in (25.4 mm). | |
| ▶ **Motorized Z-Axis Lifting Capacity** | 20 lbs (9 kg) | |
| ▶ **Available Focus Lenses** | 2.0 / HPDFO™ | |
| ▶ **Laser Platform Interface Panel** | Five-button keypad | |
| ▶ **Computer Requirements** | Requires dedicated PC with Windows® 7/8/10 32/64 bit<br>and one available USB port (2.0 or higher). | |
| ▶ **Cabinet Style[3]** | Desktop | |
| ▶ **Optics Protection** | Ready for compressed air-based optics protection. | |
| ▶ **Laser Options** | 10, 25, 30 watts | 10, 25, 30, 40, 50 watts |
| ▶ **Approximate Weight[2]** | 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<br>static pressure (255 m³/hr at 1.5 kPa). | One 3 in (76 mm) port 250 CFM @ 6 in<br>static pressure (425 m³/hr at 1.5 kPa). |

USA

▶ **USA**

7845 E. Paradise Lane
Scottsdale, AZ 85260

+1 480-483-1214
moreinfo@ulsinc.com

▶ **Japan**

The Yokohama Landmark Tower
15th Fl. 2-2-1-1 Minato Mirai
Nishi-ku Yokohama-shi
Kanagawa-ken 220-8115 Japan

+81 45-224-2270
japansales@ulsinc.com

▶ **Europe/Middle East/Africa**

Lerchenfelder Gürtel 43
1160 Vienna, Austria

+43 1-402-22-50
eurosales@ulsinc.com

**UNIVERSAL®**
**L A S E R   S Y S T E M S**

*Learn more at* **ulsinc.com**

CDRH Class 1 safety enclosure for $CO_2$ laser[3]. 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: 5,661,746; 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; 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; D517,474. 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.

©2016 Universal Laser Systems. All Rights Reserved. The Universal Laser Systems logo and name are registered trademarks of Universal Laser Systems, Inc. All other company and product names are trademarks or registered trademarks of their respective companies.

MC013-0715   REV2017.03