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.

UNIVERSAL® LASER SYSTEMS

System Specifications

	VLS2.30	VLS3.50
Work Surface Area (W x H)	406 x 305 mm	610 x 305 mm
Maximum Part Size[1] (W x H x D)	476 x 370 x 102 mm	679 x 370 x 102 mm
Dimensions[2] (W x H x D)	660 x 356 x 635 mm	864 x 356 x 635 mm
Rotary Capacity	Maximum Diameter 115 mm. Minimum Diameter 25.4 mm.	
Motorized Z-Axis Lifting Capacity	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 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, 30W	10, 25, 30, 40, 50W
Approximate Weight[2]	32 kg	43 kg
Power Requirements	110V/10A; 220V-240V/5A	
Exhaust Connection	One 76 mm port 255 m³/hr at 1.5 kPa.	One 76 mm port 425 m³/hr at 1.5 kPa.

USA
Global Headquarters
7845 E. Paradise Lane
Scottsdale, AZ 85260

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

Europe/Middle East/Africa
Lerchenfelder Gürtel 43
1160 Vienna, Austria

+43 1-402-22-50
eurosales@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

Learn more at **ulsinc.com**

Distributed by:

CDRH Class 1 safety enclosure for CO_2 laser[3]. Class 2 for red laser pointer.

[1] Maximum part size defined as used with 2.0 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.

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.

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