

VLS2.30

16" x 12" Work Area



Uniquely Universal Features

Laser Interface+™

Universal Laser Systems has developed the world's most advanced, powerful and flexible laser print driver.

1-Touch Laser Photo™

We developed this software to make any photographic image suitable for laser engraving.

Universal Laser Cartridges

Our exclusive line of patented CO2 Free-Space Gas Slab Lasers is designed specifically for the needs of laser cutting, engraving, graphic imaging and marking applications.

High Power Density Focusing Optics™

These optics allow the laser beam to be focused to a much smaller spot, producing sharper images at tighter tolerances.



Platform Overview

The desktop VLS2.30 is a compact and economical platform designed to be an entry level laser machine for starting your laser material processing business. The VLS2.30 is well suited to prototype development and on-demand production and also makes a capable second machine to handle production overflow. The VLS2.30 offers a material processing envelope of 16" x 12" x 4", 768 in3 (406 x 305 x 102mm, 12,585 cm3) and can be equipped with one of three laser cartridges ranging in power from 10-30 watts. The VLS2.30 comes standard with Laser Interface+ and a number of additional options are available to enhance your laser processing capabilities. All Universal laser platforms use interchangeable components, giving you the ability to tailor your system to fit your needs.

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System Specifications

Work Surface Area	16 x 12 in (406 x 305mm)
Maximum Part Size	18.75 x 14.6 x 4 in (476 x 368 x 102mm)
Dimensions	26 x 14 x 25 in (661 x 356 x 635 mm)
Rotary Capacity	Max Diameter 5 in (127 mm) with 1.5 in (38.1 mm) lens Max 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 CO2	1.5 in (38 mm) 2.0 in (51 mm) *standard
Laser Platform Interface Panel	Five button keypad
Operating System Compatibility	Requires a dedicated PC to operate. Compatible with Windows XP/Vista/7 32/64 bit
PC Connection	USB 2.0
Optics Protection	Plumbed for compressed-air-based optics protection.
Cabinet Style	Desktop
Laser Options	10, 25, and 30 Watts
Approximate Weight	70 lbs (32 kg)
Power Requirements	110V/10A or 220V-240V/15A
Exhaust Connection	One 3 in (76 mm) port 150 CFM @ 6 in static pressure (255 m3/hr at 1.5 kPa)

System Features

Laminated Safety Glass
Over-temp Alarm (for fire safety)
Multiple Automatic Focusing Modes
Precision Digital Motors
Multiple Language Support
Permanently Sealed Bearings
Proportional Pulse Control
Stretch-Free Kevlar® Belts

Laser Features

Laser Fan Control (to reduce noise)
Smart Lasers
Laser Pointer
Wide Selection of Power Levels
Air-Cooled Laser Cartridge
Patented Permalign™
No Optical Beam Alignment Required
Patented Cross-Platform Compatibility
Patented Free-Space Gas Slab Laser Design
High Reliability, Excellent Power Stability
Warranty Available Up To 5 Years

