UNIVERSAL® LASER SYSTEMS

VLS3.60
24" 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.

Rapid Reconfiguration™ of Lasers
Every laser cartridge we produce is factory pre-aligned for easy integration into any of our laser platforms.

Platform Overview

The VLS3.60 is a free-standing platform designed to be the ideal entry point into light-duty manufacturing. The VLS3.60 is also installed in many educational institutions around the world for architecture, product and graphic design, and materials research programs. The VLS3.60 is a single laser platform that offers a choice of six laser cartridges, ranging in power from 10-60 watts. The VLS3.60 offers a material processing envelope of 24" x 12" x 9", 2,592 in3 (610 x 305 x 229mm, 42,475 cm3). Standard Uniquely Universal features on the VLS3.60 include Laser Interface+ and Rapid Reconfiguration 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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VLS3.60

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System Specifications

Work Surface Area	24 x 12 in (610 x 305mm)
Maximum Part Size	29 x 17 x 9 in (737 x 432 x 229mm)
Dimensions	36 x 38 x 30 in (914 x 965 x 762 mm)
Rotary Capacity	Max Diameter 8 in (203 mm)
Motorized Z Axis Lifting Capacity	40 lbs (18 kg)
Available Focus Lenses CO2	1.5 in (38 mm)
	2.0 in (51 mm) *standard
	2.5 in (64 mm)
	4.0 in (102 mm)
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	Air Assist Available
Cabinet Style	Floor-Standing
Laser Options	10, 25, 30, 40, 50, and 60 Watts
Approximate Weight	235 lbs (107 kg)
Power Requirements	110V/10A or 220V-240V/15A
Exhaust Connection	One 4 in (102 mm) port
	250 CFM @ 6 in static pressure (425 m3/hr at 1.5 kPa)

System Features

Laminated Safety Glass
Over-temp Alarm (for fire safety)
Multiple Automatic Focusing Modes
Precision Digital Motors
LCD display
Wraparound Top and Front Door
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

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