# BOSSLASER™

## BOSS LASER: Gen 5 LS 2436

**The product line represents the pursuit of perfection in laser engraving and cutting!**

*Additional modules and customization available

## BOSS Platform Accessories

**The BOSS Laser Cabinets are created from European designs to all but eliminate stack-able error in the high-end assembly process. You can process both C02 or YAG/Fiber or use them in combination. Additionally you can laser uneven surfaces, focus on two items at a time, even add a conveyor belt to the Production Process, making this a truly industrial unit.**

# BOSSLASER™

## Optional Accessories

### *Long Lasting Laser Optics*

These industrial USA Optics are manufactured with Triple Thick surfaces and only losing one 1/2 watt per Mirror. We have Long Shelf-Life Tubes with quick and easy change outs for continued production.

### *BOSS ONE Warranty Plan*

You get a P.C. with an extra Year Warranty and EngraveLab, Boss Verison and Free Follow-up Training. Create in EngraveLab, CorelDRAW, Adobe, AutoCad whatever your like and send them directly to your laser engraver.
Full Video Course Available!

### *Cylindrical Devices*

Our Cylindrical Devices are both Rotary and Scissor which gives you the ability to engrave on 360° objects. Gaining the ability to engrave on cups, mugs, dials or even a flashlights!

### *Internal Laser Extraction Unit*

This fume extraction system extracts Fumes with outside access, and allow you more mobility and ease

Call Today: 949.355.4000

www.engraverschoice.com

# BOSS Laser System Details

***Red Dot Positioning*** *- Standard Feature*

The Positioning Pointer provides a visible red light that is a useful tool for providing a visible way of calculating the engraving/cutting area within the operational table for your material or odd shaped items. Used in concert with the Frame Key on the Laser Pendant, the laser tube will not fire, but you can see exactly where the laser is going to process the job.

***Auto Focus*** *- Standard Feature*

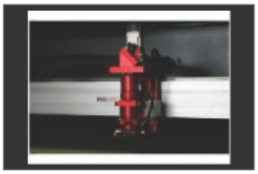
For Perfect image and Vector quality, the laser beam is Auto-focused to the perfect spot size at the the material. Using the Auto Focus Feature is simply a matter of moving the laser head over to the material and selecting the focus option from the Pendant.

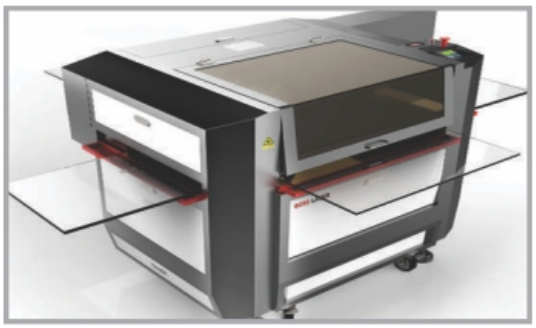
***Air Assist*** *- Standard Feature*

Air Assist is normally used in cutting materials to remove heat or gases from the cutting surface. By pushing a constant stream of low pressure air via the nose cone system to the cutting surface, the risk of flaming, scorching and charring is reduced heavily.

***Honey Comb Cutting Table*** *- Standard Feature*

The Vector Cutting Table keeps the material being cut, off the production platform. This allows the laser beam to move cleanly through the material you're are cutting and helps reduces underside burns.





The Jigged Cylindrical Device will help hold round and odd-shaped items for Lasering. This with the LaserWORKS Pro software allows lasering round objects up to 360 degrees

***Cylindrical Attachment*** *- Available Feature*

***Flash Drive Operation*** *- Standard Feature*

With a USB flash drive you can take your jobs and with Pre-Setup Parameters to another laser engraver or work off-line without the need of a PC.

***Touchscreen & Industrial Pendant*** *- Available Feature*

The embedded controller has a state-of-the-art color touch screen, or use our Industrial Platform to run without the need for a hook-ups to a external computer system.

***Pass-Thru Mode*** *- Standard Feature*

The Pass-Thru Mode allows you to laser materials of longer lengths by opening access doors on the laser. When running this as a Class 4 laser system, extra safety features are normally required.

949-355-4000

**Free Phonetime with Purchase**
**Free Follow-up**
**Onsite Training for Installation, Graphics Training & Applications**

# Courses for LaserCAD

## & the more Advanced

## LASERWORKS or EzCad

# BOSS SYSTEM SPECIFICATIONS

**WINDOWS 10 NO PROBLEM!**

## Technical Specifications

DESCRIPTION

### BOSSLS2436

**FEATURES:**

- Upgrade to Full Turbo Drive™ Servo Motors and get up to 5X more speed vs Steppers - 2,000 mm or or 79"/sec
- Equipped with Boss' X-Series 80W CO2 laser tube w/ optional 105W or 150W upgrade
- NEW! Made In The USA 2021 LightBURN™ Software. The BOSS edition offers an All-In-One laser control software package that offers direct print capability, camera ready, and works with Windows, Mac OS, or Linux.
- New! Features 4 material "Tru-Pass-Thru" points for greater material processing- SEE VID ABOVE
- NEW! Auto Focus function automatically calibrates the distance between the material and laser for optimum focus.
- NEW! Inline Beam Combiner precisely illuminates a red dot over the material for improved accuracy and alignment
- NEW! U.S. optics. Our tests prove 14% beam transmission improvement vs. imported optics.
- Wi-Fi or USB connectivity to PC Option
- Illuminated LCD panel for automated laser head control .
- Motorized Z-Table lowers Z-axis 7" for larger materials.
- Optional Water Chiller w/pump (CW-3000 or 5000) keeps water flowing thru CO2 Tube at ambient temperature.
- Includes Large 260 CFM exhaust fan w/ venting + Max air compressor for air assist at laser head.
- Convenient vacuum table under the Z-table collects finished product into sliding tray.
- Both Honey Comb and Knife Blade Platform included for securing maximum material capacity
- CNC machined parts in stock for long term service and reliability
- Upgraded ball bearing Y axis guide rails ensures smooth & precise laser head movement
- Optional Rotary chuck or roller attachment for etching cylindrical objects
- Compatible with Windows, Mac OS, or Linux (32 or 64-bit) Operating Systems
- Dedicated USA technical support from qualified service technicians and engineers.
- Free Lifetime Tech Support via. phone, email, chat, or remote computer access!
- 30 Day Optional Return Policy.
- 2-Year Warranty covers parts replacement including the Laser Tube.
- LTL shipping shipping not included in price. Call for shipping quote.
- If you have more questions, please call us at 407.917.5476

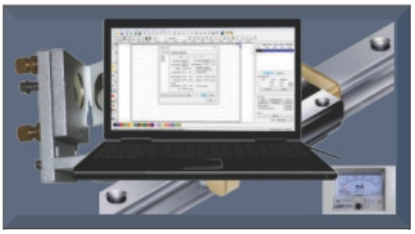
If you're looking for a more turn-key setup, then our BossONE all-in-one laser set up option will get you set up with the optimal pc for your laser. This package offers a powerful Windows 10 laptop pre-installed with Boss' laser interface - Laser Works version 8.

SPECIFICATIONS

| | |
|---|---|
| Cutting Area | 35.4" x 23.6" or 39.75" x 23.6" |
| Work Table Capacity | 300lb. static 200lb. lifting |
| Laser Power | 80W, 105W or 150W options |
| Software Interface | 2021 LightBURN Software |
| Material Capability | Organics / non-metals + pre-treated metals |
| Machine Dimensions | 81.1"L x 46.5"W x 44.5"H (with 150W tube extension) |
| Motor type | Nema Stepper or Turbo Drive™ Servos - 2,000mm or 79"/sec |
| Venting Attachments | Air exhaust fan with venting pipe |
| Material platform | Equipped with Honeycomb & Knife Blade cutting platforms |
| Z table | Motorized Z (7 in. adjustable) |
| Net Weight | 1,300 lbs. |
| Power Supply | Standard AC 110V (220V upon request) |
| OS Compatibility | Windows, Mac OS, or Linux (32 or 64-bit) |
| Software Interface | LightBURN |
| Laser / PC Connectivity | USB connect or WiFi option |
| Job Memory Capacity | 128mb via. USB flash drive |
| Crate Dimensions / Gross Weight | 86" L X 54"W x 50"H / 1,300# |
| Warranty | 24 months (includes parts & CO2 glass tube) |
| Class | Class 4 laser |

Round Devices Available

Upgrade to:
WSC = $897
100 Watts =$1750
150 Watts=$3997



To learn more about the Boss product range, visit **www.bosslaser.com** or contact an authorized BOSS representative in your local area.

Engravers Choice LLC.
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CDRH Class 1 safety enclosure for $CO_2$ laser. Class 3R for red laser pointer. Class 4 for pass-thru mode

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