

BOSSLASER™



BOSS Laser: GEN5-HP 2440

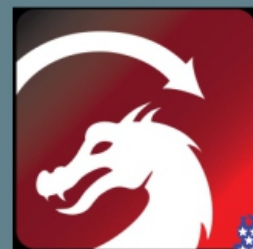
The product line represents the pursuit of perfection in laser engraving and cutting!



BOSSLASER

TP™ NEW!
TURBO
DRIVE
SERVO MOTORS
Up to 5X Faster vs Stepper Motors

Turbo Drive™ Servos - 2,000mm or 79"/sec



*Additional modules and customization available



COREL™ Training

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.



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!



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**, **CoreIDRAW**, Adobe, AutoCad whatever your like and send them directly to your laser engraver. Full Video Course Available!



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

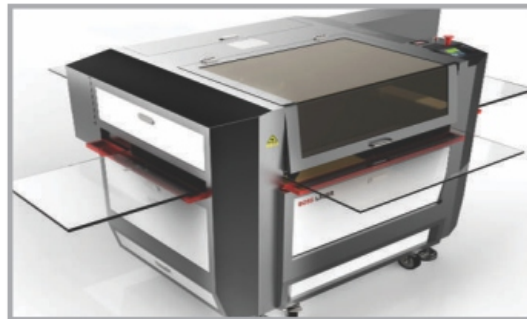
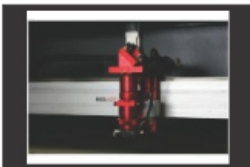
For Perfect image and Vector quality, the laser beam is Auto-focused to the perfect spot size at the material. Using the Auto Focus Feature is simply a matter of moving the laser head over to the material and selecting the focus option from the Pendant.

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.





LightBurn

TRAINING MANUAL

LaserCAD Video Package



Instructed By
Joe Bràga



BOSSLASER™

Laserworks RD Training for Lasers®

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



BOSSLASER

BOSS SYSTEM SPECIFICATIONS



**WINDOWS 10
NO PROBLEM!**



DESCRIPTION

BOSS HP-2440

NOTE: HP Series now includes the CALIFORNIA AIR TOOL S™ 8010 air compressor for maximum cutting capacity with quiet operation.

HP-2440 OFFERS:

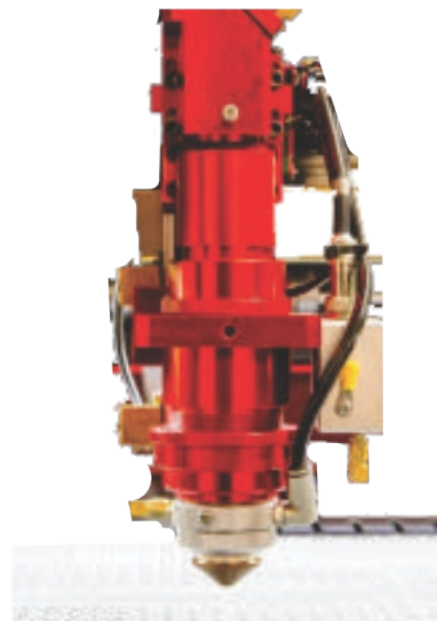
- Full Turbo Drive™ Servo Motors for up to 5X more speed (2,000 mm or or 79"/sec) vs. Steppers
- Call to schedule a personal LIVE demo here at our location in Sanford, FL!
- Designed and Engineered by BossLaser
- Vector cut and/or raster engrave both metal and non-metal materials - SEE VID ABOVE
- Capable of cleanly cutting 18 ga Stainless steel (1.02mm)
- Includes both the Flex™ and the new VectorDC™ reciprocating auto focus laser heads for clean raster and deep cutting
- 4-way Material Pass Thru points for processing over sized materials
- 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.
- Wi-Fi or USB connection to PC Option
- Inline Beam Combiner accurately illuminates a red dot on the material which is helps start up precision - Superior to red dot pointer.
- U.S. optics improves beam transmission by 14% vs. imported optics.
- Push-button Z-axis for accommodating 7" tall objects.
- Includes Industrial Water Chiller w/ pump (CW-5200) keeps water flowing thru CO2 Tube at ambient temperature.
- Includes Max output Air Compressor w/ exhaust fan & tubing for air assistance at the laser head.
- Convenient vacuum table and sliding tray captures finished product
- Knife blade table included for laser processing a broad array of materials
- Industrial CNC machined replacement parts in stock for long term service
- Ball bearing gantry promotes smooth, precision moving laser head
- Optional Chuck or Roller rotary attachment for cylindrical objects
- USA tech support available to serve you Monday-Saturday
- FREE Lifetime Tech Support.** We are a tech support driven company
- Pick-up available at our Orlando/Sanford, FL facility
- 2-year Warranty** covers CO2 Laser machine and laser tube.
- Available **30 Day** Return Policy
- LTL shipping with lift gate for off loading (not included in initial cost)
- Have questions? Please call us at 407.604.7208 for help!
- BOSS LASER is an ISO-9001 Registered Company

Check out our **BossONE** if you want to be in operation ASAP. This all-in-one laser set up will get you set up with the best laptop pc for your laser pre-installed with LaserCAD laser driver software.

NOTE: O₂ assist is necessary to cut metal O₂ tanks not included.

SPECIFICATIONS

Cutting Area	21.2 x 34.4" or 540 x 876mm
Work Area	28 x 38"
Laser Power	150 Watts Standard
Software Interface	LightBURN™
Material Capability	Organics / thin-metal - Able to mark treated metals
Machine Dimensions	81.1" L x 46.5" W x 44.5" H (with 150W tube extension)
Motor type	Turbo Drive™ Servos - 2,000mm or 79"/sec
Z table	Motorized Z (7 in. adjustable)
Material Platforms	Includes Knife & Saw-Tooth Blades
Venting Attachments	Air exhaust fan with venting pipe
Gross Power	Up to 20 amps
Gross Weight	1,400 lbs.
Power Supply	Premium AC 110V (220V upon request)
OS Compatibility	Windows, Mac OS, Linux - (32 or 64 bit)
Drive Type	Nema Steppers
Crate Dimensions / Gross Weight	86" L X 54" W x 50" H / 1,400#
Warranty	2- Year (includes parts & CO2 tube)
Class	Class 4 laser



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

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sales@engraverschoice.com



CDRH Class 1 safety enclosure for CO₂ laser. Class 3R for red laser pointer. Class 4 for pass-thru mode



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