

BOSSLASER™



BOSS Laser: GEN5-HP 5598

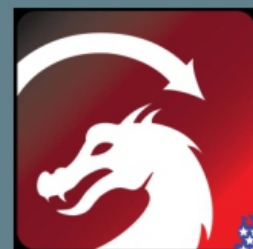
The product line represents the pursuit of perfection in laser engraving and cutting!



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.

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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

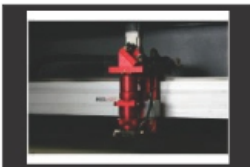
For Perfect image and Vector quality, the laser beam is Auto-focused to the perfect spot size at the material. Using the Auto Focus Feature is simply a matter of moving the laser head over to the material and selecting the focus option from the Pendant.

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.

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LightBurn

TRAINING MANUAL

LaserCAD Video Package



Instructed By
Joe Bràga



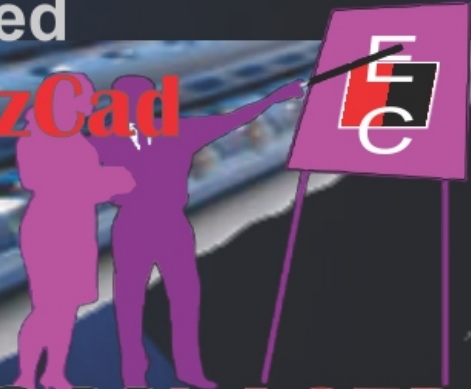
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Laserworks RD Training for Lasers®

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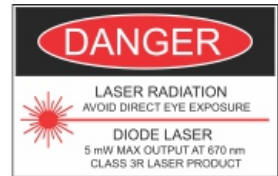
Free Phonetime with Purchase
Free Follow-up
Onsite Training for Installation,
Graphics Training & Appilications

Courses for LaserCAD & the more Advanced LASERWORKS or EzCad



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BOSS SYSTEM SPECIFICATIONS



DESCRIPTION

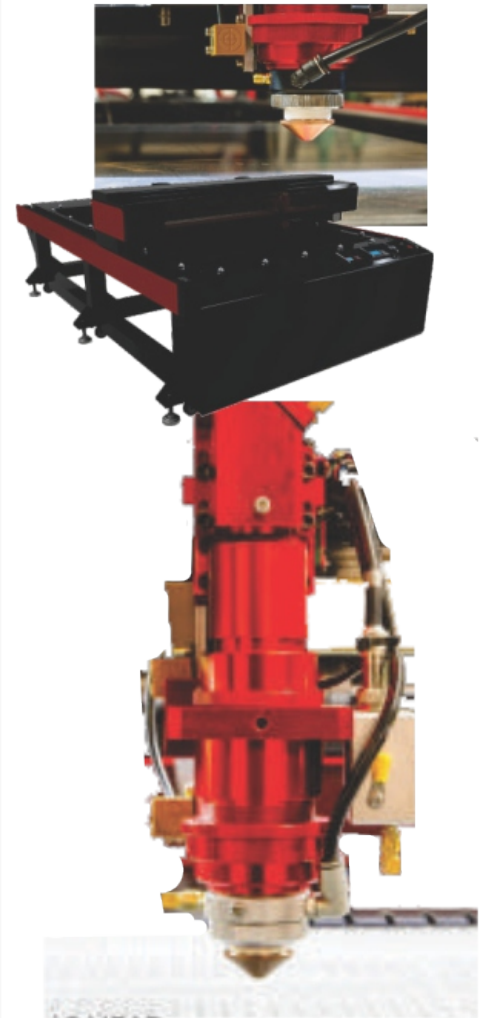
BOSSHP5598

HP-5598 INCLUDES:

- This month: Full Turbo Drive™ Servo Motors for up to 5X more speed (2,000 mm or 79"/sec) vs. Steppers
- Dual laser head design for BOTH vector & raster processing metal & non-metal materials - SEE VIDEO ABOVE
- Schedule an on-site demonstration at our location in Sanford, FL!
- Capable of cleanly cutting 18 ga Stainless steel (1.02mm)
- Max sheet width (material) capacity: 57" wide
- Includes both the Flex™ and the new VectorDC™ reciprocating auto focus laser heads for clean raster and deep cutting
- Hand Held Remote control for ease of use
- 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
- Dual illuminated LCD panels for automated laser head control
- Standard power includes 150W
- LaserCAD laser driver / software designed for vector and raster processing
- NEW! USA manufactured optics. Proven 14% beam transmission improvement vs. imported lenses.
- 120 psi rated laser head w/ 1/4" high pressure air lines and hardware
- Free Industrial Refrigerated Water Chiller w/ temperature alert
- Motorized laser head (z-axis) provides vertical movement - up to 2" for taller objects
- 4x8' knife bladed platform for metal and non-metal processing
- Vacuum table conveniently captures finished product into sliding trays
- Improved exhaust ports for fume extraction includes dual bottom mounts w/ optional gantry mounted ports
- Quality CNC machined parts in stock for long term service and reliability
- X/Y linear axis guide rails promotes smooth & precise laser head movement
- 4 adjustable feet and locking casters for uneven floors and mobility
- Dedicated USA technical support from qualified tech's and engineers
- **FREE Lifetime Tech Support.** We can serve you via. phone, email, chat, or remote computer access!
- On-Site Tech support available
- Pick-up service available at our Orlando, FL facility
- **30 Day** Return Policy
- 2-Year Warranty covers CO2 Laser machine and power tube.
- Discounted onsite, professional Install and Training for a full day
- NOTE: You will need to be able to offload 2,500lb crate from LTL truck (usually flat bed)
- Call 1.407.917.5476 to speak to one of our sales engineers

SPECIFICATIONS

Cutting Area	55.1" x 94.5"
Laser Power	150W to 200+W options
Software Interface	LightBURN™ design software
Material Capability	Organics & Stainless steel
Machine Dimensions	132"L x 84"W x 46.5"H
Motor type	Turbo Drive™ Servos - 2,000mm or 79"/sec
Z-table	Z axis - 2" telescoping laser head
Material Platform	Equipped with Knife Blade cutting platform
Venting Attachments	Dual Air exhaust fan with venting pipe w/ optional gantry mounted ports
Gross Power	1500 Watts / 20 amps
Net Weight	2,800 lbs.
Power Supply	Premium AC 110V
OS Compatibility	Windows, Mac OS, Linux - (32 or 64 bit)
Laser / PC Connectivity	USB or WFI connect
Job Memory Capacity	128mb via. USB flash drive
Warranty	24 months (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.

Engravers Choice LLC.
27572 Genil, Mission Viejo. CA 92691USA
+ 1 949-355-4000
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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