

BOSSLASER™



BOSSLASER: Gen 5 LS 1630

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



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

BOSSLASER 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

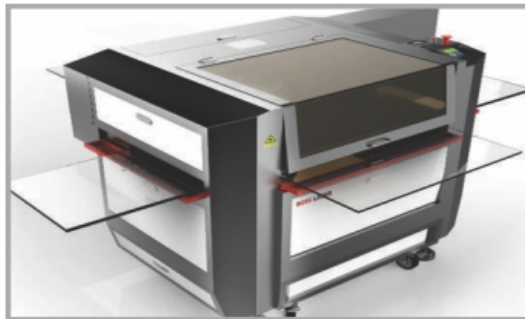
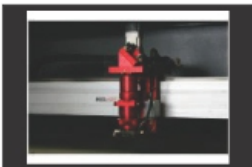
For Perfect image and Vector quality, the laser beam is Auto-focused to the perfect spot size at the material. Using the Auto Focus Feature is simply a matter of moving the laser head over to the material and selecting the focus option from the Pendant.

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



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Laserworks RD Training for Lasers®

949-355-4000

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

**WINDOWS 10
NO PROBLEM!**

Technical Specifications



DESCRIPTION

BOSSL1630

If you're looking for a professional grade laser cutter or engraver to inspire your small business or hobby projects but don't want to spend \$15K to get started, then the GEN 5 - LS-1630 offers a tremendous value. Ask about seeing this machine in a LIVE demo

LS-1630 INCLUDES:

- **New! High Speed Hybrid Servo motors - 1,300mm or 51"/sec. 3X More Speed/Acceleration vs. Steppers!**
- Includes 70 watt CO2 laser tube or optional 105W upgrade (2x's life span)
- **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.
- Front, back, and side material "Tru-Pass-Thru" options for maximum material handling- SEE VID ABOVE
- U. S. focal lenses manufactured in USA. Proven 14% beam transmission improvement vs. imported optics.
- Connectivity to PC via. Wi-Fi or USB option
- Inline Beam Combiner combines red beam with laser to pinpoint a red dot on the material for improved accuracy and alignment
- Auto Focus attachment quickly regulates the initial distance between the laser head and material
- 250 CFM exhaust fan with venting for removing fumes and smoke
- Max Air compressor powers laser head air-assist to keep laser area clean.
- Illuminated LCD panel for automated laser head control
- Motorized Z Table offers push button Z-axis up/down movement - up to 8" for tall materials
- Optional CW-3000 or 5000 water chiller & Exhaust fan to keep laser clean and cool
- Honeycomb and Knife Blade platform for cutting and engraving
- Vacuum table conveniently collects finished product into sliding tray.
- Industrial CNC machined components in stock for long term reliability
- Ball bearing guide rails promotes smooth & precise laser movement
- Optional Roller or Chuck Rotary Attachments for cylindrical objects
- Windows, Mac OS, or Linux (32 or 64-bit) Compatible
- **FREE Lifetime Technical Support** from qualified technicians and engineers
- **No Hassle 30-Day** Return Option
- **Two (2) Full Year Warranty** on laser machine and parts. Ask about optional warranty extensions.
- Have further questions about the machine or shipping? Call 407.386.4104
- Call us if you would like to schedule a demo at our Sanford, FL location
- BOSS LASER is an ISO-9001 Registered Company

Looking for a no hassle, turn-key setup for your machine? Click here to see the **BOSS ONE** all-in-one laser set up option. PC set up includes a robust laptop pre-installed with LaserWorks v8 laser software.

SPECIFICATIONS

Cutting Area	400 x 750mm or 15.75' x 29.50"
Work Table Capacity	200lb movement, 300lb static
Laser Power	Includes 65W CO2 w/ available 100W
Software Interface	2021 LightBURN™ Software
Material Capability	Organics / non-metal - Able to mark pre-treated metals
Machine Dimensions	65.5"L x 37.5"W x 44.5"H (with 100W tube extension)
Venting Attachments	Air exhaust fan with venting tube
Motor type	Hybrid Servo Drives- 1,300mm or 51"/sec
Z table	Motorized Z (8 in. up/down adjustable)
Material platform	Both Honeycomb & Knife Blade cutting tables
Gross Weight	1,000 lbs.
Power Supply	AC 110V (220V available upon request)
OS Compatibility	Windows, Mac OS, or Linux (32 or 64-bit)
Laser / PC Connectivity	USB connection
Job Memory Capacity	128mb via. USB flash drive or WIFI networking
Rotary Capable	Chuck or Roller options available
Crate Dimensions / Gross Weight	66" Deep X 43"W x 50"H / 1,000#
Warranty	24 months (includes parts & CO2 tube)
Class	Class 4 laser

Round Devices Available

Upgrade to:
WSC = \$897
100 Watts = \$1750
Chuck II = \$797

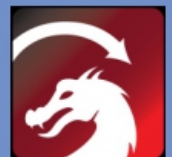


To learn more about the Boss product range, visit www.bosslaser.com or contact an authorized BOSS representative in your local area.

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



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