

BOSSLASER™



BOSS LASER: Gen 5 LS 3655

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

A graphic of a speedometer with a needle pointing towards the number 7. The speedometer is part of a larger black rectangular area that also contains the TP Servo Motors logo and text.

*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-true even 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**, **CorelDRAW**, 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

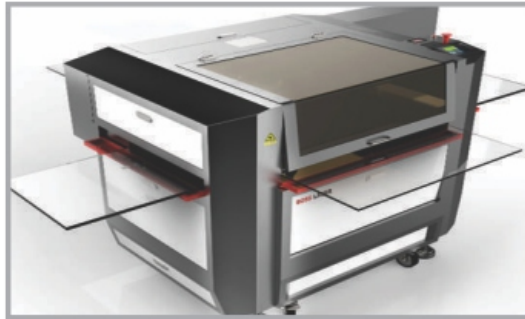
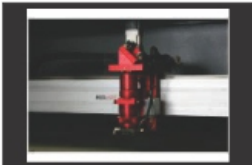
For Perfect image and Vector quality, the laser beam is Auto-focused to the perfect spot size at the material. Using the Auto Focus Feature is simply a matter of moving the laser head over to the material and selecting the focus option from the Pendant.

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 & Appilications

Courses for LaserCAD
& the more Advanced
LASERWORKS or EzCad



BOSSLASER

BOSS SYSTEM SPECIFICATIONS

**WINDOWS 10
NO PROBLEM!**

Technical Specifications



Round Devices Available

DESCRIPTION

BOSSL3655

Looking to etch or cut metal? Check out our **HP series** lasers.

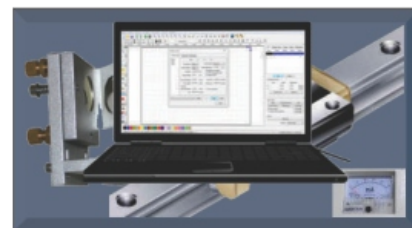
LS-3655 INCLUDES:

- **NOW IN STOCK!**
- Optional Upgrade to Full Turbo Drive™ Servo Motors. Get up to 5X more speed vs Steppers - 2,000 mm or 79"/sec
- Want to see this machine LIVE? Call us and schedule an on-site demo at our facility - SEE VID ABOVE
- 80W metal sealed CO2 laser tube with optional upgrades from 105 to 150 watts
- 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!** 4 material Tru-Pass-Thru options for virtually unlimited material flexibility
- **NEW!** Auto Focus assembly automatically regulates the start-up distance between the laser head and the material
- **NEW!** Inline Beam Combiner accurately illuminates red dot over your material for improved accuracy and alignment
- **NEW!** U.S. manufactured optics. Proven 14% improved beam transmission vs. imported lenses.
- Wi-Fi or USB connectivity available
- Illuminated LCD panel for automated laser head control
- Motorized Z-Table lowers Z-axis 7" for tall materials.
- Both Honey Comb and Knife Blade Platforms included for securing maximum material capacity
- Vacuum table under the Z-table captures finished product into sliding tray.
- Quality CNC machined parts in stock for long term service and reliability
- Linear bearing X & Y axis guide rails promotes quiet, smooth & precise laser movement
- Optional Rotary Roller or Chuck attachment for cylindrical objects
- Dedicated USA technical support Mon - Saturday
- **FREE Lifetime Tech Support.** We are a tech support driven company
- **30-Day** Return Policy Included
- **2-year Warranty** covers CO2 Laser machine parts PLUS laser power.
- Low LTL Insured shipping rates to North America. Allow 3-10 days for LTL delivery w/in lower 48 states.
- Please call 407.603.3243 for accurate shipping quote and ETA
- BOSS LASER is an ISO-9001 Registered Company

Need your laser machine to be up and running quickly? Try our turn-key PC setup: **BOSS ONE.** This all-in-one option offers a robust Win 10 laptop with Laser Works V.8 laser software pre-installed.

SPECIFICATIONS

Cutting Area	55.1 x 35.4in. (1400 x 900mm)
Laser Power	80W, 105W & 150W power options
Software Interface	2020 LightBURN™
Machine Dimensions	81.5"L x 58.2"W x 44.5"H
Material Capability	Organics or non-metals + pre-treated metals
Motor type	Nema Stepper or Turbo Drive™ Servos - 2,000mm or 79"/sec
Material platform	Equipped with Honeycomb & Knife Blade cutting tables
Z table	Auto Z-table lowers 7"
Venting Attachments	Air exhaust fan with venting pipe
Net Weight	1150 lbs.
Gross Power	1500 Watts / 13 Amps
Power Supply	Premium AC 110V (220V upon request)
OS Compatibility	Windows, Mac OS, Linux - (32 or 64 bit)
Laser / PC Connectivity	USB connect
Job Memory Capacity	128mb via. USB flash drive
Crate Dimensions / Gross Weight	88"L X 64"W x 50"H / 1,400#
Warranty	24 months (includes parts & CO2 power)
Class	Class 4 laser

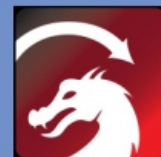


To learn more about the Boss product range, visit www.bosslaser.com or contact an authorized BOSS representative in your local area.

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



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