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# CO2 LASER CNC

## MACHINES
## CATALOG

PRO CUT | L53

GoldStar CNC

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# SWIFT CUT L43

The SWIFT CUT L43 is a highly versatile and efficient laser cutter and engraver, certified by CE and FDA. With a working area of 4 feet x 3 feet, this advanced machine allows for precise cutting and engraving on various non-metal materials, with a maximum thickness of 1 inch. Equipped with a powerful CO2 laser tube and advanced CNC controller, the SWIFT CUT L43 delivers exceptional performance across diverse industrial applications.

## TECHNICAL SPECIFICATIONS

| |
|---|
| Working Area: 4 feet x 3 feet |
| Laser Power: 80W/100W/120W/150W/180W/200W/250W/300W/350W |
| Laser Type: Sealed Glass CO2 Laser Tube,10-6μm |
| Cooling Type: Water Cooling |
| Engraving Speed: 0-1969 ft/min |
| Cutting Speed: 0-1312 ft/min |
| Laser Output Control: 0-100% set by software |
| Min. Engraving Size: 0.04*0.04in |
| Highest Scanning Precision: 4000DPI |
| Locating Accuracy: <0.0004in |
| Controlling Software: DSP Control System |
| Graphic Format Supported: DST/PLT/BMP/DWG/DXF/AI/HPGL... |
| Compatible Software: CORELDRAW, PHOTOSHOP, AUTOCAD, TAJIMA |
| Color Separation: Yes |
| Drive System: High-precision 3-phase Stepper Motor |
| Auxiliary Equipment: Exhaust Fan and Air Exhaust Pipe |
| Power Supply: AC110V/220V+10%,50HZ/60HZ |
| Working Environment: Temperature:32-113F Humidity 5-95% (No Condensate Water) |

## FEATURES

- ☑ Cutting and engraving table size: 4 feet x 3 feet.
- ☑ Glass CO2 laser tube.
- ☑ Water chiller.
- ☑ Advanced CNC controller.
- ☑ Knife table/honeycomb table.
- ☑ Durable inner rail guide.
- ☑ Reliable limit switcher.
- ☑ Water cut-off protection sensor.
- ☑ Air compressor.
- ☑ Exhaust fan.
- ☑ Optional up-down table.
- ☑ Optional rotary device.

## APPLICATIONS

The machine is suitable for a variety of Applications in industries such as: Advertisement, arts and crafts, leather, toys garments, modeling, building upholsters, Computerized embroidery and clipping Packaging paper industry.

## MATERIALS

The machine can cut and engrave a wide range of non-metal materials, including: Wood, Bamboo, Jade, Marble, Organic, glass Crystal, Plastic, Garments, Paper, Leather, Rubber, Ceramic, Glass.

# PRO MIX L44

The PRO MIX L44 Metal and Non-Metal CO2 Laser Cutter is an advanced machine designed for cutting a wide range of materials, both metallic and non-metallic. With its precision positioning and powerful performance, it stands as an ideal choice for various industries seeking exceptional results.

## TECHNICAL SPECIFICATIONS

| |
|---|
| Working Area: 4 feet x 4 feet |
| Laser Power: 150W/250W/350W |
| Laser Type: Sealed Glass CO2 Laser Tube,10-6μm |
| Cooling Type: Water Cooling |
| Engraving Speed: 0 to 1969 feet/min |
| Cutting Speed: 0 to 1312 feet/min |
| Laser Output Control: 0 to 100% set by software |

## MATERIALS

The machine is well-equipped to cut and engrave a wide variety of materials, including:

- Wood.
- Bamboo.
- Jade.
- Marble.
- Acrylic.
- Crystal.
- Plastic.
- Garments.
- Paper.
- Leather.
- Rubber.
- Ceramic.
- Glass.

## FEATURES

- Versatile Metal and Non-Metal Laser Cutting Offers the flexibility to cut a diverse array of materials, expanding application possibilities.
- Capable of Cutting 0.11-Inch Thick Steel. Provides the ability to handle thicker steel materials, catering to industrial demands.
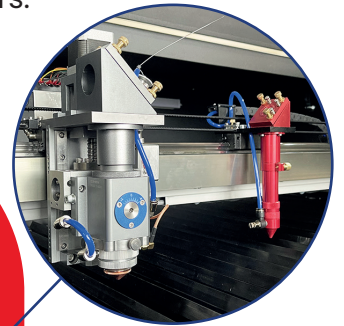- CE and FDA Certifications. Ensures compliance with safety and quality standards for reliable operations.

## APPLICATIONS

This machine can be used in many different industries, including:

- Advertisement.
- Arts and crafts.
- Leatherworking.
- Toys manufacturing.
- Garment production.
- Model making.
- Building upholstery.
- Computerized . embroidery and clipping.
- Packaging.
- Paper industry.

## CORE PARTS

- Honeycomb table/knife table.
- CO2 glass laser tube.
- Smoke exit.
- Water chiller connectors.
- 300W CO2 laser tube.

PRO MIX|L44

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# PRECISION CUT L105

The PRECISION CUT L105 is a CO2 laser cutting and engraving machine designed to work with a wide variety of non-metallic materials.
It features an automatic feeding table and a Canon 1500D camera for precise positioning. With its advanced features and high-precision positioning, it is an ideal choice for various industries.

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Working Area: 10 feet x 5 feet | |
| Laser Power: 100W/120W/150W/180W/200W | |
| Laser Type: Sealed Glass CO2 Laser Tube, 10-6μm | |
| Cooling Type: Water Cooling | |
| Engraving Speed: 0 to 1969 feet/min | |
| Cutting Speed: 0 to 1312 feet/min | |
| Laser Output Control: 0 to 100% set by software | |
| Compatible Systems: XP/Vista/WIN7/WIN10 | |
| Min. Engraving Size: approximately 0.002 in² | |
| Highest Scanning Precision: 4000DPI | |

## MATERIALS

The machine is capable of cutting and engraving a wide range of non-metallic materials, including:

- Cloth leather.
- Clothing fabrics.
- PVC templates.
- Paper samples.
- Acrylic.
- Cardboard.
- Wool.
- Plush toys.
- Two-color board.
- Rubber.
- Wood products.
- Composite materials.

## FEATURES

Multi-head interaction:
saves time and increases efficiency.

Optional single/long head: increases efficiency by 2-4 times.

Flawless Cutting, with no yellowing, burning, loose edges, cropping, or blurry edges. The edges are automatically locked and we also offer the option of a laser cut.

Working Area: approximately 10 feet x 5 feet.

## APPLICATIONS

This machine can be used in many different industries, including:

- Advertising.
- Art and design.
- Leatherworking.
- Toy manufacturing.
- Clothing and textile production.
- Modeling.
- Coating and upholstery.
- Computerized embroidery.
- Trimming.
- Packaging.
- Paper industry.

# COMPACT CUT L32

The COMPACT CUT L32 is an exceptionally versatile and precise laser cutter and engraver, backed by CE and FDA certifications. With a cutting and engraving table size of 3 feet x 2 feet, it can handle various non-metal materials with ease and precision, opening up opportunities in industries such as advertising, crafts, toys, garments, modeling, upholstery, embroidery, packaging, and more. Equipped with a sealed $CO_2$ laser tube and an advanced CNC controller, it ensures high-quality results in every project.

## MATERIALS

- Wood.
- Bamboo.
- Jade.
- Marble.
- Organic glass.
- Crystal.
- Plastic.
- Garments.
- Paper.
- Leather.
- Rubber.
- Ceramic.
- Glass and other non-metal materials.

The COMPACT CUT L32 is a reliable investment for those seeking precision, efficiency, and creativity in their laser cutting and engraving projects. Whether you work in a small business, workshop, or industrial setting, this machine will meet your needs and provide opportunities to take your projects to the next level.

## FEATURES

- Cutting engraving table size: 3 ft x 2 ft Glass $CO_2$ Laser tube.
- Water chiller.
- Advanced CNC controller.
- Knife table/honeycomb table.
- Strong Inner rail guide.
- Reliable limit switch.
- Water cut-off protection sensor.
- Air compressor.
- Exhaust fan.
- Up-down table (optional).
- Rotary device (optional).

## APPLICATIONS

This machine can be used in many different industries, including:

- Advertisement.
- Arts and crafts.
- Leather.
- Toys.
- Garments.
- Modeling.
- Building upholster.
- Computerized embroidery and clipping.
- Packaging and paper industry.

# PRO CUT L53

The PRO CUT L53 is a versatile and efficient metal and non-metal CO2 laser cutter and engraver, certified by CE and FDA. It features a working area of 5 feet x 3 feet and comes with a range of laser power options, from 80W to 350W. The machine is capable of cutting materials such as wood, bamboo, jade, marble, acrylic, plastics, garments, paper, leather, rubber, ceramic, glass, and other non-metal materials with a thickness of up to 1 inch.

Equipped with servo motors, it can achieve engraving speeds of up to 197 feet/min and cutting speeds of up to 131 feet/min. Its smart board automatically controls the exhaust fan, air assist, and alarm lamp for energy saving. The machine also comes with DSP control system software and is compatible with various graphic formats.

## ADVANTAGES

This machine delivers precise cuts with smooth finishes and allows for quick switching between multiple applications and setups.

It offers excellent control over beam intensity, length, and heat output, resulting in lower power consumption and increased efficiency. With its wide range of compatible materials, the machine's non-direct contact process prevents damage to the workpiece, reducing downtime and increasing production rate and profits. Moreover, it boasts low maintenance costs and easily replaceable parts.

## MATERIALS

The machine can cut and engrave a wide range of non-metal materials, including Wood, Bamboo, Jade, Marble, Acrylic, Plastics, Garments, Paper, Leather, Rubber, Ceramic, glass.

## APPLICATIONS

L53 Extreme Cutter is suitable for a variety of applications in industries such as Advertisement Arts, and crafts, Leather, Toys Garments, Modeling, Building upholsters, Computerized embroidery and clipping, Packaging Paper.

## TECHNICAL SPECIFICATIONS

| |
|---|
| Working area: 5 feet x 3 feet |
| Laser power options: 80W/100W/120W/150W/180W/200W/250W/300W/350W |
| Laser type: Sealed glass CO2 laser tube, 10-6µm |
| Cooling type: Water cooling |
| Engraving speed: 0-197 feet/min |
| Cutting speed: 00-131 feet/min |
| Laser output control: 0-100% set by software |
| Min. engraving size: 0.002 in² |
| Highest scanning precision: 4000DPI |
| Locating accuracy: <0.0004 in. |
| Controlling software: DSP control system |
| Graphic format supported: DST/PLT/BMP/DWG/DXF/AI/HPGL... |
| Compatible software: CORELDRAW, PHOTOSHOP, AUTOCAD, TAJIMA |
| Color separation: Yes |
| Drive system: High-precision 3-phase stepper motor |
| Auxiliary equipment: Exhaust fan and air exhaust pipe |
| Power supply: AC110V/220V+10%, 50HZ/60HZ |
| Working environment: Temperature: 32°F-113°F, Humidity 5-95% (No Condensate Water) |

PRO CUT | L53

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# EXTREME CUT L63

The Extreme Cut L63 is a CO2 laser cutting and engraving machine designed for cutting and engraving various non-metallic materials. It features an automatic feeding table and 4 heads for high production capabilities. With its advanced features and precision positioning, it is an ideal choice for many different industries.

## TECHNICAL SPECIFICATIONS

| |
|---|
| Working Area: approximately 6 feet x 3 feet |
| Laser Power: 100W/120W/150W/180W |
| Laser Type: Sealed Glass CO2 Laser Tube,10-6μm |
| Cooling Type: Water Cooling |
| Engraving Speed: 0 to 1969 feet/min |
| Cutting Speed: 0 to 1312 feet/min |
| Laser Output Control: 0 to 100% set by software |
| Minimum Engraving Size: approximately 0.04 inches x 0.04 inches |
| Highest Scanning Precision: 4000 dpi |
| Locating Accuracy: ≤ 0.0004 in |
| Controlling Software: DSP Control System |

## FEATURES

4 heads for high production.
Auto feeding table.
CE, FDA Certificates.

## APPLICATIONS

This machine can be used in many different industries, including:

- Advertisement.
- Art and crafts.
- Leather.
- Toys.
- Garments.
- Model.
- Building upholsters.
- Computerized embroidery and clipping.
- Packaging.
- Paper.

## MATERIALS

The machine is capable of cutting and engraving a wide range of non-metallic materials, including:

- Leather.
- Bags.
- Shoes.

# EDGE CUT L64

The Edge Cut L64 is a CO2 laser cutting and engraving machine designed for cutting and engraving various non-metallic materials. It features an automatic feeding table and a Canon 1500D camera for precise positioning. With its advanced features and precision positioning, it is an ideal choice for many different industries.

## TECHNICAL SPECIFICATIONS

| |
|---|
| Working Area: approximately 6 feet * 4 feet. |
| Laser Power: 100w / 120w / 150w / 180w |
| Laser Type: Sealed Glass CO2 Laser Tube, 10-6 μm |
| Cooling Type: Water cooling |
| Engraving Speed: 0 - 1969 ft/min |
| Cutting Speed: 0 – 131 ft/min |
| Laser Output Control: 0 – 100% set by software |
| Minimum Engraving Size: approximately 0.04 inches x 0.04 inches |
| Highest Scanning Precision: 4000 dpi |
| Locating Accuracy: ≤ 0.0004 in |
| Control Software: DSP Control System |

## MATERIALS

The machine is capable of cutting and engraving a wide range of non-metallic materials, including:

- Fabric.
- Cloth.
- Leather.
- Shoes.
- Bags.

## FEATURES

Fast laser cutting with 2 heads.
CE, FDA Certificates.
Auto feeding table.
Canon Camera 1500D.

## APPLICATIONS

This machine can be used in many different industries, including:

- Advertisement.
- Art and crafts.
- Leather.
- Toys.
- Garments.
- Model.
- Building upholsters.
- Computerized embroidery and clipping.
- Packaging.
- Paper.

## CORE PARTS

- Two CO2 Glass Laser Tubes.
- Two Laser Heads.
- Stepping Drive Motor.
- Inner Rail Guide.
- Canon 1500D Camera.

# MAX CUT L48

The Max Cut L48 is a versatile and efficient machine, certified by CE and FDA, that is specifically engineered for laser cutting and engraving a variety of materials such as wood, acrylic, fabric, leather, paper, and glass. Its advanced features and precise positioning make it an optimal choice for a wide range of industries looking to enhance their cutting and engraving capabilities. The machine primarily uses $CO_2$ gas along with electricity to produce a laser beam that can cut through or engrave most materials.

## TECHNICAL SPECIFICATIONS

| |
|---|
| Working Area: 4 feet X 8 feet |
| Laser Tube Power: 100W/120W/150W/180W |
| Laser Tube: Sealed Glass Co2 Laser Tube, 10.6μm |
| Cooling Type: Water Cooling |
| Engraving Speed: 0-197 feet/min |
| Cutting Speed: 0-131 feet/min |
| Laser Output Control: 0-100% set by software |
| Min. Engraving Size: 0.002 in² |
| Highest Scanning Precision: 4000DPI |
| Locating Accuracy: ≤±0.0004 in |
| Control Software: DSP Control System |
| Graphic Format Supported: DST/ PLT/ BMP/ DXF/ DWG/ AI/ HPGL |
| Compatible Software: CORELDRAW/ PHOTOSHOP/ AUTOCAD/TAJIMA... |
| Color Separation: Yes |
| Drive System: High-precision 3-phase Stepper Motor |
| Auxiliary Equipment: Exhaust Fan and Air Exhaust Pipe |
| Power Supply: AC220V/220V ± 10% 50/60Hz |
| Working Environment Temperature: 32-113°F., Humidity 5-95% (No condensate water) |

## FEATURES

Laser cut and laser engraving capabilities.
CE and FDA Certificates.
High precision with square rail and famous 3-phase step motors.
Strong body made with square tubes.
360° full view lucid acrylic cover.
Turn off the power to continue engraving with cap protection.
Professional control system, fast and easy to use.
3 in 1 closed beam with a simple and generous design.
Long-life laser tube with 10000 hours of lifetime.
Fast-cutting function with the shortest process path to save time.

## APPLICATIONS

This machine is widely used for fine engraving and cutting, hollow carving of acrylic, leather, paper, MDF, rubber, organic board, two-color board, wood board, bamboo products, glass, cloth, resin, plastic, rubber, ceramic tile, crystal, bamboo, organic glass, and other non-metallic materials. The machine can cut and engrave various texts, graphics, images, trademarks, etc. It is suitable for both home and commercial purposes.

## MATERIALS

The machine is capable of cutting and engraving a wide range of materials, including:

- ☑ Wood.
- ☑ Acrylic.
- ☑ Fabric.
- ☑ Leather.
- ☑ Paper.
- ☑ Glass.

# NOVA CUT L21

*The NovaCut L21 is a laser cutter and engraver that is equipped with a water chiller, exhaust fan, and air compressor. It has a working area of 2 feet x 1 feet and is capable of cutting and engraving a variety of materials.*

## APPLICATIONS

This machine can be used in many different industries, including:

- Advertisement.
- Arts and crafts.
- Leather.
- Toys.
- Garments.
- Modeling.
- Building upholster.
- Computerized embroidery and clipping.
- Packaging and paper industry.

## MATERIALS

The machine is capable of cutting and engraving a wide range of non-metallic materials, including:

- Wood.
- Bamboo.
- Jade.
- Marble.
- Organic glass.
- Crystal.
- Plastic.
- Garments.
- Paper.
- Leather.
- Rubber.
- Ceramic.
- Glass and other nonmetal materials.

## FEATURES

- Water chiller.
- Exhaust fan.
- Air compressor.
- Working area: 2 feet x 1 feet.
- Laser power: 40W/60W/80W/100W.
- Laser type: Sealed Glass CO2 Laser Tube, 10-6µm.
- Cooling type: Water Cooling.
- Engraving speed: 0-2362 inches/min.
- Cutting speed: 0-1575 inches/min.
- Laser output control: 0-100% set by software.
- Min. engraving size: 0.04 inches x 0.04 inches.
- Highest scanning precision: 1000DPI.
- Locating accuracy: <0.004 in.
- Controlling software: DSP Control System.
- Graphic format supported: DST/PLT/BMP/DWG /DXF/AI/HPGL.
- Compatible software: CORELDRAW, PHOTOSHOP, AUTOCAD, TAJIMA, etc.
- Color separation: Yes.
- Drive system: High-precision 3-phase Stepper Motor.
- Auxiliary equipment: Exhaust Fan and Air.
- Exhaust Pipe.
- Power Supply: AC110V/220V+10%, 50HZ/60HZ.
- Working Environment: Temperature: 32-113.
- Humidity 5-95%(No Condensate Water).

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