LONE ★ STAR
CUTTING SOLUTIONS

Building America

One part at a time

LONE ★ STAR
CUTTING SOLUTIONS

Lightning 44

Introducing the **Lightning 44** - a 4x4 fiber laser cutting table designed for precision cutting of industrial processes as well as jewelry and artwork. The Lighting 44 is a fully enclosed machine that provides added safety and easy access for maintenance. With its compact size and powerful fiber laser, this machine can easily cut through a variety of metals including stainless steel, brass, and aluminum.

Lightning 44

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Processing Size

49.2in x 49.2in

Machine Specifications

- High precision linear guide with high repeated positioning accuracy, less wearing and stable performance.
- ECAT/Ahead Techs CNC controller based on EtherCAT protocol. Friendly HMI with high flexibility and easy expanding.
- Raytools laser cutting head along with EtherCAT height sensor to safeguard the cutting.
- Highly dustproof class 4 safety enclosure.
- CCD vision system is optional.
- Laser source and chiller are excluded.

2 Year Warranty
Free Lifetime Phone Support

Designed with convenience and ease of use in mind, the Lighting 44 has a user-friendly control panel and intuitive software that is easy to navigate. Additionally, its low power consumption and minimal maintenance requirements make it a cost-effective option for any jewelry or artwork cutting needs.

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Laser Options

MAX PHOTONICS

- It has a super compact design with the laser housed in a hermetically sealed cabinet;
- Maintenance-free Operation,
- A dehumidifier is installed within the cabinet to ensure optimal internal humidity;
- Industry-leading wall-plug efficiency our lasers are known for has reached over 40% ;
- The electrical cost savings add up to many tens of thousands of dollars over lifetime of a laser;
- Wide variety of fiber delivery options (50, 100, 150 or 200 μm) core diameter;
- record reliability and maintenance-free operation;
- Hot redundancy ensures 100% up time with no change in power;
- Compact Rugged Design

Laser Head

- The focus is controlled by the inner precision servo motor, no need for manual operation
- Punching time reduced by 80% compared to common cutting head. Best match for high-speed thick metal material cutting and highly reflective materials.
- Large and complete cutting technique data base.
- Supporting remote system monitoring through wireless handheld box and ethernet

- Laser cutting of, stainless steel, carbon steel, aluminum, brass, titanium, and more.
- Includes professional on-site installation and training.
- 2-Year Warranty that includes the laser cutting head.

The **Lightning 44** comes equipped with advanced software that allows for precise cuts with intricate designs, while also enabling efficient material usage, saving you money in the long run. This machine also features a water cooling system to maintain optimal performance.

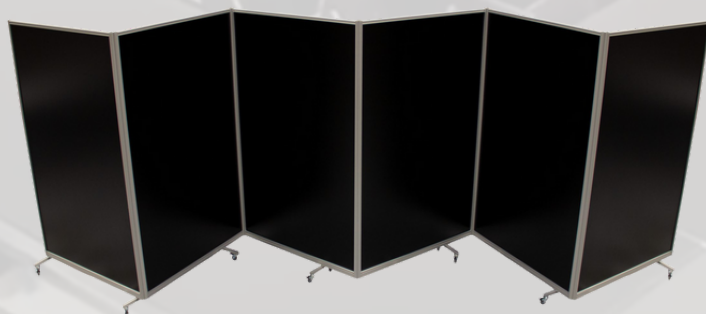# LONE ★ STAR
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Laser Options

TOPSINN

Dust Collection

- The appearance is simple and elegant, stable and elegant
- The humanized operation panel is more classic and delicate
- Built-in controller form, performance and quality are more guaranteed
- Stable operation, low noise, high efficiency
- No regular maintenance required, lower cost
- High negative pressure, large suction, higher filtration rate.

- Powerful Cooling Genuine S&A water chiller uses standard R134a refrigerant to keeps the laser cutting and engraving
- Large Capacity Water Tank. features closed design to reduce water evaporation and provide long service between fills; Precision scale shows water level; Easy to observe and know when water filling is needed.
- Precise Temperature Control S&A industrial water coolers have dual mode temperature control (automatic and intelligent), It can keep the temperature constant within 0.3°C; Constant & Intelligent temperature mode; Automatically adjust the temperature according to the indoor environment temperature; Manually set the temperature between 5-40 degree

Foldable 6-Panel System

Features

- Foldable, for ease of storage
- Light weight and wheeled, for maximum mobility
- Unique, 360° light-tight hinge technology
- Heavy-duty extruded aluminum frame
- Certified laser safety barrier panels (M5P06)