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XTOOL S1 Laser Engraver User Manual

Contents

XTOOL S1 Laser Engraver

Specifications

- **Model**: xTool S1
- **Type**: Laser cutter and engraver
- **Processing speed**: High
- **Accuracy:** High
- **Positioning:** Accurate coordinates-based positioning
- **Features**: Automatic focus, curved surface engraving

Product Usage Instructions

Safety First (Important)

Before using the xTool S1, it is crucial to prioritize safety. Familiarize yourself with all safety precautions and procedures outlined in the user manual. Follow these precautions strictly and ensure that the machine is properly assembled and functioning correctly.

General Safety

Read and understand all safety precautions before operating the machine. Follow these precautions diligently to ensure safe usage.

Laser Safety

The laser module of the xTool S1 is enclosed within a casing and light shield during operation. The machine also includes a safety interlock switch. If the lid is lifted while the machine is in operation, it will automatically stop working to prevent any harm to individuals.

Please note that the reference standards for laser safety are:

- American National Standard for Safe Use of Lasers (Z136.1-2022)
- International Electrotechnical Commission Standard (IEC 60825-1:2014)
- European Standards (EN 60825-1:2014/A11:2021)

Fire Safety

Never leave the xTool S1 unattended while it is in operation. Additionally, ensure that combustible materials are kept at a safe distance from the machine to prevent any fire hazards.

Electrical Safety

Take note of the following warnings and suggestions regarding electrical safety:

- Do not open any access panel on the machine when it is connected to the power supply. Accidental contact with the power supply may cause injury.
- Avoid touching any electronic areas of the machine with your hands or other tools when it is connected to a power supply.
- The power switch is located at the back of the machine. To power it on, press (-), and to power it off, press (o).

Warning and Instruction Signs

Tool S1 includes warning and instruction signs that indicate potential physical injuries or machine damage before and/or during operation. If any sign is damaged or lost, it should be replaced immediately. A template for printing these signs can be found in the user manual.

List of Items

The following items are included with the xTool S1:

Meet your xTool S1

Get acquainted with the xTool S1 laser cutter and engraver. Familiarize yourself with its components, features, and functionalities.

Use your xTool S1

Learn how to effectively use the xTool S1 laser cutter and engraver for various purposes.

Use xTool S1 with the Air Assist Set

Discover how to enhance your laser cutting and engraving experience by utilizing the xTool S1 with the Air Assist Set.

Use xTool S1 with the Riser Base

Learn how to optimize your laser cutting and engraving projects using the xTool S1 with the Riser Base.

Use xTool S1 with the Honeycomb Panel

Explore the benefits of using the xTool S1 with the Honeycomb Panel for specific laser cutting and engraving applications.

Use xTool S1 with the Rotary Attachment

Discover how to utilize the xTool S1 with the Rotary Attachment to achieve precise curved surface engraving.

Understand the Annular Indicator

Gain a comprehensive understanding of the Annular Indicator on the xTool S1 and its significance during operation.

After-sales Services

Learn about the available after-sales services provided by xTool for any assistance or support you may require.

FAQs

- **Q: Where can I find the latest accessories and materials for xTool S1?**
  - **A:** You can visit our online store to find our latest accessories and various materials that can maximize the potential of your xToolS1.
- **Q: How can I get technical support for my xTool S1?**
  - **A**: For technical support, you can visit our support center at support.xtool.com. You can also reach out to our technical support team via email at support@xtool.com.
- **Q: Where can I find video tutorials for xTool S1?**
  - **A**: You can find video tutorials on our YouTube channel at youtube.com/c/xToollaserbox? sub_confirmation=1.
- **Q: How can I join the xTool S1 Facebook group?**
  - **A**: To join the xTool S1 Official Group on Facebook, simply search for "xTool S1 Official Group" and request to join. This group is a platform for sharing creative ideas and getting inspired by others.
- **Q: How can I contact the xTool CEO?**
  - **A**: You can reach out to the xTool CEO through the official website at xtool.com.
- **Q: Is there any statement or additional information I should be aware of?**
  - **A**: Yes, please refer to the Statement section in the user manual for any additional information or important statements.

Dear xTooler

- Thank you for choosing xTool S1. We are so grateful for your recognition, and sincerely hope you will enjoy it! xTool S1 is an easy-to-use powerful laser cutter and engraver with high processing speed and accuracy, supporting accurate coordinates-based positioning, automatic focus, and curved surface engraving. Whether you are a novice or an expert, whether you use it at home or for business purposes,
- xTool S1 is ready to give you the best laser engraving & cutting experience.
- Our mission is to make it easier for everyone to create with our machine. We attach great importance to product experience and user suggestions. Pleaselet us know if you have any questions anytime. We are always here to help. You can join our Facebook group to share creative ideas and get inspired by others. By

visiting our online store, you can also find our latest accessories and various materials to maximize the magic of xTool S1.

Thanks again for your support, and we will consistently provide quality products and services in the future.

Sincerely,

Official website: **xtool.com**
Facebook group: xTool S1 Official Group
Support center: **support.xtool.com**
Technical support: **support@xtool.com**
Video tutorial: **youtube.com/c/xToollaserbox?sub_confirmation=1**

Safety first (important)

General safety

Read and get familiar with all safety precautions and proceduresbefore using the machine. Strictly follow all safety precautions. Ensure that the machine is properly assembled and is workingproperly

Caution

Follow the operating principles:

- Check the machine for damage every time before you use it. Do not operate it in any way when any damage or defect is found.
- Ensure that the workspace is clean and flat.
- Do not disassemble the machine or change its structure in any way without authorization. Do not modify or decompile its operating system.
- Do not leave the device unattended during operation. Pay attention to whether it is working properly.
- Keep the inside of the machine clean. Residues and chippings accumulated during cutting and engraving are dangerous and may cause a fire. Clean the chippings and residues inside the workarea regularly.
- The machine works properly at the temperature of 0°C to +35°C and can be stored properly at the temperature of −10°C to +40°C. Do not operate it at a temperature lower than 0°C.

Laser safety

Generally, the laser module is completely enclosed in the casing and light shield during operation. The device has a safety interlock switch. If the lid is lifted during operation, the device will stop working and no harm will be done to people

Documents / Resources

XTOOL S1 Laser Engraver [pdf] User Manual
S1, S1 Laser Engraver, Laser Engraver, Engraver

References

- **LightBurn Software**
- **xTool Support Center**
- **Smart Desktop Laser Cutter and Engraver | xTool Laser**
- **Software: xTool Creative Space (XCS)**
- **User Manual**