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› AlgoLaser 3W Portable Smart Laser Engraver User Manual

## AlgoLaser 3W

# AlgoLaser 3W Portable Smart Laser Engraver User Manual

Model: 3W | Brand: AlgoLaser

## 1. INTRODUCTION

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The AlgoLaser 3W Portable Smart Laser Engraver is a high-precision tool designed for DIY enthusiasts, hobbyists, and small business owners. This engraver provides the precision and power required for professional results, enabling the creation of personalized gifts, home decorations, or custom products. Featuring a 3.5-inch touch screen and the AlgoOS 2.0 system, it offers a user-friendly experience without requiring additional software purchases or a computer for basic operations.

## 2. SAFETY INFORMATION

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**WARNING: Laser radiation can cause eye damage and skin burns. Always wear appropriate laser safety goggles during operation. Never look directly into the laser beam.**

- **Class 1 Laser Safety:** The AlgoLaser 3W is designed with Class 1 safety features, including a fully enclosed design and an auto-stop lid that pauses the laser immediately if opened.
- **Safety Goggles:** Always wear the provided safety goggles when operating the engraver, especially when the safety shield is open or during maintenance.
- **Emergency Stop:** The device includes an emergency stop function for immediate shutdown in critical situations.
- **Overvoltage Protection:** Built-in protection against electrical overvoltage.
- **Ventilation:** Operate the engraver in a well-ventilated area. Engraving and cutting materials can produce smoke and odors. Consider opening windows or using an external ventilation system.
- **Workspace:** Keep the workspace clear of flammable materials. Ensure children and pets are kept away from the operating area.

- **Safety Door:** Ensure the safety door is properly closed and registered before starting any engraving task. Do not attempt to override safety interlocks.
- **Vibration Detection:** The device features tilt and vibration detection with adjustable sensitivity to prevent accidental operation or damage.

### 3. PACKAGE CONTENTS

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Please verify that all components are present in the package. The AlgoLaser 3W Laser Engraver typically includes:

- AlgoLaser 3W Laser Engraver Unit
- Power Adapter
- USB Type-C Cable
- Safety Goggles
- Sample Materials (may vary)
- User Manual (this document)

### 4. SETUP

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The AlgoLaser 3W is designed for ease of use with a