xTool P5010239

xTool P2 Riser Base Instruction Manual

Model: P5010239

PRODUCT OVERVIEW

The xTool P2 Riser Base is an essential accessory designed to significantly expand the capabilities of your xTool P2 CO_2 laser cutter. It increases the maximum workpiece height, allowing for engraving on thicker materials and seamless integration with other xTool accessories like the Automatic Conveyor Feeder and RA2 Pro rotary attachment. This manual provides detailed instructions for assembly, operation, and maintenance to ensure optimal performance and safety.

Image: The xTool P2 Riser Base, a standalone unit.

KEY FEATURES

- **Significant Engraving Thickness Upgrade:** Enables engraving on ultra-thick materials up to 8.4 inches (215mm), such as trunks and briefcases, and supports batch processing of multiple thick items.

Image: The xTool P2 Riser Base increases the maximum working height to 8.4 inches, accommodating large items like a trunk.

- **Best Partner for Automatic Conveyor Feeder:** Perfectly matches with the Automatic Conveyor Feeder (sold separately) for automatic passthrough, ensuring precision and convenience when processing extra-large materials.
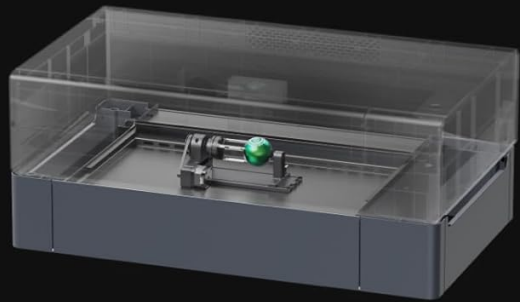
Image: The Riser Base integrates seamlessly with the Automatic Conveyor Feeder for processing long materials.

- **Adaptable to RA2 Pro for Cylindrical Objects:** The 9-layer design accommodates various processing needs, allowing the RA2 Pro (sold separately) to be assembled for engraving cylindrical items like wine glasses, tumblers, baseball bats, and mugs.

Adaptable to Different Accessories

With Automatic Conveyor Feeder

With Rotary Accessory

Image: The Riser Base supports various accessories, including the Rotary Accessory (RA2 Pro).

- **Safe & Tailor-made:** Easy to install and custom-designed, the riser base ensures that engraving and cutting processes for higher objects are performed within a completely enclosed space, preventing light and smoke leakage.
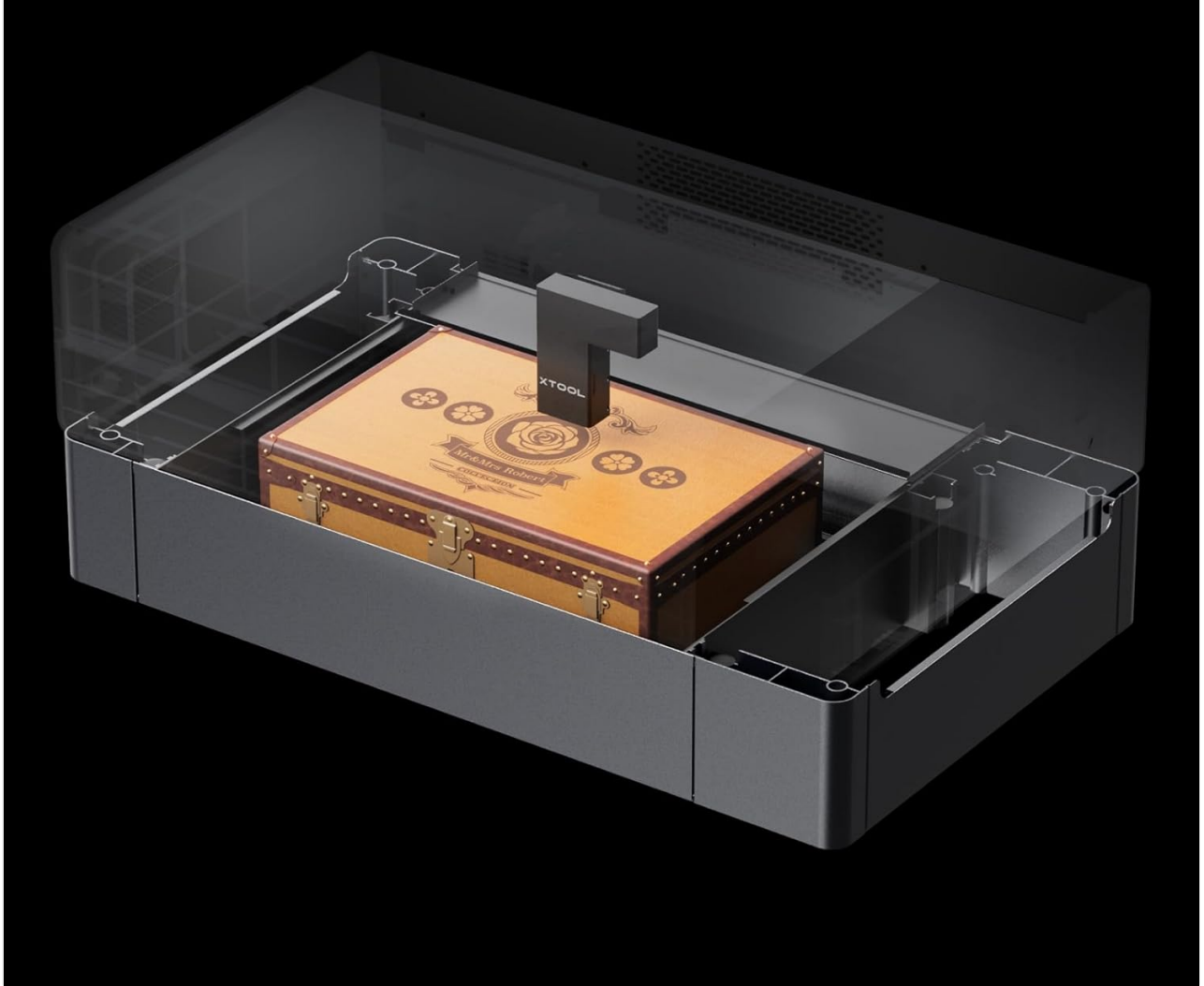
Image: The enclosed design of the Riser Base prevents light and smoke leakage during operation.

- **Right Side Space for Storage:** Convenient storage space on the right side of the riser base allows you to keep removed screws, slats, and even the RA2 Pro for instant access.

Image: The Riser Base includes a convenient side storage space for accessories.

Setup and Assembly

Follow these steps to assemble your xTool P2 Riser Base. Ensure you have all components as listed in the user manual included in the box.

Unboxing and Component Identification

Carefully open the packaging using a box opener. Remove all items from the box. Be mindful that some parts may have sharp edges; handle them with care.

Video: Unboxing and identifying components of the xTool P2 Riser Base. (Source: xToolDirect)

Assembly Steps

1. **Assemble the Left Structure:**

   - Obtain the left side panel (with two holes on each side) and the left corners (smaller ones).
   - Fit the left corners and the left side panel together using four M4*8 screws (two on each side).
   - Fit the support corner and left guide rail panel together using two screws (concave surface facing upwards).

- Fit the left guide rail panel together with the left corners using six M4*8 screws.

2. **Install the Right Structure:**

   - Obtain the right side panel (with a pin on each side) and the right corners (with magnetic locks).
   - Insert the pins of the right side panel into the holes in the right corners.
   - Place the fixing plate between the two right corners and secure it using M3*6 screws (two on each side).
   - Fit the support corner and right guide rail panel together (similar to the left structure).
   - Fit the right guide rail panel together with the right corners using screws.

3. **Install the Door Panels:**

   - Observe the two door panels: the front door panel is slightly wider than the rear one.
   - Insert the pins on the door panels into the holes in the left and right corners.
   - Place the fixing plates between the left and right structures and use screws to fit them together.
   - Close the door panels.

4. **Fit the Rear Cover Panel:**

   - Fit the rear cover panel on the guide rail panels with the raised edges facing upwards.

Placing xTool P2 on the Riser Base

The xTool P2 is not included with the Riser Base. At least two people are needed to lift the xTool P2. Do not hold the machine on the corners when lifting it. The riser base is designed with positions on the left and right sides for placing your hands. To place xTool P2, hold it on the sides instead of at the corners, so that your hands don't get hurt.
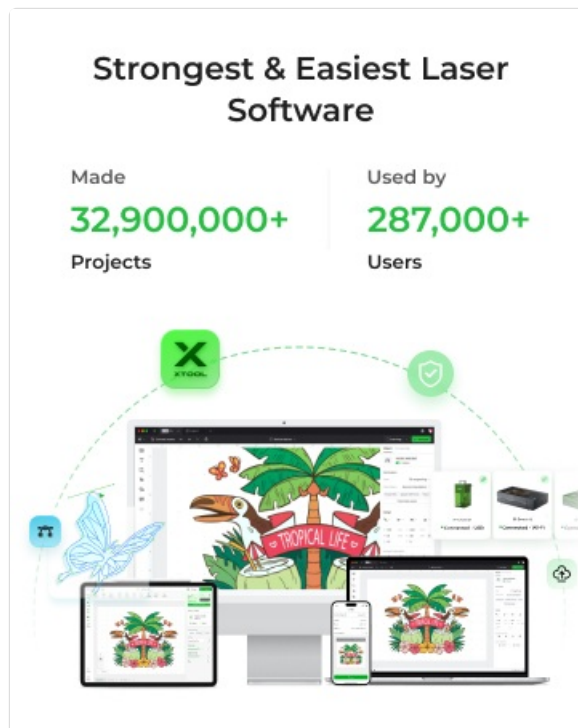

Image: Proper hand placement for lifting and placing the xTool P2 onto the Riser Base.

OPERATING INSTRUCTIONS

The xTool P2 Riser Base allows for processing various material types and sizes. Always ensure the correct baseplate level is set for your material.

1. Processing Long Materials (Passthrough)

For long materials, use the passthrough feature. Measure the material thickness using the provided tape measure or a ruler. Determine the baseplate placement level based on the thickness table. Remove all slats before processing and store them in the side compartment. Place the baseplate upside down at the corresponding level.

Image: Measuring material thickness for passthrough processing.

Video: Demonstrating how to measure material thickness, remove slats, and place the baseplate for long material processing. (Source: xToolDirect)

2. Processing Thick Materials

For thick materials, measure the material thickness using the tape measure or a ruler. Determine the baseplate placement level based on the thickness table. Place the baseplate right side up at the corresponding level. Open the door panels, place your material, and close the panels before processing.

Image: Examples of projects possible with the Riser Base, including engraving on thick materials.

Video: Demonstrating how to measure material thickness and place the baseplate for thick material processing. (Source: xToolDirect)

3. Processing Cylindrical Materials (with RA2 Pro)

For cylindrical materials, measure the diameter using the tape measure or a ruler. Determine the roller and baseplate placement level based on the RA2-Roller level and Riser base level scales. Place the baseplate at the correct level and set the adjustable roller to the appropriate level. Place the rotary attachment in the center of the working area and place the support module. Use the mini level to observe and adjust the height of the support module until the bubble stays in the middle. Insert the connection cable into the extension port of xTool P2 and tighten the connector before starting processing.

Video: Demonstrating how to measure diameter, adjust baseplate and roller levels, set up the rotary attachment, and begin processing cylindrical materials. (Source: xToolDirect)

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your xTool P2 Riser Base.

- **Cleaning:** Regularly clean the baseplate and internal surfaces of the riser base to prevent residue buildup from

engraving and cutting. Use a soft cloth and appropriate cleaning solutions.

- **Check Connections:** Periodically inspect all connections, especially those for rotary attachments, to ensure they are secure and free from damage.

- **Slats Management:** Always remove slats when processing materials that require the baseplate to be lowered. Store them properly in the designated side compartment to prevent damage.

TROUBLESHOOTING

If you encounter issues with your xTool P2 Riser Base, refer to the following common problems and solutions.

- **Smoke/Fumes Leaking:** Ensure all door panels are properly closed and seated. Verify that the xTool P2 is correctly positioned on the riser base, creating a sealed environment. Check for any obstructions preventing full closure.

- **Material Not Level:** Use a mini-level to ensure the material is perfectly level on the baseplate or rotary attachment. Adjust the baseplate height or material supports as needed.

- **Incorrect Engraving Depth/Focus:** Double-check that the material thickness/diameter is accurately measured and the baseplate/roller level is set according to the provided tables.

PRODUCT SPECIFICATIONS

Specification	Detail
Package Dimensions	32.25 x 13.5 x 10.25 inches
Item Model Number	P5010239
Item Weight	26.1 pounds
Manufacturer	xTool
Country of Origin	China
Date First Available	August 10, 2023

WARRANTY AND SUPPORT

xTool products typically come with a manufacturer's warranty. For specific warranty details and duration, please refer to the warranty card included with your product or visit the official xTool website.

Customer Support

xTool offers multi-channel service and a dedicated technical support team to assist with any inquiries or issues. You can reach out via email, live chat, phone call, or through their official Facebook group.
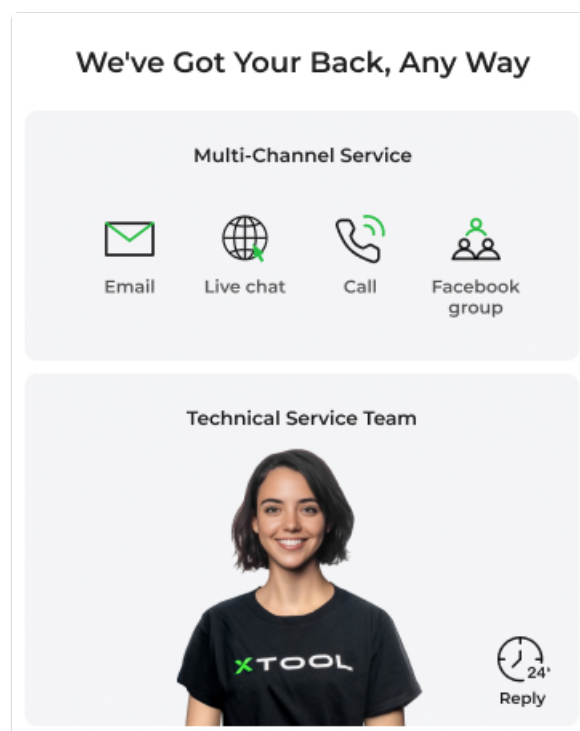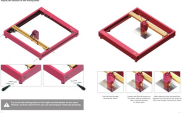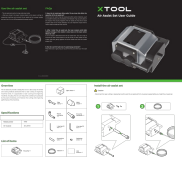
Image: xTool's multi-channel customer service and technical support team.

Related Documents - P5010239

	xTool D1 Pro Setup and Operation Guide Comprehensive guide to setting up, operating, and maintaining the xTool D1 Pro laser engraver and cutter, including software installation and accessory usage.
	xTool P2 FAQs: Your Guide to the Smart Desktop Laser Cutter Frequently Asked Questions about the xTool P2 laser cutter and engraver, covering compatibility, operation, features, materials, and maintenance.
	XTOOL Air Assist Set User Guide: Installation and Operation Comprehensive user guide for the XTOOL Air Assist Set, detailing installation, specifications, and FAQs for enhanced laser cutting and engraving performance with machines like the XTOOL D1.
	xTool P2 Laser Cutter Quick Start Guide A quick start guide for the xTool P2 laser cutter, covering unboxing, setup, component identification, and initial use instructions.

[Guide to Operating xTool F1 with xTool Creative Space (XCS)](#)
Learn how to use xTool Creative Space (XCS) software to operate the xTool F1 dual laser engraver. This guide covers installation, connection, material setup, design, parameter settings, preview, and processing.

[xTool M2 User Manual: Setup, Operation, and Safety Guide](#)
Comprehensive guide for the xTool M2 laser cutter and engraver, covering setup, operation, safety precautions, maintenance, and troubleshooting. Includes detailed instructions and specifications.