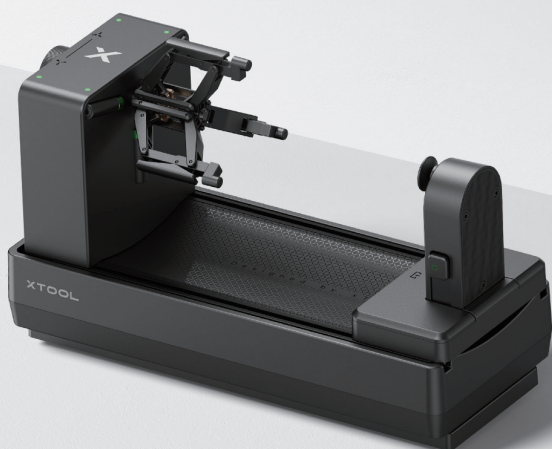




xTool OR1 Rotary Attachment for Omni Printer



Quick Start Guide

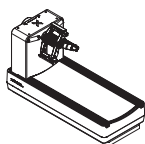
List of items ----- 01

Meet xTool OR1 Rotary Attachment for Omni Printer ----- 01

**Printable workpiece types, specifications, and
pretreatment requirements ----- 02**

Use xTool OR1 Rotary Attachment for Omni Printer ----- 04

List of items



Rotary attachment
main unit



Tail module



Cleaning wipe



Primer wipe



Tweezers



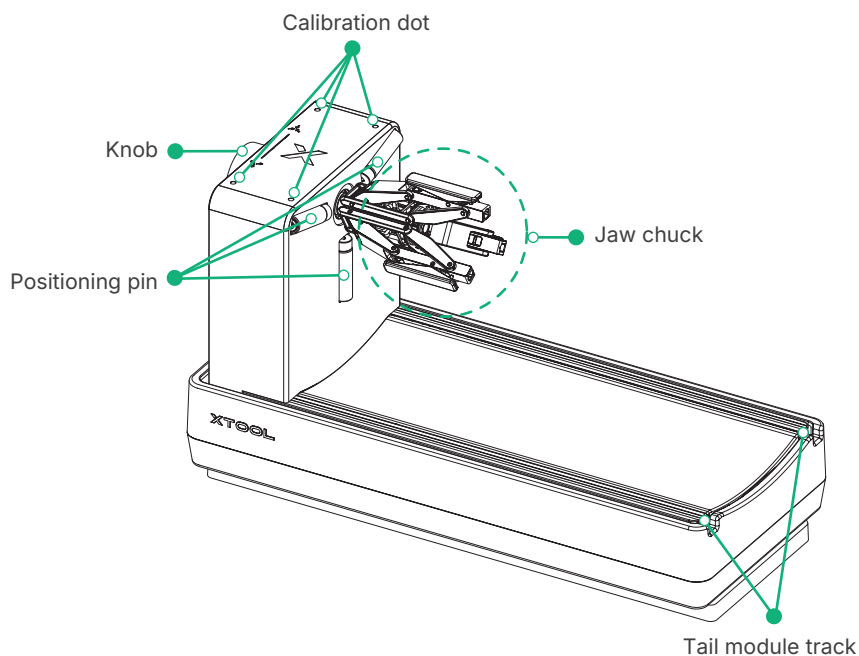
Quick start guide



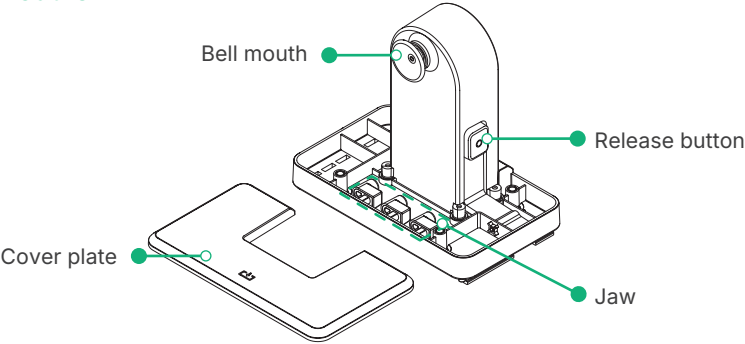
Safety instructions

Meet xTool OR1 Rotary Attachment for Omni Printer

Rotary attachment main unit



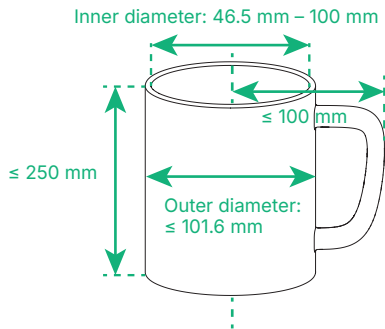
Tail module



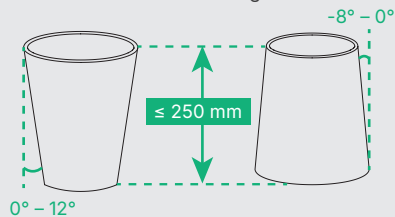
Printable workpiece types, specifications, and pretreatment requirements

Printable workpiece types and specifications

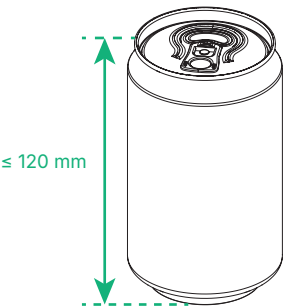
1 Open rotary containers



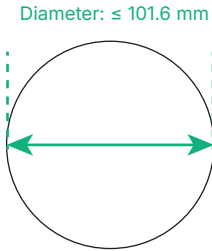
Truncated cone containers: Taper range is -8° to 12° , and the inner and outer diameter range is consistent with that of a mug.



2 Beverage cans



3 Spherical objects



For detailed information on the range of workpieces compatible with the rotary attachment, scan the QR code or visit the link.



support.xtool.com/article/3188

Workpiece pretreatment

1 Inspect and remove any oil or grease from the workpiece surface.

- **Inner surface:** Remove any oil or grease with a cleaning agent, then dry thoroughly.
- **Outer surface:** Wipe off any oil or grease with the included cleaning wipe.

2 Apply primer to glass, ceramic, and stainless steel workpieces.



For glass, ceramic, and stainless steel workpieces, wipe the print area with the appropriate primer wipe as instructed. Otherwise, the printed image may lose adhesion over time and wrinkle, lift, or peel off.

■ Glass and ceramic workpieces

After the workpiece surface has air-dried, wipe the print area with the included primer wipe.

■ Stainless steel workpieces

After the workpiece surface has air-dried, wipe the print area with the UV Printing Primer Wipe for Metals. It is available for purchase on xTool's official website.

Use xTool OR1 Rotary Attachment for Omni Printer

Install the main unit of the rotary attachment

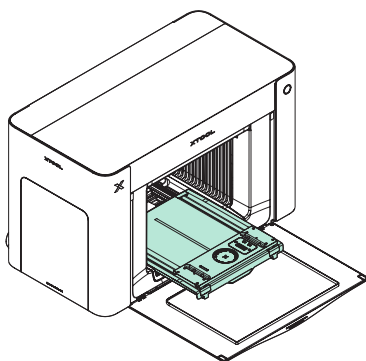
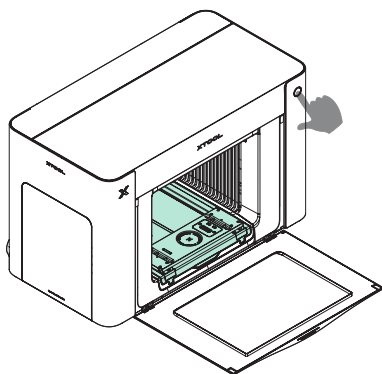
- 1 Ensure that xTool O1 Omni Printer is powered on. Press the Start/Stop button, and the extension base will automatically eject.



xTool O1 Omni Printer



If a baseplate is installed on the extension base, remove the baseplate first.



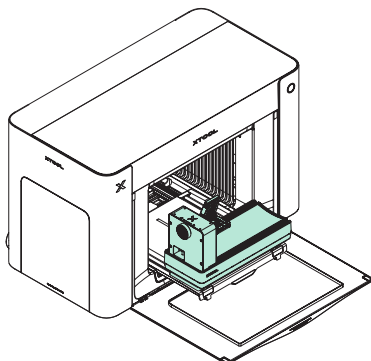
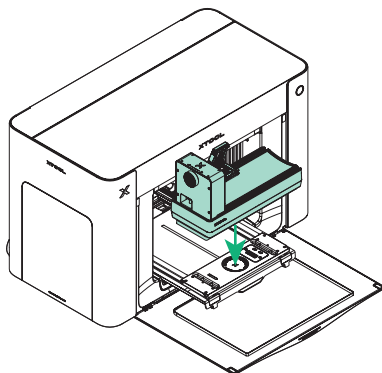
- 2 Install the main unit of the rotary attachment.



Rotary attachment main unit



Ensure that the main unit of the rotary attachment is securely installed on the extension base using magnetic attachment.

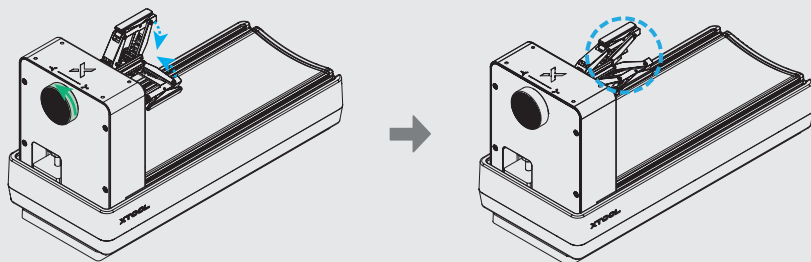


Axis calibration (first use)

When using the rotary attachment for the first time, perform axis calibration using the four calibration dots on the rotary attachment. Before starting the calibration, ensure that the calibration dots are clean and unobstructed. Follow the instructions in the xTool software to complete the axis calibration.



Before starting axis calibration, ensure that no workpiece is installed. Turn the knob counterclockwise to reduce the jaw chuck opening to its minimum.



Install the workpiece—mug

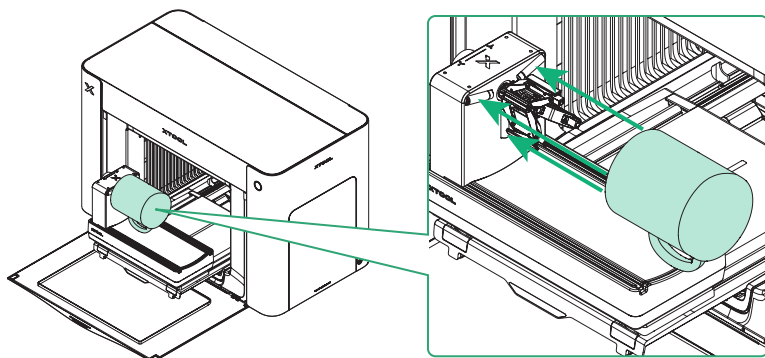
- 1 Fit the mug rim over the outside of the jaw chuck.



Mug

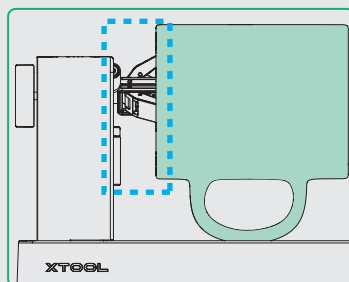
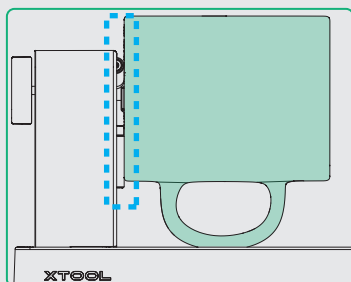


Do not use the jaw chuck to grip the mug for printing, as the mug may fall or the print may come out blurred.

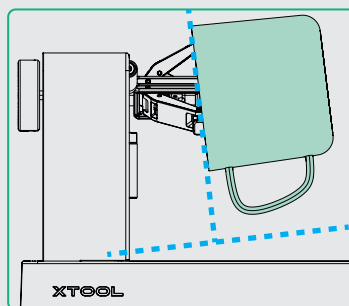
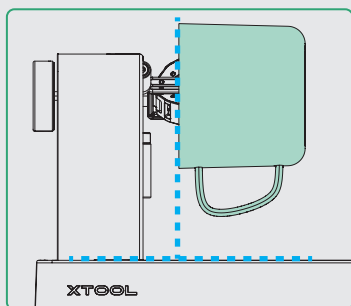




For optimal printing results, ensure that the rim is closely aligned with the positioning pins and the handle faces downward.

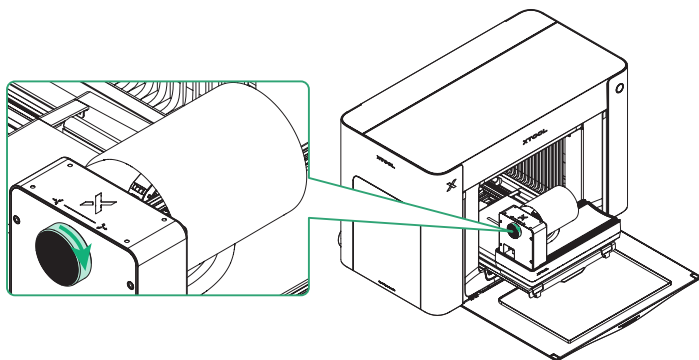


If the mug is too short to align closely with the positioning pins, adjust the rim so that it is perpendicular to the horizontal plane.



2 Secure the mug.

Turn the knob clockwise to gradually open the jaw chuck until the knob cannot be turned any further and the jaw chuck no longer rotates inside the mug.



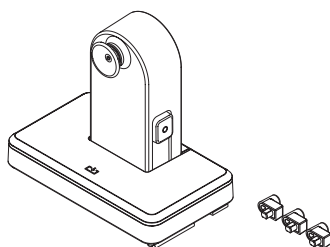
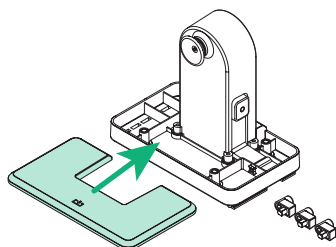
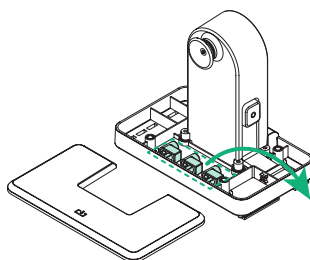
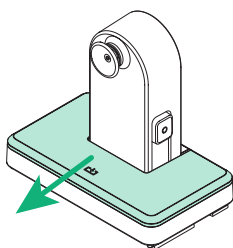
If the mug cannot be securely clamped even after you continue turning the knob, and the jaw chuck rotates inside the mug, the inner wall of the mug cannot make sufficient contact with the jaw chuck and the mug cannot be held securely. Do not use this type of mug for printing. Otherwise, the mug may slip or shift during rotary printing, causing the printed image to become misaligned.

Install the workpiece—beverage can

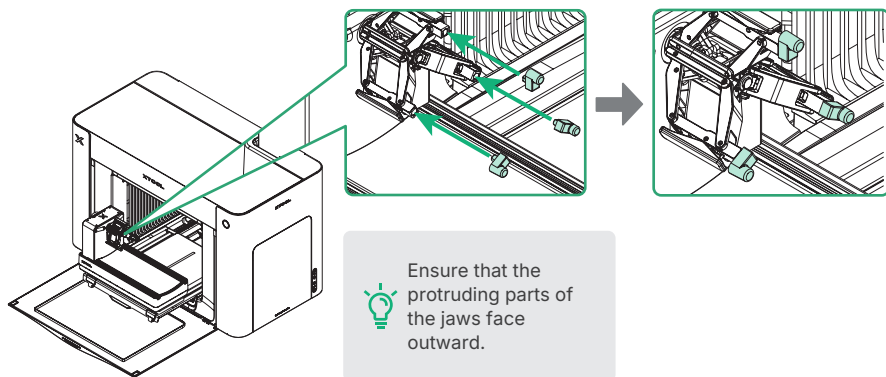
- 1 Open the cover plate on the tail module, remove the three jaws, and then restore the cover plate to its original position.



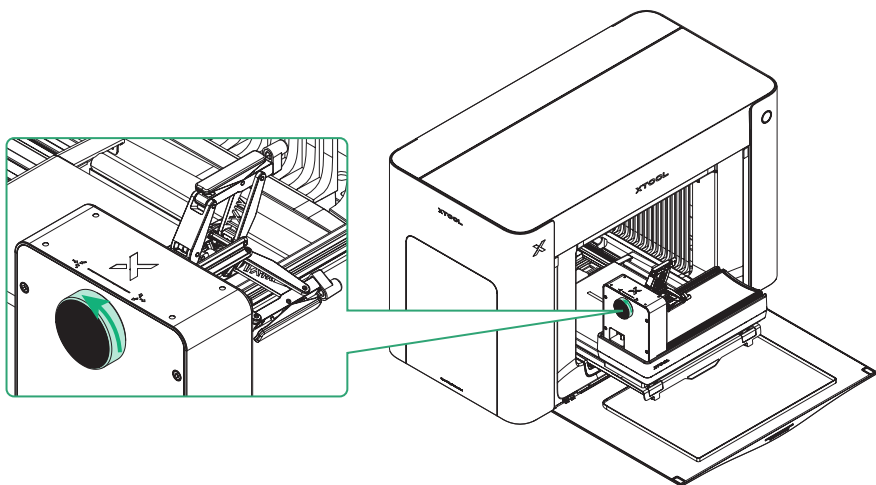
Tail module



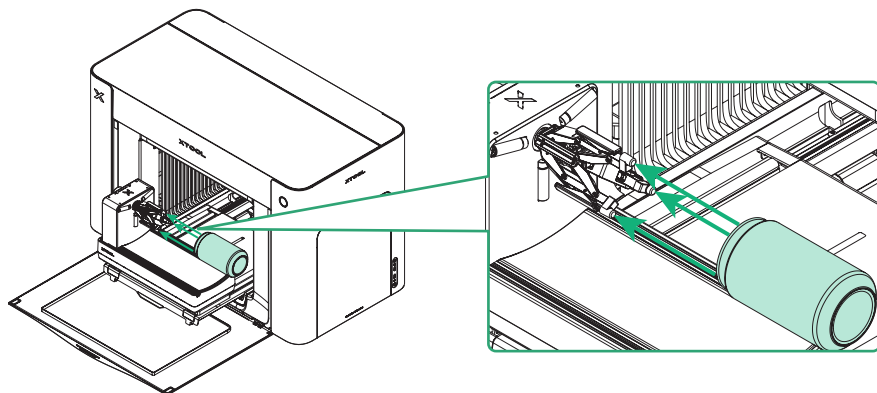
2 Install the jaws onto the jaw chuck.



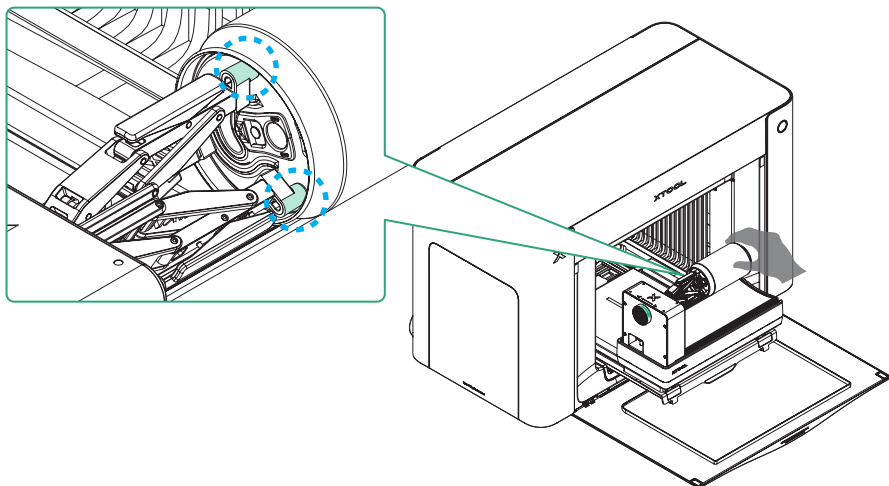
3 Turn the knob counterclockwise to appropriately reduce the opening angle of the jaw chuck.



- 4** Place the beverage can closely against the jaws.

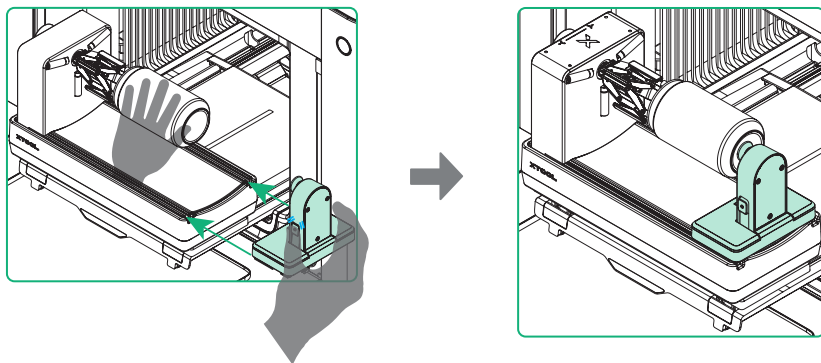


- 5** Turn the knob clockwise to adjust the position of the jaws, ensuring that the edges of the jaws fit closely against the edge of the top surface of the beverage can.

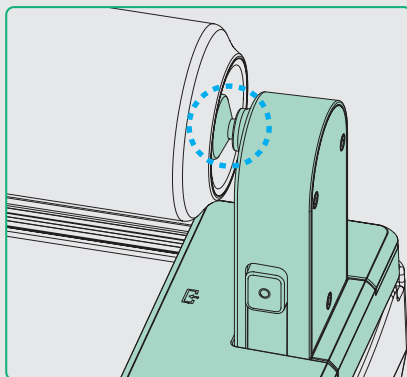
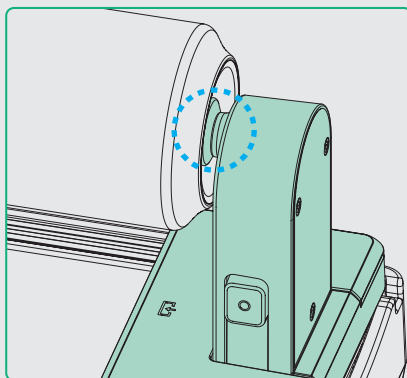


6 Install the tail module.

Press and hold the release button on the tail module. Slide the tail module along its track until the bell mouth rests against the center of the can bottom. Release the button to lock the tail module in place.



The neck of the bell mouth should be recessed after installation.

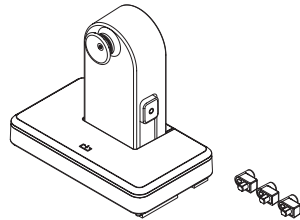
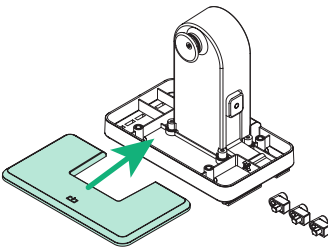
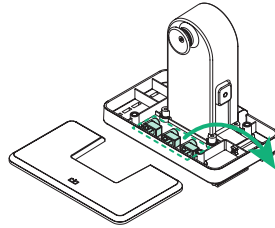
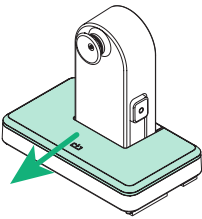


Install the workpiece—spherical object

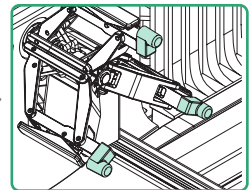
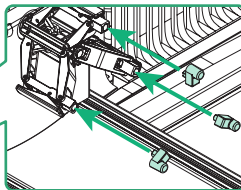
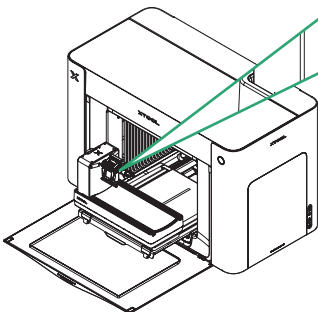
- 1 Open the cover plate on the tail module, remove the three jaws, and then restore the cover plate to its original position.



Tail module

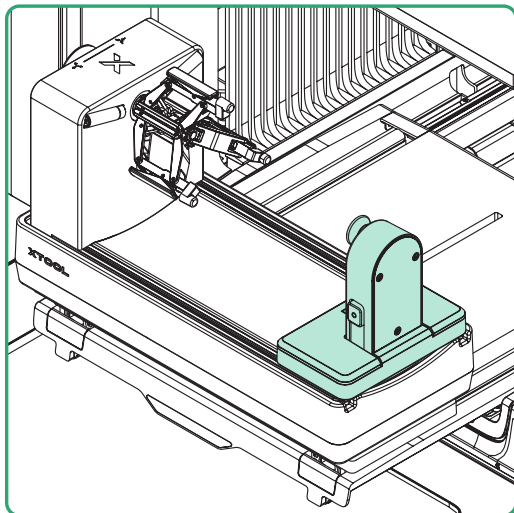
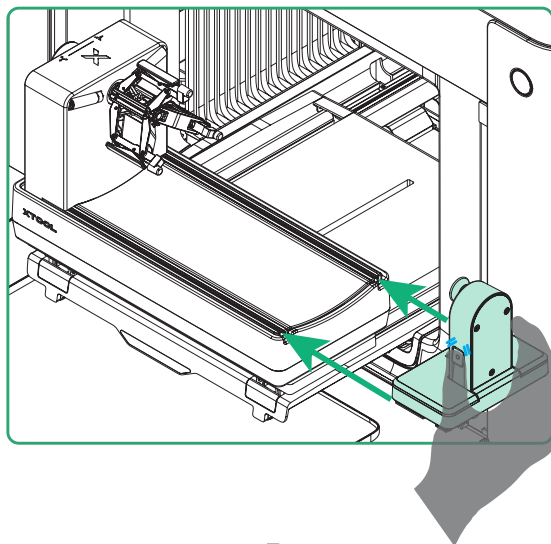


- 2 Install the jaws onto the jaw chuck.



Ensure that the protruding parts of the jaws face outward.

- 3** Press and hold the release button on the tail module. Slide the tail module along its track.

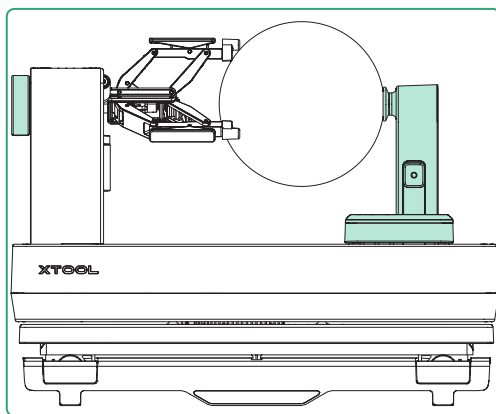
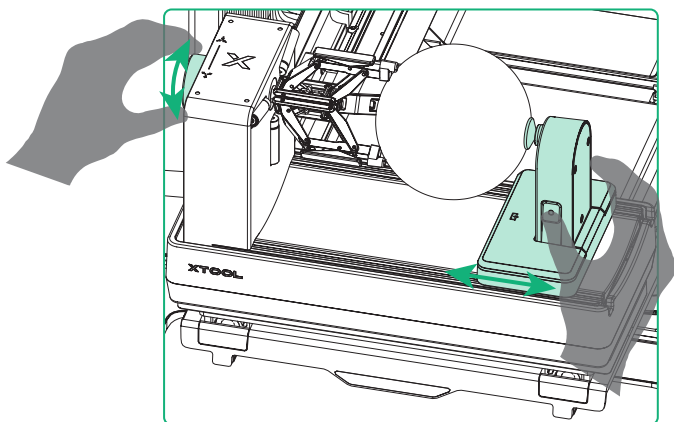


Release the button, and the tail module will automatically lock in its current position.

- 4** Place the spherical object between the jaws and the tail module. Press and hold the release button to slide the tail module, and turn the knob to adjust the jaw opening until the spherical object is securely clamped. Refer to the illustrations below to verify that the spherical object is clamped correctly.

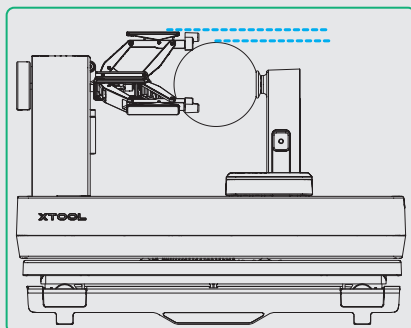
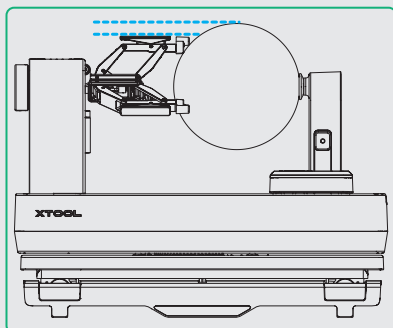


Spherical object

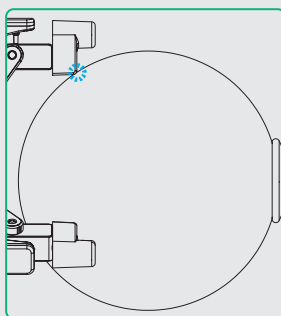
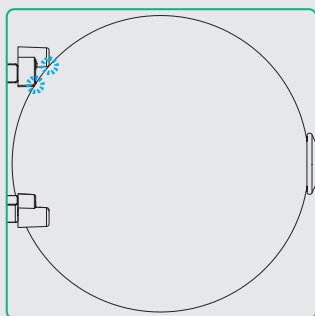




Ensure that the top of the jaw chuck is lower than that of the spherical object. Otherwise, the image cannot be printed on the spherical object.

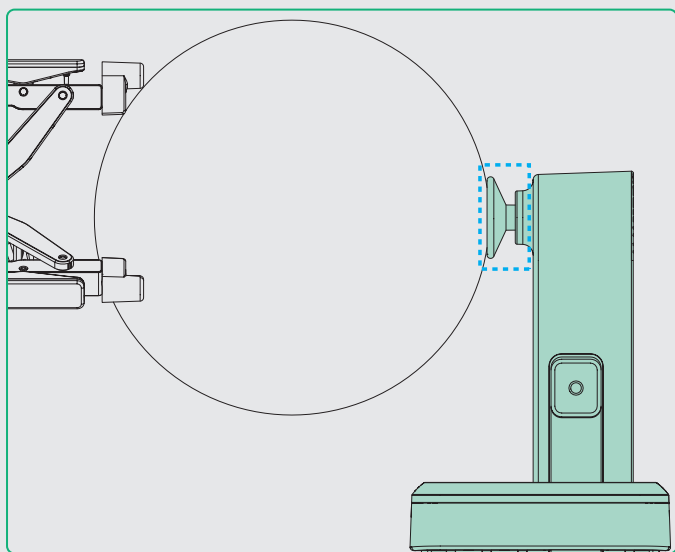
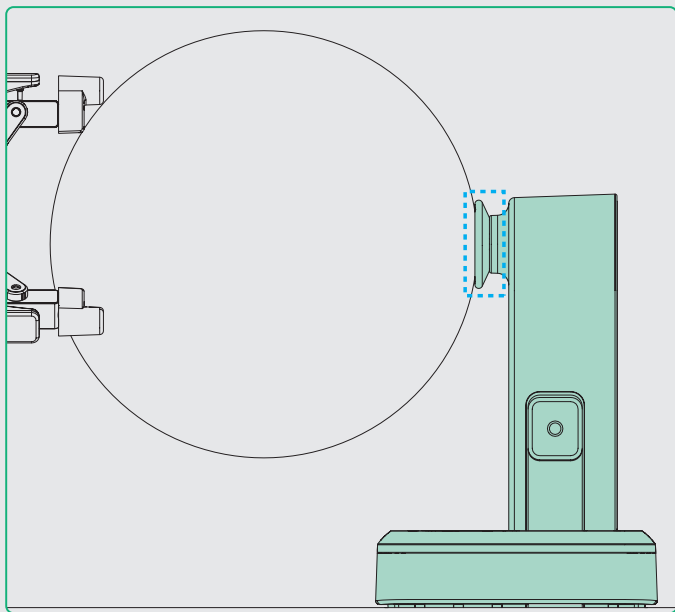


Ensure that each jaw contacts the spherical object at two points, as shown in the illustration below.



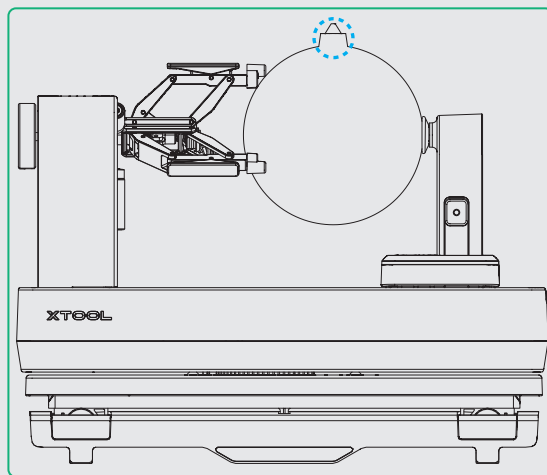
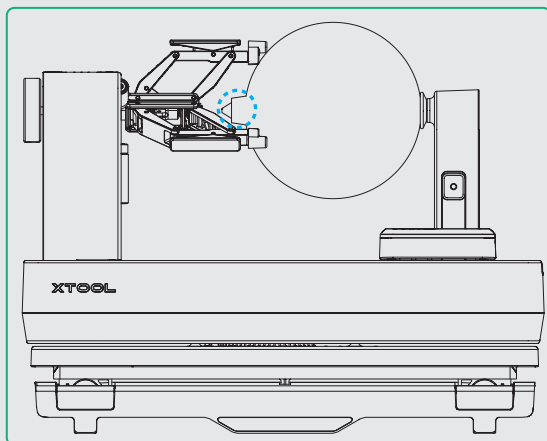


The neck of the bell mouth should be recessed after installation.





For Christmas ornaments or other spherical objects with protrusions, position the protrusions toward the jaw chuck so that they remain outside the print area.

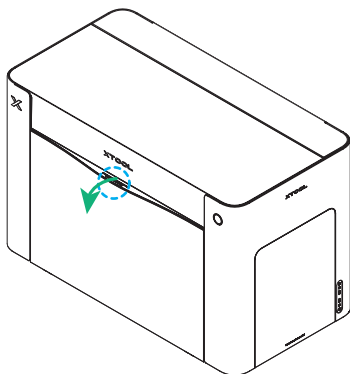


Print on the workpiece

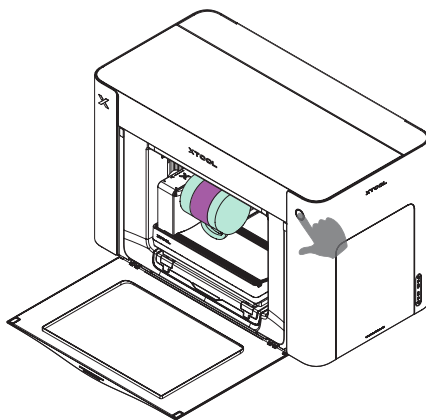
Follow the prompts in the xTool software to complete printing.

Get finished print

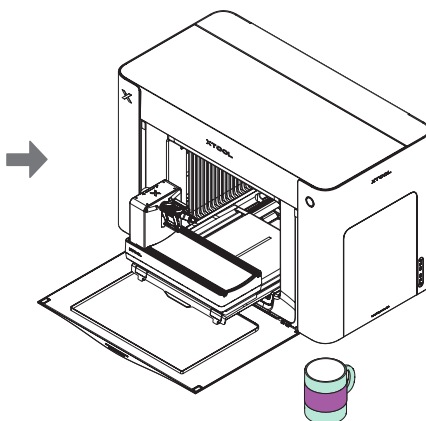
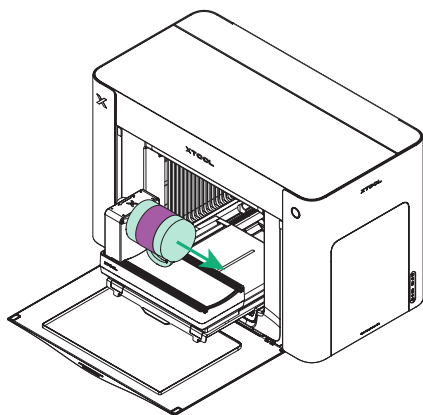
- 1 After processing is complete, open the front cover.



- 2 Press the Start/Stop button, and the extension base will automatically eject.



- 3 Remove the workpiece. If the rotary attachment is no longer needed, simply lift it to remove.



Do not clean printed workpieces in a dishwasher. Wash them by hand only.

XTOOL