



**User Manual of HTVRONT B1
Manual Button Maker**

Thank you for choosing HTVRONT!

Before first use, please read all accompanying materials carefully to ensure proper and effective operation. HTVRONT is not responsible for any loss resulting from failure to follow the instructions or from misuse due to misunderstanding.

While we strive for accuracy and clarity, this Manual may still contain errors or omissions. We are continuously improving our products and services, and reserve the right to update the product, software, and Manual content without prior notice.

For the latest information and updates, please visit our official website: www.htvront.com

Included in the Box



- ▶ HTVRONT B1 Manual Button Maker × 1
- ▶ 58 mm Upper Die x 1
- ▶ 58 mm Lower Die (A Base & B Base) × 1
- ▶ Positioning Pins x 3



- ▶ 58 mm Spacer Rings x 2
- ▶ Tinplate Button Shells x 100
- ▶ Tinplate Button Backs (with Pin) x 100
- ▶ Clear Protective Films x 100



- ▶ 58 mm Pre-Cut Circular Inserts x 100
- ▶ Tool Kit (Large & Small Hex Keys) x 1
- ▶ Adjustable Circle Cutter x 1
- ▶ A4 Cutting Mat x 1



- ▶ Quick Start Guide & User Manual ×1

Machine Overview

Button Maker Main Unit



- 1. Handle
- 2. Support Arm
- 3. Upper Die
- 4. Lower Die

Button Maker Dies



- 1. Upper Die Holder
- 2. Front-side A Base
- 3. Back-side B Base
- 4. Slide Rail



Adjustable Circle Cutter



- 1. Centering Shaft
- 2. Adjustment Screw
- 3. Blade
- 4. Handle

Installation Guide

Machine Installation Guide

1 Install the Upper Die

Align the upper die holder with the small holes on the machine's main unit, then lift it into place. The magnet will automatically secure it.

Note: The side marked 58 mm is the front side. Do not install it backwards.



2 Install the Lower Die

Align the three holes on the upper die and lift the upper die. Position the lower die slide rail into the guide rail slot, then slide it from right to left to the center position. Release and lower the upper die.

Note: The side marked A/B is the front side. Do not install it backwards.



3 Install the Positioning Pins

Insert the positioning pins into the pin holes on the side of the slide rail to ensure the lower die can correctly switch between Base A and Base B and lock into position. Installation is now complete.

Button Back Pin Installation Guide

Note: The button backs are normally pre-installed with pins. However, in rare cases, some pins may become detached during transportation. If this occurs, please follow the steps below to reinstall them.



Step 1: Identify the correct orientation of the button back. The ribbed side should face upward, and the smooth side should face downward.



Step 2: Open the pin and insert it through one hole, then guide the hook through the other.



Step 3: Flip the button back over and secure the pin in place. The installation is now complete.

Usage Notes

1. The recommended paper weight for button making is 127–159 g/m². The diameter of the circular white paper blanks must match the diameter of the clear protective film (58 mm).
2. Use only one piece of clear protective film at a time.
3. Rotate the adjustment screw to adjust the cutting diameter. Do not fully loosen the screw to prevent the blade from detaching.
4. Do not touch the circle cutter blade directly to avoid injury.
5. Rotate clockwise when using the circle cutter, as the blade cuts in one direction only.
6. Keep your fingers away from the dies when pressing to avoid injury.
7. When using a cutting machine to cut patterns, a light grip cutting mat must be used (an aged cutting mat is also acceptable) to prevent material tearing.

Instructions for Use

• Step 1: Prepare Your Button Designs

Method 1: Ready-to-Use Blanks

Use the included 58 mm circular white paper blanks from the package. Kids and craft lovers can freely hand-draw their own designs and use them once the ink is fully dry.

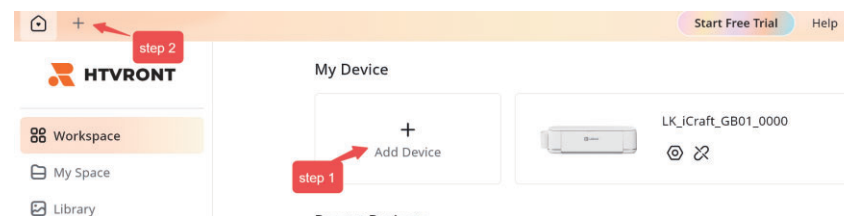
Note: Ensure the circular white paper blanks remain flat and free of wrinkles for best results.

Method 2: Batch Cutting with the C2 Cutting Machine

If you have a compatible printer connected to your computer and the C2 Cutting Machine, you can use IdeaStudio for batch cutting.

1. Connect the Cutting Machine

Connect the C2 cutting machine [Add Device], then create a new canvas file.



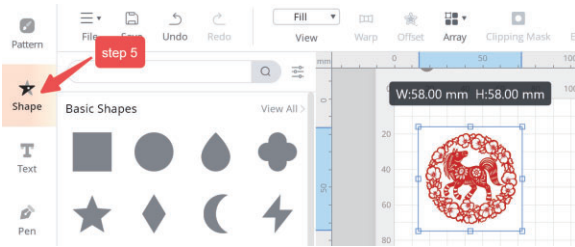
2. Import Designs

Upload your design using [Upload], or select a design from [Library] and add it to the canvas. Adjust the design size as needed.

Note: Recommended finished design diameter: 58 mm



3. Create a Clipping Mask

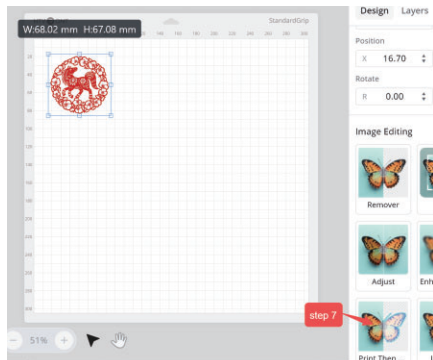
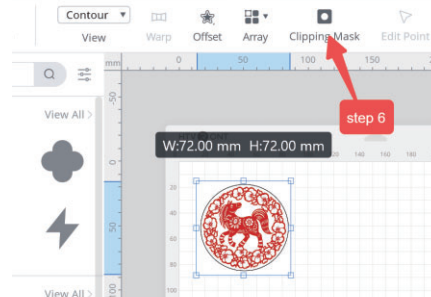


3.1

Insert a shape using [Shape] (a circle is recommended for this button maker), and set it to [Contour].

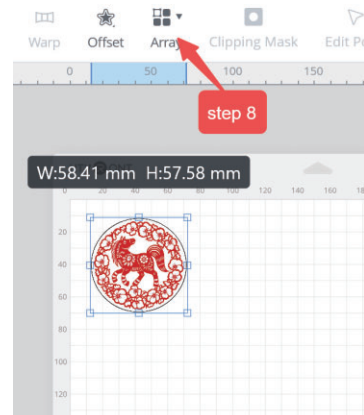
3.2

Click to select both the design and the inserted shape, then apply [Clipping Mask]. Recommended diameter: 58 mm.



3.3

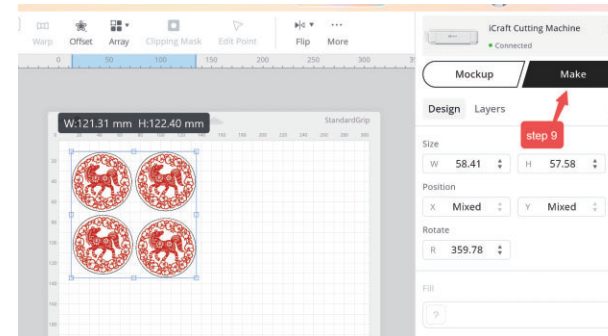
Select the masked design, choose [Print Then Cut], apply the mask, and confirm the cut outline.



4. Duplicate Designs for Batch Cutting

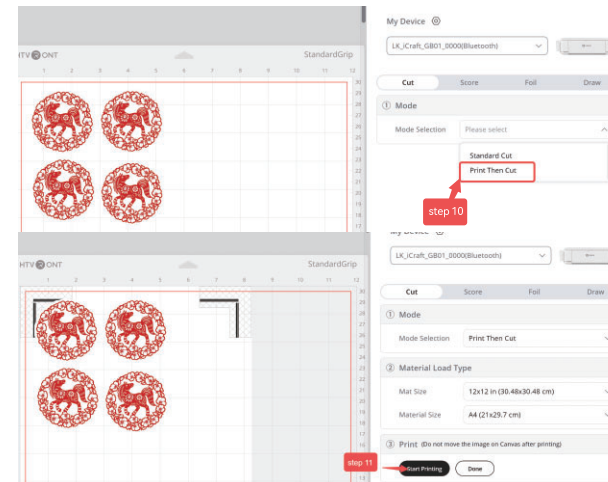
Use [Array] to duplicate designs. Adjust [Columns], [Rows], and [Spacing] as needed.

5. Set Up Print and Cut



5.1

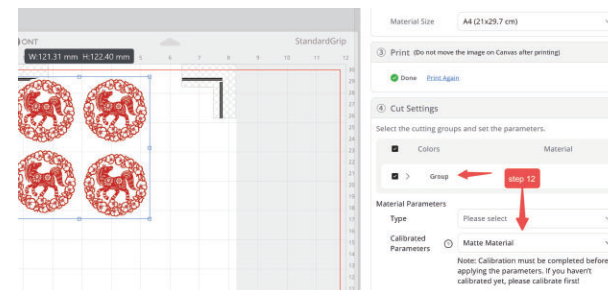
Select all designs and click [Make].



5.2

Choose [Print Then Cut]. Print the designs through your connected printer.

Note: The recommended paper weight for button making is 127–159 g/m². Do not use overly thick materials.



5.3

After printing, place the sheet on the cutting mat and load it into the cutting machine. Enable [Group], select the material used for printing, then [Add to Task].

Note: Use a light grip cutting mat (an aged mat is also acceptable) to avoid tearing the material.

6. Start Batch Cutting

After contour detection is complete, begin cutting your designs.



Method 3: Manual Cutting

1. Print the Design

Print your desired button design on A4 paper or other suitable paper stock (paper weight: 127–159 g/m²). For full-cover designs, the recommended diameter is 58 mm.

Reference for full-cover design:



3. Cut the Design

Place the centering shaft over the printed design. Pull the circle cutter handle clockwise to drive the blade and cut out the design.



2. Adjust the Circle Cutter

Turn the adjustment screw counterclockwise to loosen it (don't fully loosen), move the blade to the edge of the centering shaft, then tighten the screw clockwise.



• Step 2: Load Materials

Place the materials into lower die A Base in the following order: Tinplate Button Shell (raised side facing down) → Design Paper → Clear Protective Film. Then slide the A Base into position to align with the upper die.

Note 1: Place all materials flat and evenly in the die, with no wrinkles or overlap.

Note 2: Center and align the design with the die to prevent shifting, exposed edges, or off-center results after pressing.



• Step 3: First Press

Hold the support arm with one hand to keep the machine steady. Press the handle down with the other hand until it reaches the bottom.

Note: Do not place your fingers near the dies during operation to avoid pinching injuries.

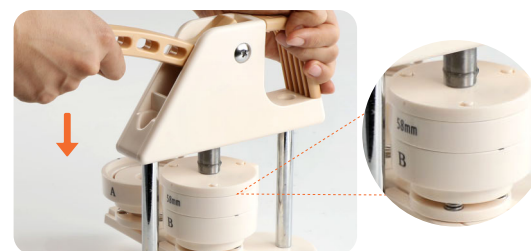


• Step 4: Load Button Back

Place the plastic spacer into the lower die B Base first, then insert the button back. (If using a plastic button back, the plastic spacer is not required.)

Note 1: The ribbed side should face upward.

Note 2: Make sure the button back is aligned with the design orientation. The side where the pin is closest to the edge of the button back is the top. Keep the pin flat at all times — do not let it lift.



• Step 5: Second Press (Finishing)

Slide the B Base from right to left until it fully aligns with the upper die. Hold the support arm with one hand and press the handle down with the other hand until the upper and lower dies fully close at the bottom. The button is now complete.

Precautions

1. To prevent potential hazards, use this product only as described in the manual. Do not use it for unintended purposes.
 2. Store the product in a cool, dry, and well-ventilated place. Avoid moisture, high temperatures ($\leq 40^{\circ}\text{C}$ / 104°F), direct sunlight, and corrosive environments.
 3. Operate the product on a stable, flat surface in a safe working environment.
 4. Children must use this product under adult supervision.
 5. The adjustable circle cutter contains a sharp blade. Do not touch the blade with your fingers to avoid injury.
 6. Use caution during operation to avoid finger injuries or crushing hazards, and always follow the safety warnings on the machine.
 7. Recommended Age: 8+.
 8. ⚠ CAUTION: While pressing the die down, never place your fingers or clothing in the stamping zone between the upper and lower dies.
 9. ⚠ WARNING: CHOKING HAZARD – Small parts. Not for children under 3 yrs.
 10. ⚠ CAUTION: Contains functional sharp points (pins) and sharp edges (rotary cutter blades). Adult supervision required.
 11. ⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov
- This notification is provided pursuant to California Proposition 65 regarding trace materials in standard components. The machine meets all relevant consumer product safety regulations under normal use.

Specifications

Product Name	HTVRONT B1 Manual Button Maker	Model	BM1
Machine Material	ABS	Button Material	Tinplate
Machine Weight	3.97 lb / 1.8 kg	Package Weight	7.72 lb / 3.5 kg
Machine Size	11.22 × 6.89 × 10.24 in 28.5 × 17.5 × 26 cm	Package Size	12.32 × 6.10 × 9.84 in 31.3 × 15.5 × 25 cm
Die Diameter	2.28 in / 58 mm	Recommended Paper Weight	127–159 g/m ²

FAQs

Q1: Why does the tinplate button shell not attach to the upper die during the first press?

A1: Note that the upper die is open during the first press. Ensure the upper and lower dies are aligned vertically during pressing.

A2: Excess lubricant in the upper die. Wipe off any excess lubricant.

Q2: Why is the button not fully wrapped after the second press?

A1: The upper and lower dies are not properly aligned. Make sure they are aligned straight when pressing.

A2: Paper is not suitable. Use paper within the recommended thickness range (127–159 g/m²).

A3: The upper die may be loose. Tighten the center screw in the upper die using the included hex screws.

A4: Too many clear protective films were used. Use only one clear protective film.

Q3: Why is the button not firmly secured after pressing?

A1: The press is not fully completed. Apply more pressure and press all the way to the bottom.

A2: The paper is too thin. Use slightly thicker paper.

A3: If you are using the metal button back, ensure the spacer ring is installed. If you are using the plastic button back, the spacer ring should be removed.

Q4: Why can't the upper die be lifted after pressing?

A1: The upper die may be jammed due to unevenly cut paper or a foreign object inside the die. Use a flat tool, such as a flat-head screwdriver, to gently pry it open through the gap between the dies. Light tapping may help. Do not use excessive force.

B1 Manual Button Maker Limited Warranty

This product is covered by a one-year warranty from the date of purchase. If a defect occurs under normal use within the warranty period, we will provide warranty service. Proof of purchase is required to claim warranty service. HTVRONT accessories are covered by a free warranty for three months from the date of purchase. In the event that any warranty terms conflict with applicable local laws and regulations, the local laws will take precedence.

To the extent permitted by applicable laws, HTVRONT is not responsible for the warranty in the following situations: malfunctions caused by improper use, maintenance, and storage by consumers; malfunctions caused by self-repair or dismantling by those who do not undertake the three-guarantee repair without the permission of our company; products that can continue to be used after repair when the warranty expired; damage caused by force majeure. Meanwhile, HTVRONT disclaims all implied and legal warranties, including warranties of merchantability and fitness for a particular purpose. The warranties that are allowed to be denied are for the duration of this warranty.

Proof of purchase may be required to verify warranty eligibility.

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