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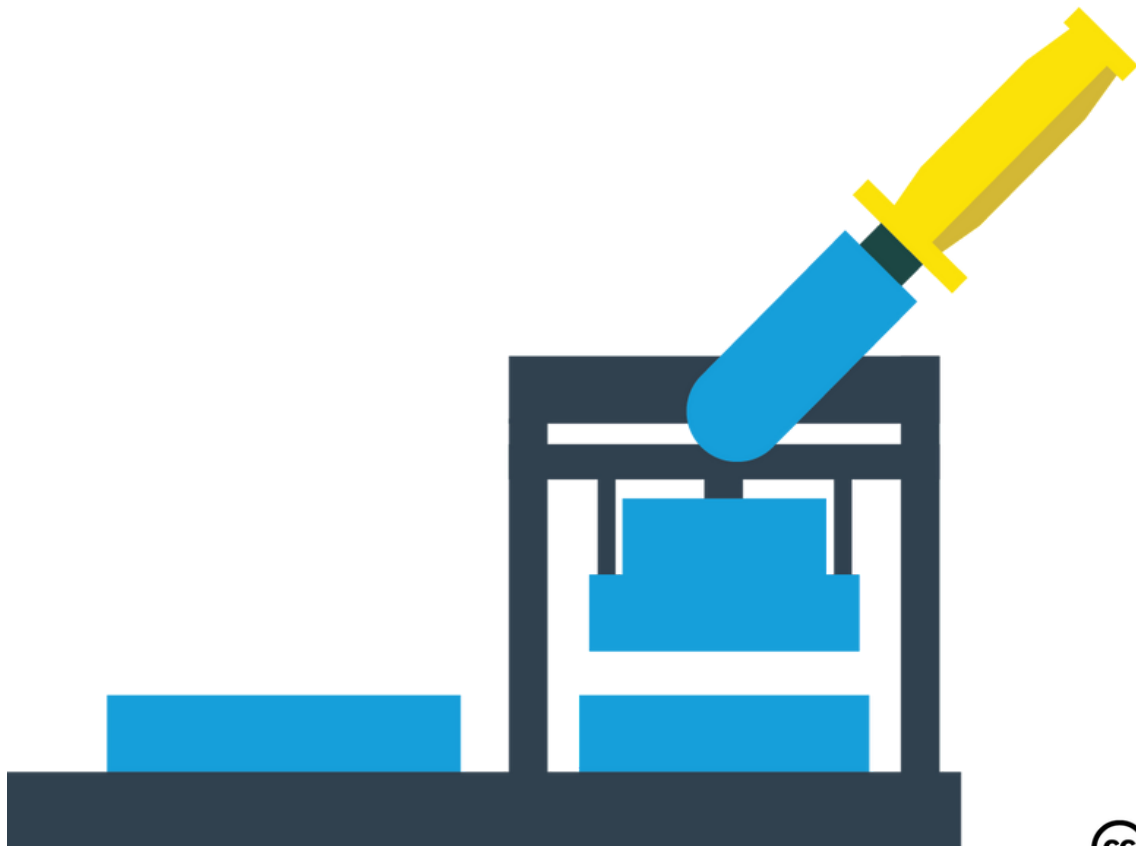
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MAKERSPACE

BUTTON PRESS GUIDE

Singer 4423 Heavy Duty



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What is a Button Press?

A button press is a simple mechanical device used to make custom pin-back buttons or badges by compressing layers of paper, plastic, and metal together into a secure form. It works through a die system that applies even pressure to form a round badge.

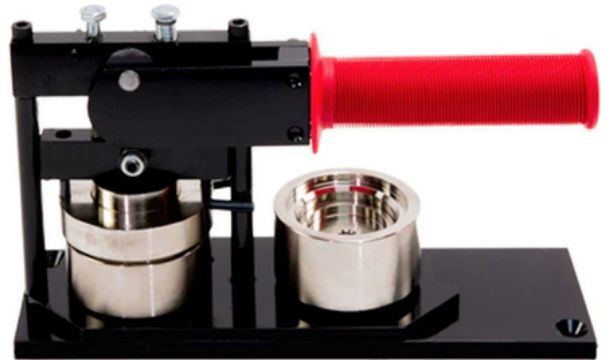


Photo Credit: American Button Machine
<https://www.americanbuttonmachines.com/products/2-25-button-maker>

This guide includes:

Specs & Safe Use

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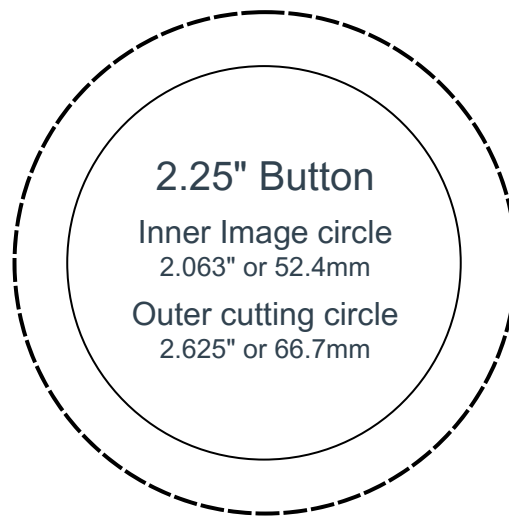
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Machine Specifications

Our Button Press

The Makerspace has a American Button Machines 2.25" button press. For best results use standard weight printer paper and follow the included button template for sizing (inner circle - 2.063" or 52.4mm, outer cutting circle - 2.625" or 66.7mm).



Safety



Keep fingers clear of die area during pressing.



Ensure the machine is on a stable, flat surface before use.

Diagrams

American Button Machine 2.25"

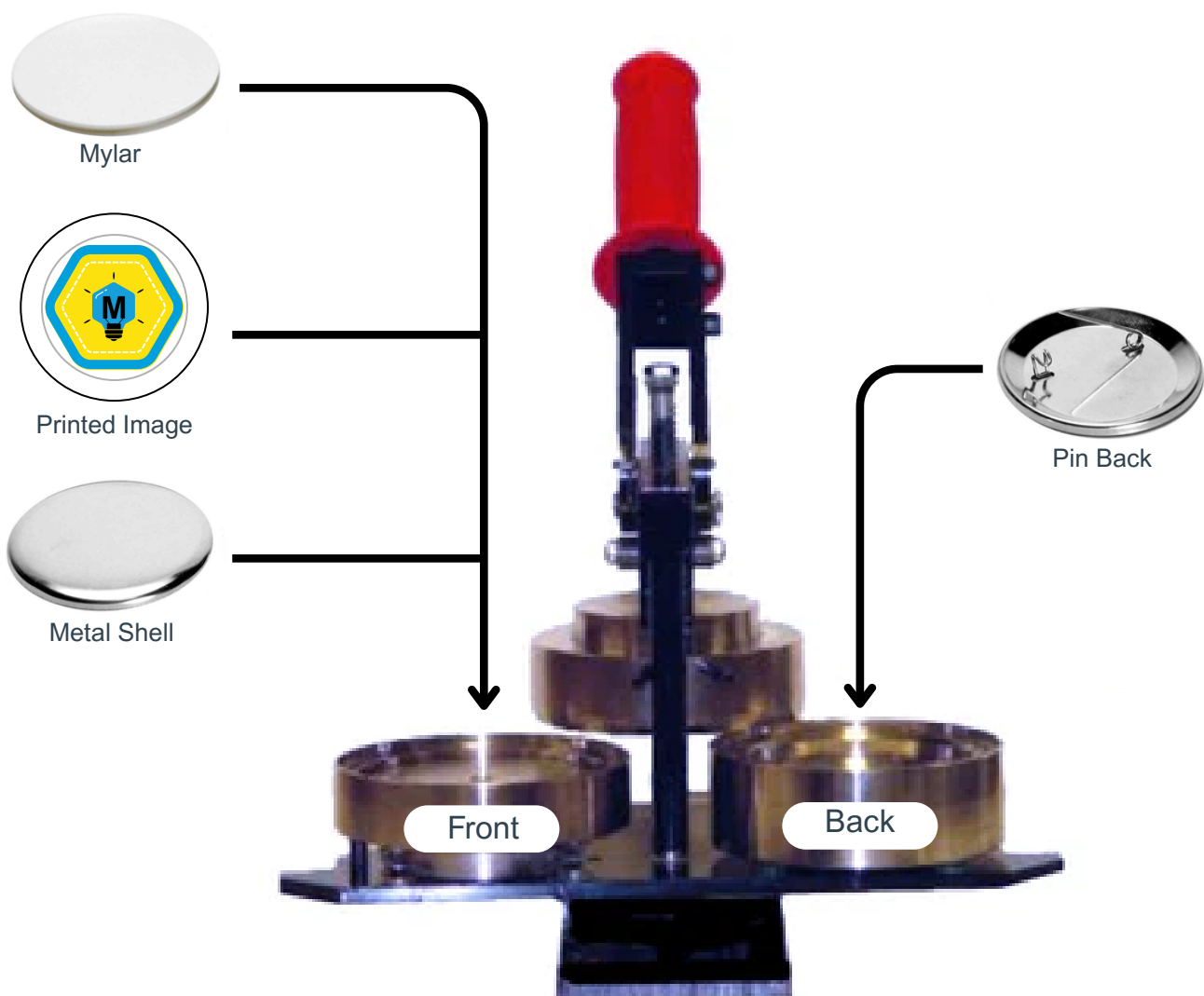
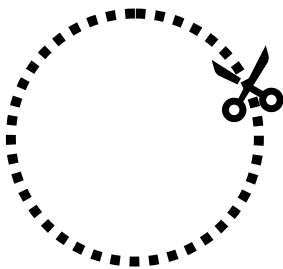


Photo Credit: American Button Machine
<https://www.americanbuttonmachines.com/products/2-25-button-maker>

Checklist for Use

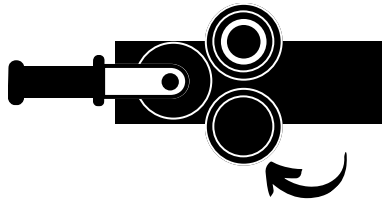
Follow this helpful overview of steps

6 Easy Steps for using the button press



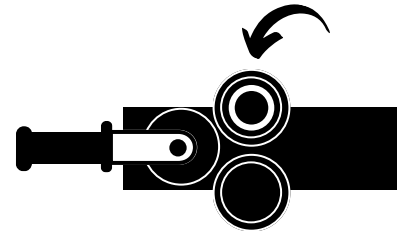
1. Prepare

Set up your images in the button template, print and cut out.



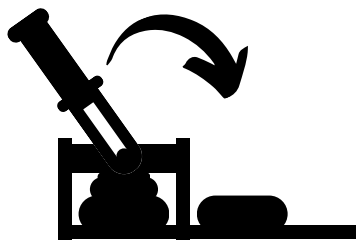
2. Load Front

Place metal shell, printed image, and mylar sheet on the front side of the press.



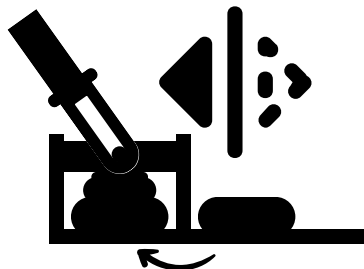
3. Load Back

Place the pin backing face down on the back side of the press.



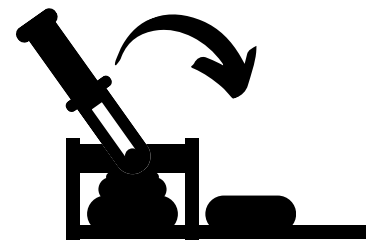
4. Press Front

Align the front side (with image) under the press arm and press firmly.



5. Flip

Rotate the back side (with pin backing) under the press arm.



6. Press Back

Press down firmly. Remove your finished button

For more detailed instructions continue to pg.6

Using the Button Maker

1. Prepare

- Using the button template, import image and size to inner circle (2.063" or 52.4mm).
- Print your design and cut it out along outer circle (2.265" or 66.7mm)



2. Load Front Side

- Place one metal shell into the front die of the button press (this side does not have a center divot).
- Put your cut-out image on top of the shell. Make sure the bottom of your image faces the center post of the press.
- Place a clear mylar circle on top of your image.



YouTube Video Tutorial

[Using the button maker \(1:22 -2:05\)](#)

Using the Button Maker

3. Load Back Side

- Place a pin backing face down into the right die (this side has a center hole). The squiggly wire should be facing up.



4. Press Front

- Rotate the left die (the side with the image) under the press arm
- Move the arm over and down firmly to press. The shell, image, and mylar will stay inside the machine.
- Return the arm to the upright position



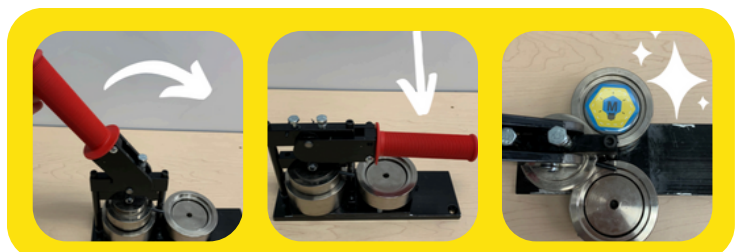
5. Flip

- Rotate the right die (the side with the pin backing) under the press arm.



6. Press Back

- Pull the arm over and down firmly again to crimp the two halves together.
- Lift the arm and remove your finished button!



References

I acknowledge the use of ChatGPT (<https://chat.openai.com/>) to help develop this instructional guide.