

## **Adjustable Rotary Circle Cutter Instruction Manual**

Your new rotary circle cutter is furnished with a steel cutting plate. To avoid damaging your table or workbench always have the steel cutting plate under the material to be cut where the cut is to be made.

The flat plastic centering templates are produced with a hole in the center to guide the placement of the rotary circle cutter onto a picture so that the exact circle is cut for placement on buttons.

To prepare the assembly for production cutting, the right size hole should be cut into the template. Do this according to the following steps:

1. Remove the centering template from the cutter by rotating it so that the tab is no longer resting within the indent.

2. Set the cutting diameter by loosening the center knob on the crank about one turn. Then slide the cutting wheel axle to a position estimated to be the desired size. There are detent spots on the axle so that it will snap into positions calibrated to cut standard graphics sizes for our most common buttons. When the axle is snapped into the likely desired position, tighten the adjusting knob. Put a piece of scrap paper onto the cutting plate. Set the circle cutter onto the paper being sure that the cutting plate is completely under the frame of the cutter. With one hand holding the cutter in position, use the other hand to press down

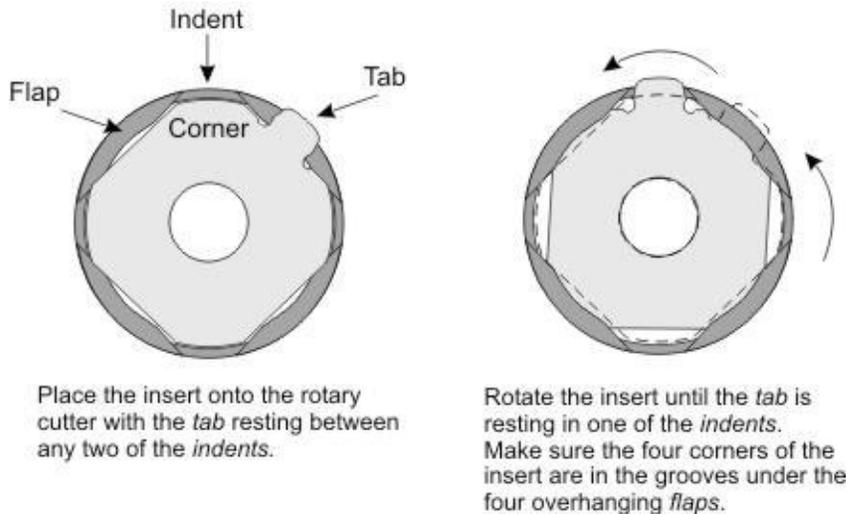
firmly on the crank knob and rotate the crank slightly more than one complete turn. The result should be that the desired graphic circle is cut. It may be necessary to practice this a few times to arrive at the right balance of downward pressure and cranking force to make a smooth cut. Confirm that the circle cut is the correct size. If not, adjust the axle position to the larger or smaller snapped-in position and try the cut again. If one of the standard positions does not produce the size you need, you can resort to the infinitely adjustable mode. Note that the axle has a flat surface running from end to end that has indentations in it corresponding to the standard detent positions or standard graphic sizes. This flat surface is turned upward in the machine when the standard settings are used. To set the cutting diameter for in-between sized, the center knob must be loosened two to three turns so that the flat surface on the axle can be turned downward away from the locking screw.

Now set the axle diameter to the approximate position and tighten the locking knob. Make a trial cut and further adjustments until the exact size is set.

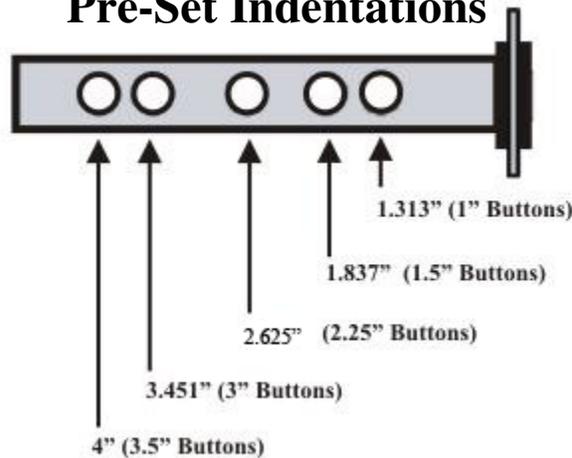


3. You are now ready to cut the opening in the centering template. Reinstall it as illustrated below and follow a slightly different procedure to cut the plastic than you did when you cut the paper samples. Because the plastic is thick and sturdy, the best procedure is to apply much less downward force on the crank knob and continue to turn the crank until the plastic is cut completely thru. It may take 10 to 20 turns of the crank to accomplish this. Be sure to set the cutter onto the cutting plate to do this operation. With the opening in the centering template the exact size of the graphic you require for your buttons, when you set the cutter onto your printed page, what you see thru the opening is exactly what you will get when you make the cut. If you are able to print your graphics in exactly the same positions on every page, you may be able to stack several pages together and cut several circles in one cycle.

### Placing the insert in the cutter



### Cutting Arm Pre-Set Indentations



If the cutting wheel becomes dull or the axle shaft becomes excessively worn, replacement parts are available from American Button Machines ®. To remove the axle from the crank shaft, remove the centering knob screw completely and turn the unit upside down to allow a rod, spring and ball to fall from the base of the crank shaft. The purpose of removing these four parts before removing the axle is to avoid losing the spring-loaded detent ball.

All button size templates can be found at:

[http://www.AmericanButtonMachines.com/Button\\_Templates.html](http://www.AmericanButtonMachines.com/Button_Templates.html)

American Button Machines ® 972-985-5074 [www.AmericanButtonMachines.com](http://www.AmericanButtonMachines.com)