

## Operating instructions for the STA Badge Making Machine – model 1900A

The STA badge machine is capable of making 35mm and 57mm badges.

### MAKING YOUR BADGE ARTWORK

To create your badge artwork, trace out a circle on a piece of paper. Coloured paper makes a great background. This circle is larger than the completed badge size and wraps around the badge front.



- **TO MAKE A 57MM BADGE** the entire badge artwork is a circle 69mm in diameter. This circle is larger than the completed badge size as the paper wraps around the badge. Keep your design elements well away from the edge, within about a **53mm diameter**. Any images or text placed further from the middle will begin to wrap around the edge of the badge.
- **TO MAKE A 35MM BADGE** the entire badge artwork is a circle 46mm in diameter. This circle is larger than the completed badge size as the paper wraps around the badge. Keep your design elements well away from the edge, within about a **31mm diameter**. Any images or text placed further from the middle will be Create outer circle at 46mm (this circle must be printed)

### ARTWORK DONE! YOU'RE READY TO MAKE YOUR BADGE

You will need these badge making components:

1. A badge back
2. A convex metal disc - a badge front
3. A clear plastic Mylar front disc

#### Step 1

- Make sure the gold coloured front die is nearest to you.
- Place the metal front, edge down, in the gold coloured die.
- Then insert your artwork laying it on top of the metal disc. Place it in the 12 o'clock position.

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- Lay the clear plastic Mylar disc on top of your artwork.
- Rotate the rotor plate 180° until it hits the stop on the machine body. The silver “back” die will now be nearest you. Pull the handle down to the limit of its travel. You will see the top and gold dies engage and “snap” together.
- Gently release the handle (do not let it fly back) to its normal position. All the components will have now transferred to the top die.

## Step 2

- Place the badge back in the silver “back” die. The pin should be clasp side down. Ensure the pin sits in the “East West” position across the die.
- Rotate the rotor plate 180° until it hits the stop on the machine body. The gold “front” die will now be nearest you. Pull the handle down to the limit of its travel. You will see the top and silver dies engage and “snap” together. Gently release the handle.

## Step 3 - Repeat step 1.

- Rotate the rotor plate 180° until it hits the stop on the machine body. The silver back die will now be nearest you. In the die will be a completely assembled badge. To eject the finished badge, push upwards on the small pin located in the 3 - 5 o'clock position under the silver “back” die. Because of size limitations there is no pin on the 35mm die. Use a magnet to extract the finished badge.

## Step 4 - Repeat step 2.

- Continue to repeat the steps until the required quantity of badges is made.
- Fitting Die Sets - the machine is fitted with the size die set of your choice. To remove, lift off the rotor plate containing the front and back dies. Lay the machine on its side. With the Allen Key provided remove the top die by unscrewing the Allen Screw located in the centre underneath the top die. (refer to diagram sheet).
- Depending on which size Button Badge you wish to make, take the top die of that size and insert the top die shaft making sure that the mark on the top die is lined up with the notch on the front of the badge making machine body. Insert the Allen Screw in the centre underneath the top die and screw up tightly with the Allen Key provided. Stand the machine up. Fit the rotor plate in the locating hole in the base of the machine.

**Please share images of your badge making using #southerntablendsarts**

## MACHINE MAINTENANCE

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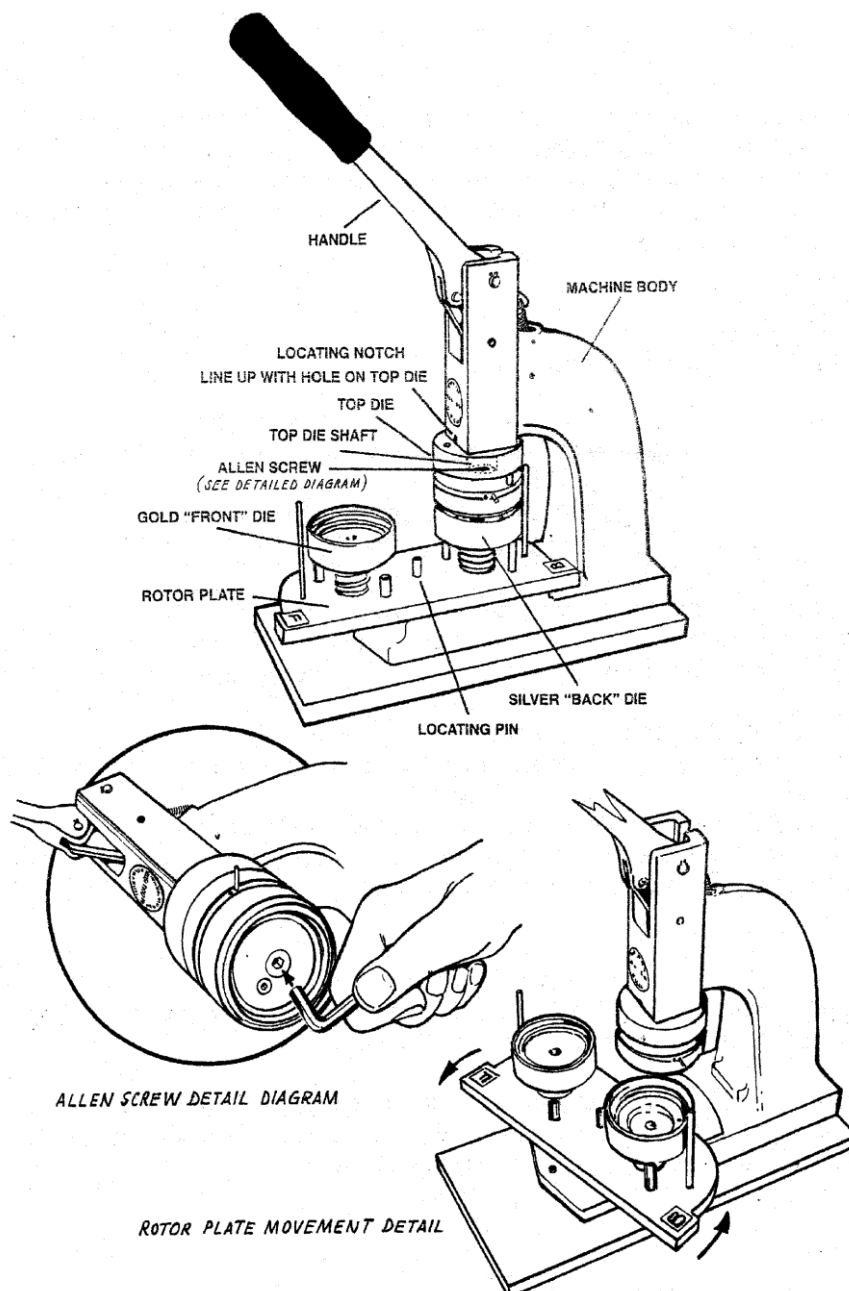
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- After the first 50 or so badges, it's a good idea to apply a tiny drop of oil (engine oil or sewing machine oil...don't use solid stick dri-lube) to the main shaft and pivot points.
- Use only the smallest amount of oil to prevent the machine becoming messy.

## STORING YOUR MACHINE

The STA Badge Machine comes in it's own suitcase complete with paper and drawing materials. Please pack up the machine as you found it in the case when you're finished with it. Talk to STA about when and how the machine will be returned.

## The 1900A Badgemaking Machine



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