



## Balancing wand with counter weights

- 1- Trim wand to length needed length.
  - a. Method 1- Small tubing cutter. Using a small tubing cut wand to length. Sometimes the tubing cutter will slightly compress the wand at the point of cut. Use a drill bit open the end of the wand back up. The ID of the wand is approximately 3.5mm (0.137795")
  - b. Method 2- Use a Dremel tool with a cut off wheel. This usually make a cleaner cut and eliminates the need to open the end of the wand up.
- 2- Insert the 3.5mm pin that is provided with the balancing weight set into the end of the wand. Leave some of the pin hanging out. This is what the counter weights will slide over and tighten onto. The pin also keeps the wand from getting crushed when you tighten it later.
- 3- Insert the wand and pin through the wand holder.
- 4- Place the wand holder and wand onto the scanner motor shaft. Do not tighten the wand holder onto the motor shaft yet. Next add weights to onto the 3.5mm pin until the wand is balanced.
- 5- Once it is balanced tighten the weights in place on the 3.5mm pin.
- 6- Tighten the wand set screw to secure the wand into the wand holder.
- 7- Tighten the wand holder onto the scanner motor shaft.

Here is a link to a video showing the process as well. [https://www.youtube.com/watch?v=485\\_9SBN\\_Hs&t=64s](https://www.youtube.com/watch?v=485_9SBN_Hs&t=64s)

