

## Mounting Samples onto the Solid State Sample Plate – WEAR GLOVES

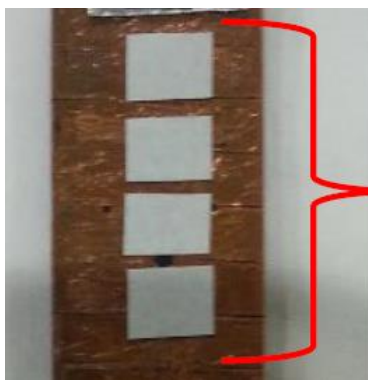
1) Select a copper sample holder for the SXRMB beam line.

There are long holders and short holders (typically a long sample holder is used if many samples are to be analyzed)



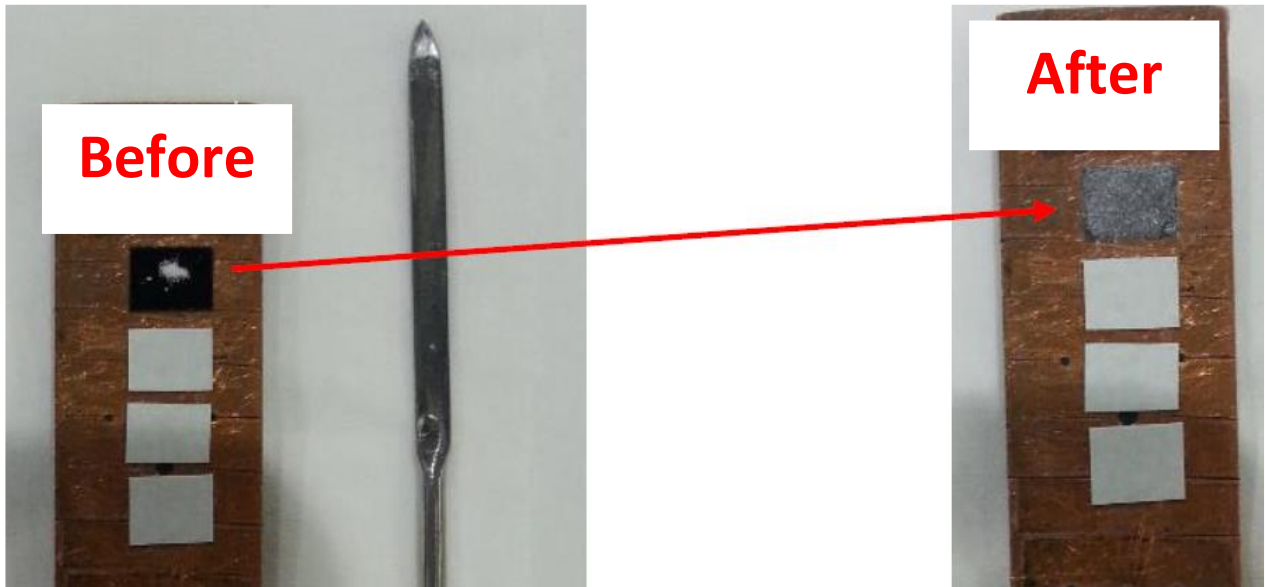
2) Ensure the plate is clean by wiping it down with methanol and drying thoroughly

3) Cut as many small strips of carbon tape as needed and place them in one or two columns at least 2 mm apart, leaving the protective backing on the tape.



align tape pieces like this

- 4) Remove the backing from one piece of tape
- 5) Using a spatula and a small amount of sample, spread a thin layer of sample evenly over the tape.



- 6) Tap the plate or use compressed air to remove the excess sample from around the tape.
- 7) Repeat steps 4-5 until all the samples are mounted on the plate.
- 8) Make sure to keep a clear and concise log of your mounted samples
- 9) Place a fluorescing crystal (provided by the beam line) at the bottom of the holder using double sided carbon tape.

