

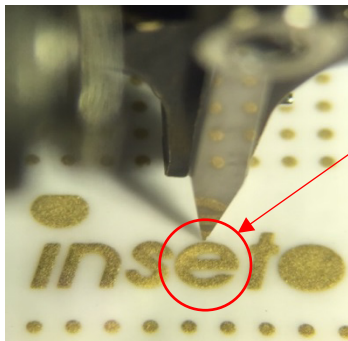
- SCOPE: Adjusting the correct working height for A Micro Point Pro (MPP) or Kulicke and Soffa (K&S) manual wire bonder workholder.

Setting Workholder Height

- 1) Apply power to the bonder and wait for the machine to initialise.
- 2) Set the **LOOP** value to 1.
- 3) Remove the work-holder from the bonding area.
- 4) Press and release the chessman button (bonding button) to bond in free air; this will move the bond-head downwards to loop position.
- 5) Hold the work-holder static in the middle (below) and by rotating the base the height can be adjusted.
 - a. Rotate clockwise to raise workholder height
 - b. Rotate anti-clockwise to lower workholder height



- 6) Rotate workholder anticlockwise fully to lowest position.
- 7) Load workholder (with product to bond).
- 8) Position workholder under the bonding tool.
- 9) Looking through the microscope raise work holder until lowest bonding surface is just touching the tool.

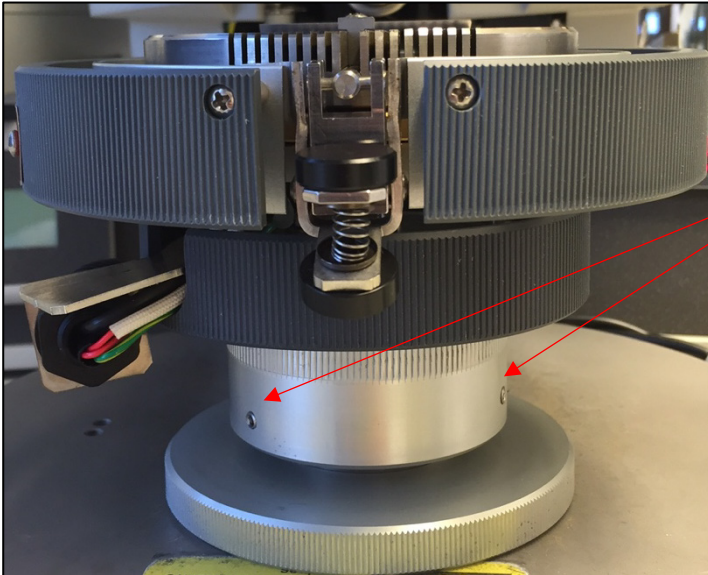


The image above shows the tool touching down onto the ceramic

- 10) Press the RESET button, the machine will now initialise
- 11) Increase the LOOP parameter to a higher value (4 - 5) to ensure good clearance above product.
- 12) The work holder height is now setup correctly.

Troubleshooting:

- **Problem:** - The work-holder will not move in any direction (upwards or downwards)
- **Resolution:** - The sprung grub screws are too tight, loosen all 3 grub screws slightly until rotation is possible



2 grub screws are visible in this figure (another is located at the back of the workholder)

Loosen grub screws to facilitate rotation.