

## *Message/Alarm “Clean C-HEAD” appears*

A build up of resin and dirt will cause a bridging across the gap on the capacitive sensor reducing the measurement reading. It is recommended to clean the sensor on a 4 week cycle depending on polymers used and content of reclaim. It only takes five minutes and can be done with the line running if desired.

To verify the measurement reading go to the “ON-LINE Service” status page for the profile measurement as follows:

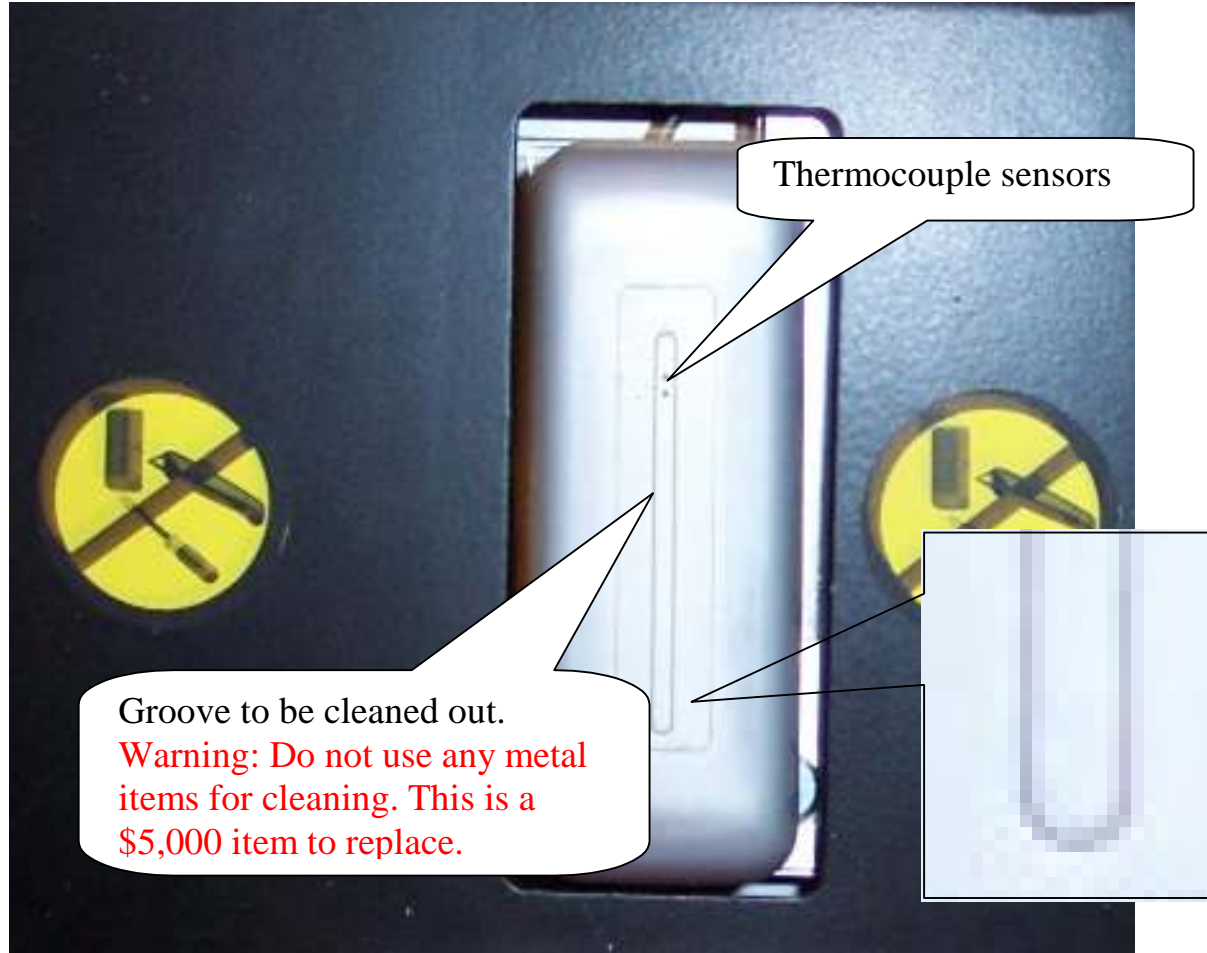
- Press “ESC” button until display shows:
  - 1)
  - 2)
  - 3)
  - 4)
  - .
  - .
  - 9) Service (select Service)
- When “Enter Password” is displayed type a “1” and press enter.
- On next menu select :
  - 1) IN-LINE SERVICE
- On next menu select :
  - 8) ON-LINE PROFILE

On the bottom of the screen you will see:

C-HEAD:	FREQ	CALIB	PROF	TEMP/BUB	TEMP/HEAD	.....
	1885680	2034720	0.90	68.41	69.51	

The first field (FREQ) is the actual value being reported by the capacitive sensor to the ACS computer. The second field (CALIB) is the stored value reported by the capacitive sensor the last time it performed a calibration by retracting off of the film. When the C-HEAD is clean the actual value of the FREQ should be in the range of 1,500,000 to 1,950,000 depending of film thickness and resin blend. The CALIB value will be around 2,000,000. As the actual value gets down below 1,400,000 the system will report that a cleaning is needed.

## *Procedure for cleaning:*



If the profile measurement is running, stop the function by either double touching the PROFILE button on the machine control screen or turning off the power on the control box PC9 that controls the profile scanner. Stop the radial adjustment arm where it is best reachable for cleaning.

- With a clean cotton rag and an alcohol based cleaning solution wipe the surface of the capacitive sensor until no visible dirt or polymer is showing.
- With a non-metal tool, (i.e. toothpick, sharpened piece of wood, toothbrush, pointed plastic item) clean out the groove that goes around the center of the sensor. This area will collect polymer and dirt and over time will short out the two capacitive plates.
- Restart the measurement sensor, remember to turn on the scanner if the switch was turned off on the PC9 box.