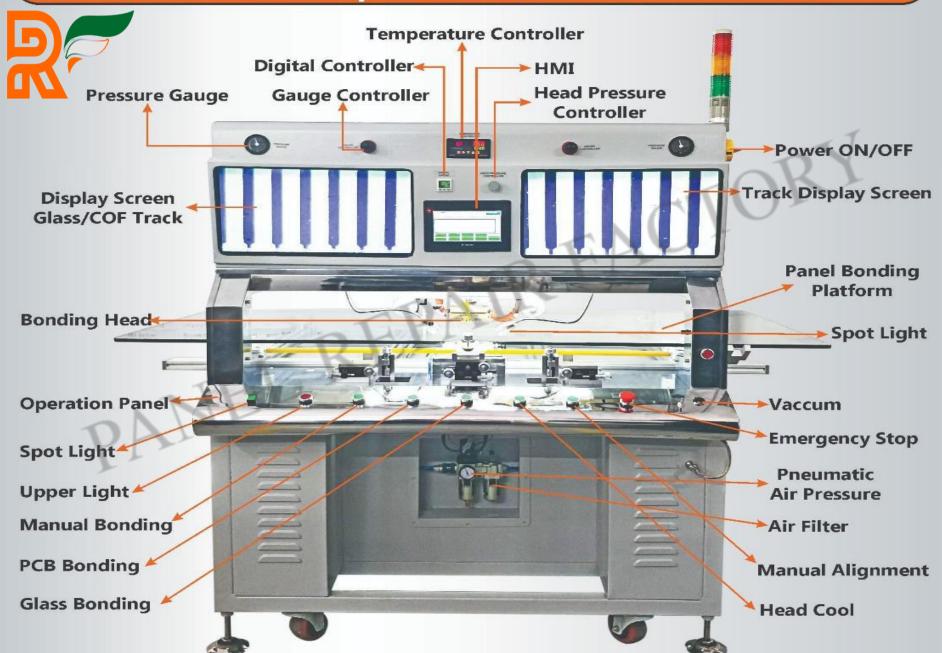


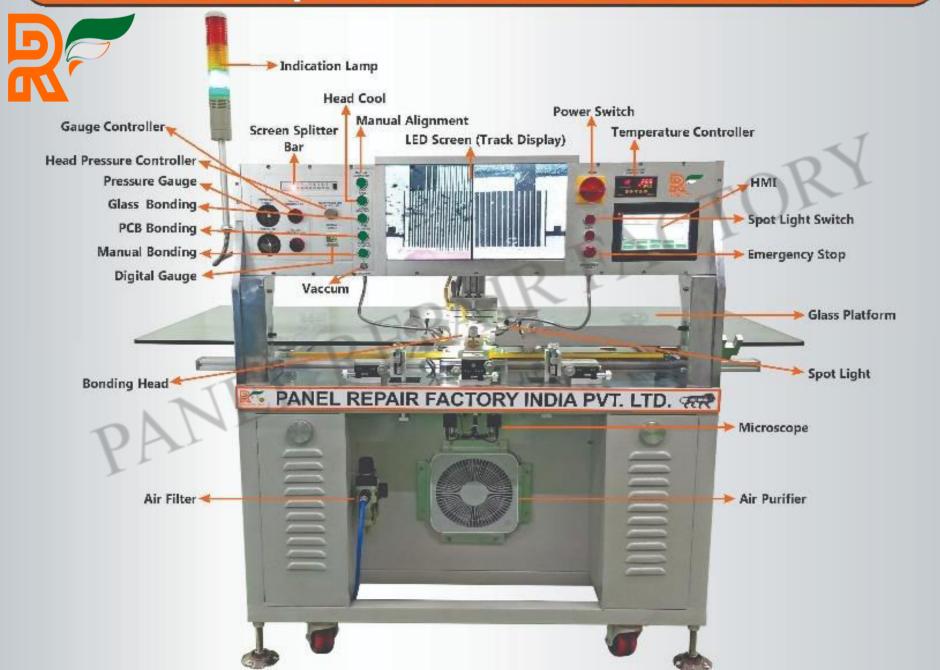
ACF BONDING TRAINING

PANEL REPAIR FACTORY INDIA PVT. LTD.
A42, 1ST FLOOR, MAYAPURI PHASE-2
NEW DELHI-110064
PHONE-011-49123872
E MAIL-INFO@PANELREPAIRFACTORY.COM

PRF-960 Specification of Machine



PRF-999 Export Model Features of Machine



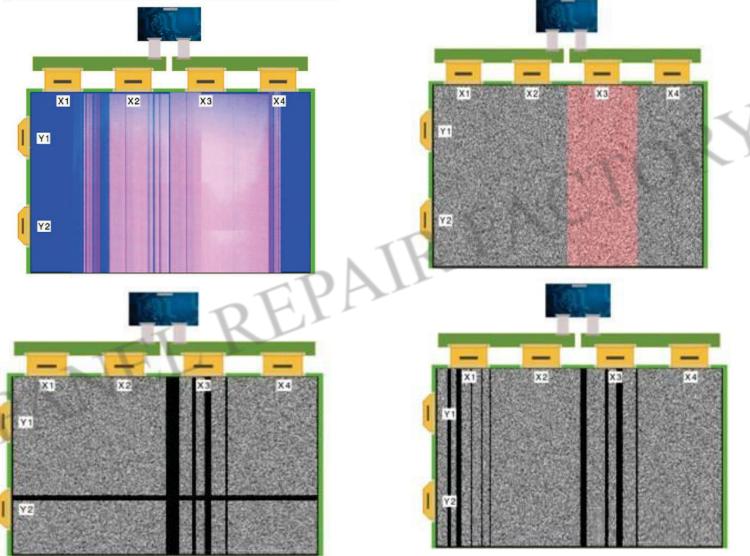


COMMON FAULT IN LCD/LED PANEL

- ➤ Vertical lines
- ➤ Horizontal lines
- ➤ Multiple lines
- ➤ Vertical bar
- ➤ Horizontal bar
- >Intermediate lines
- ➤ Double image
- ➤Ghost image
- ➤ Negative picture
- >Abnormal picture

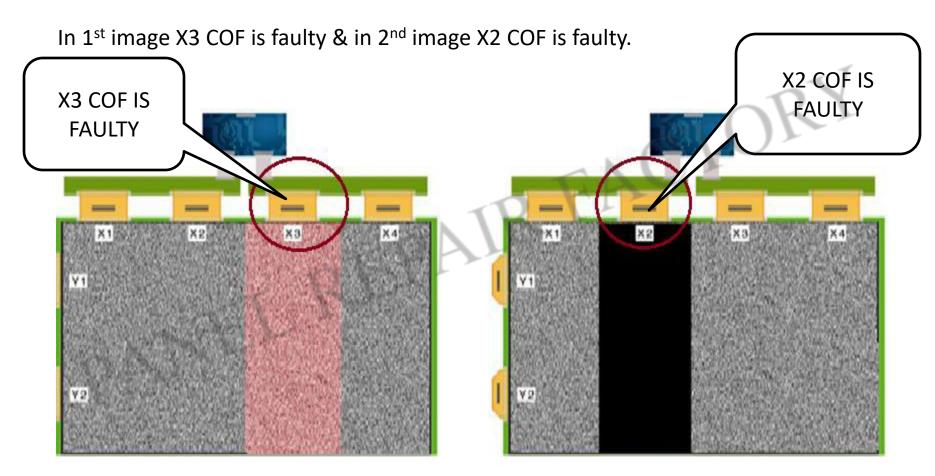


FAULTY LCD/LED PANEL





CHECK PANEL FAULT BEFOR BONDING





ACF Bonding Process

- √ Check LCD/LED Panel
- ✓ LCD/LED Panel fault mark
- ✓ Remove COF from PCB & ITO side
- ✓ Cleaning COF, PCB & ITO
- ✓ Prepare COF for bonding
- ✓ Use acf bonding machine for bonding



REMOVE COF FROM PCB & GLASS SIDE

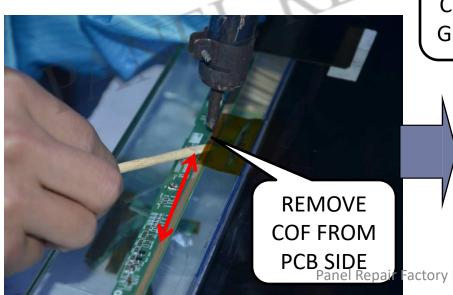
SMD RANGE-TEMPRATURE-250 TO 300 ° AIR -4 TO 5

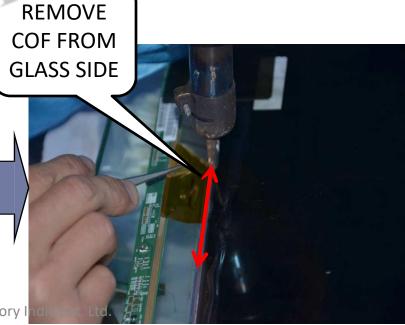






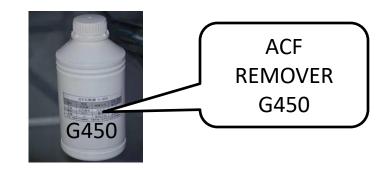
- 1. REMOVE SEALING GLUE
- 2. REMOVE COF FROM:
 FIRST ON PCB SIDE
 SECOND GLASS SIDE

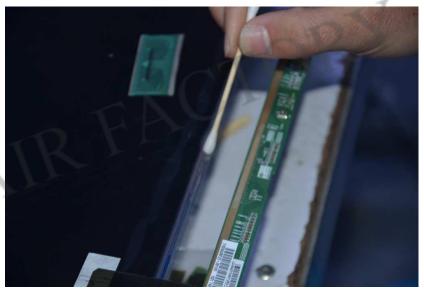










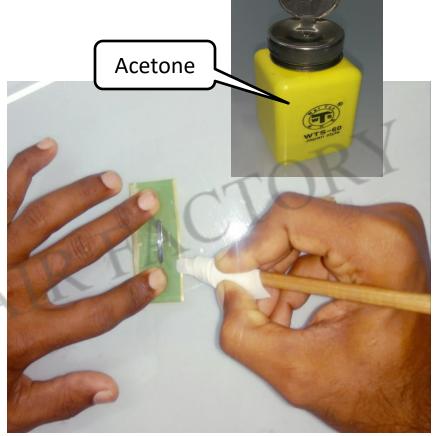


Apply right amount of ACF Remover G540 on Glass, PCB and COF both sides. <u>Too less or too much is not working good.</u>
Don't apply liquid on other part of them, because the liquid is corrosion, will damage polarizer film or protection film.
Don't touch the liquid with your finger or skin.
ACF REMOVER G 450 use for COF cleaning.



COF CLEANING WITH ACETON



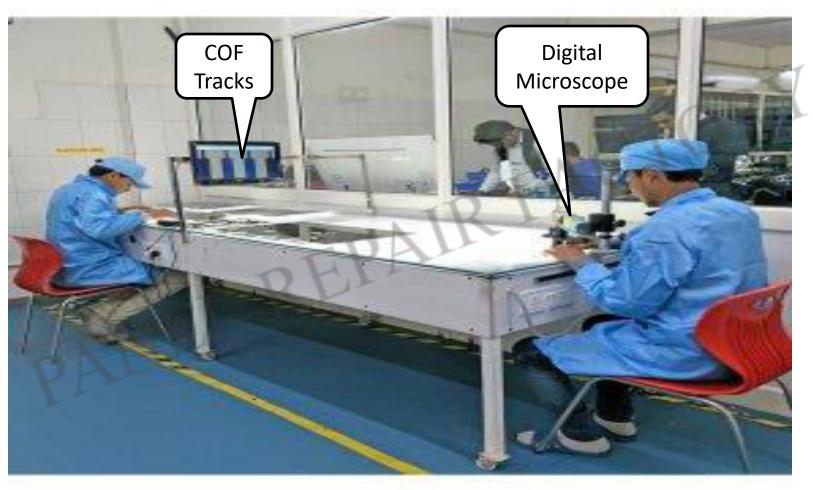


Dip cotton buds in acetone & COF clean only vertical direction

Fold cloth on stick & dip in acetone and COF clean only vertical direction



COF CHECKING WITH MICROSCOPE





ACF TAPE MODEL

ACF is necessary for COF bonding, the ACF will connect COF with Glass and PCB. Should choose the correct ACF before bonding. The ACF for Glass side and PCB side is different.





AC-7206U-18 1.5(W)X50(L)M for glass side

AC-2056R-35 2.0(W)X50(L)M for PCB side

- ACF should be stored in low temperature 5(like fridge),
- Please check the valid date of use written on the ACF label.
- ACF should not be used when expired.
- Put ACF back to the fridge after every day work finished.



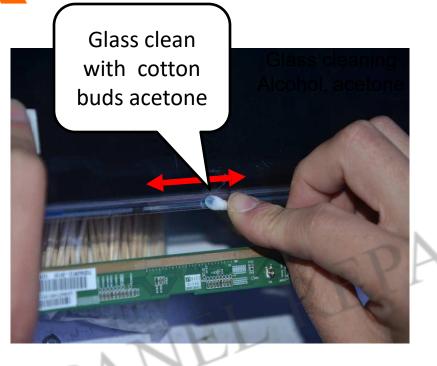
APPLY ACF TAPE ON COF

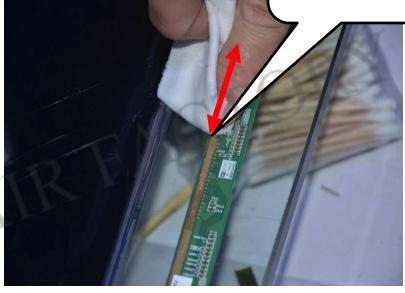




GLASS & PCB Cleaning

PCB Clean with cloth & acetone





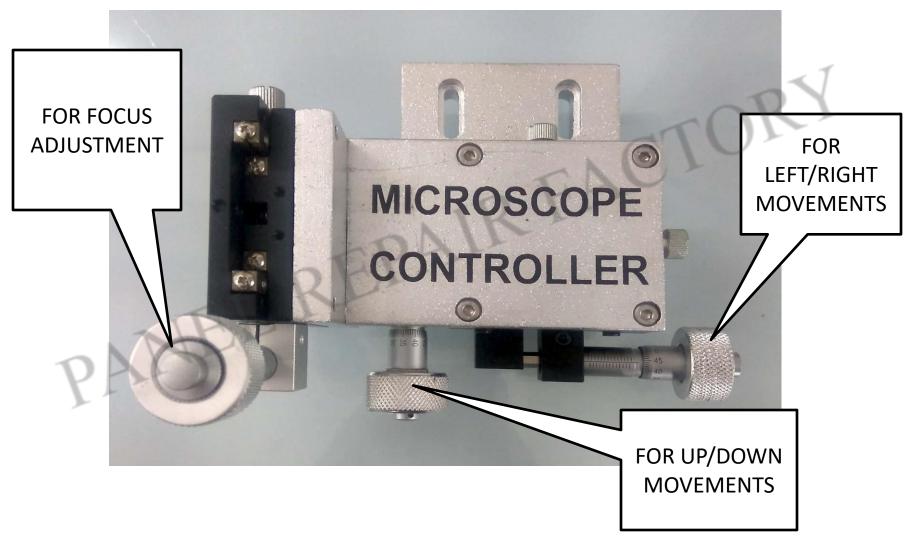
For Glass cleaning: 1. Scrub the residual ACF with cotton buds with acetone; 2. Scrub with cotton swab(electrostatic cloth) and acetone. 3. Repeat step 1 and 2 until the Glass is clear.

GLASS SETTING ON BONDING MACHINE





MICROSCOPE CONTROLLER

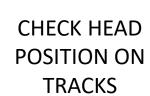




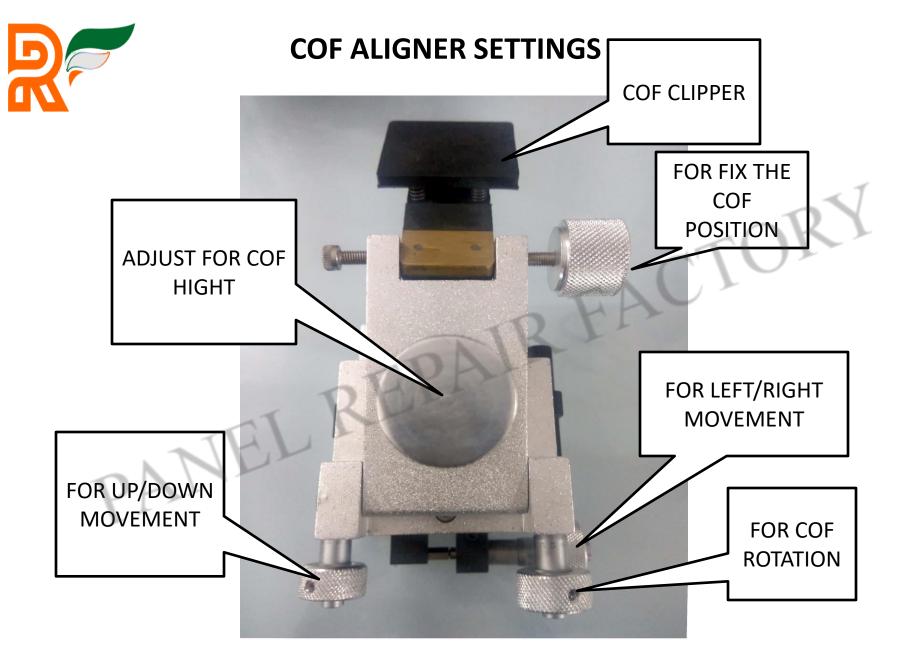
HEAD SETTING ON PANEL ITO

CHECK ITO SYMBOL

CHECK ITO SYMBOL

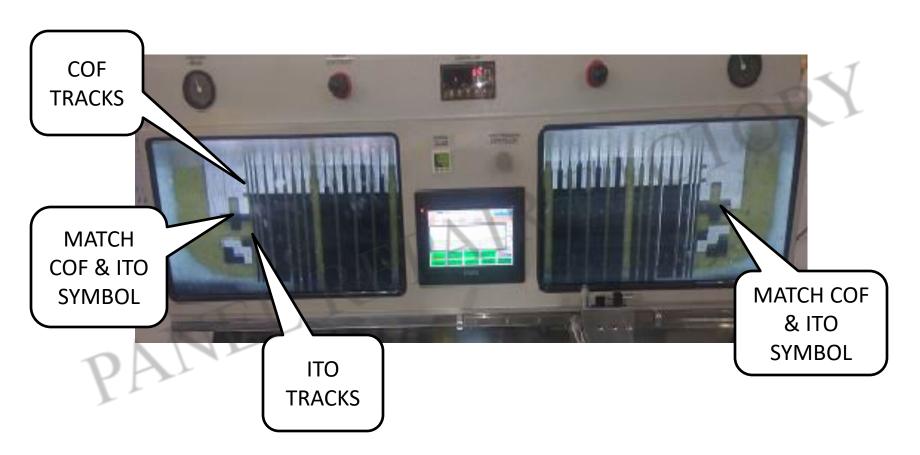


CHECK HEAD POSITION ON TRACKS



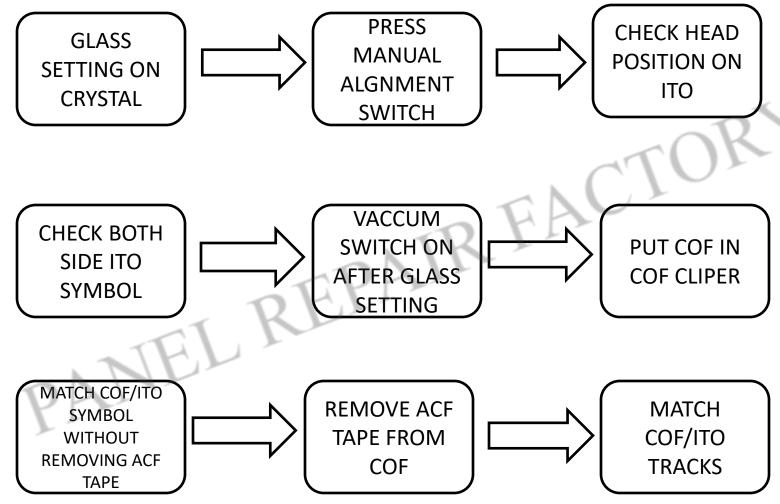


COF & ITO TRACKS ALIGNMENT





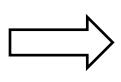
STEP BY STEP BODING PROCESS



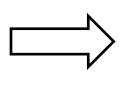


STEP BY STEP BODING PROCESS

PUT SILICON TAPE ON COF



PRESS
MANUAL
ALIGNMENTS
WITCH

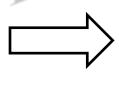


HEAD PRESS ON & STOP MANUAL ALIGNMENT

DO PREBOND UP TO 80 ° TEMP

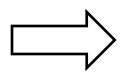


MATCH ITO & COF TRACK PROPERLY DURING PREBOND TIME

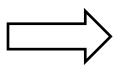


STOP PREBONING WITHIN 10 TO 15 SEC

PRESS GLASS BONDING SWITCH

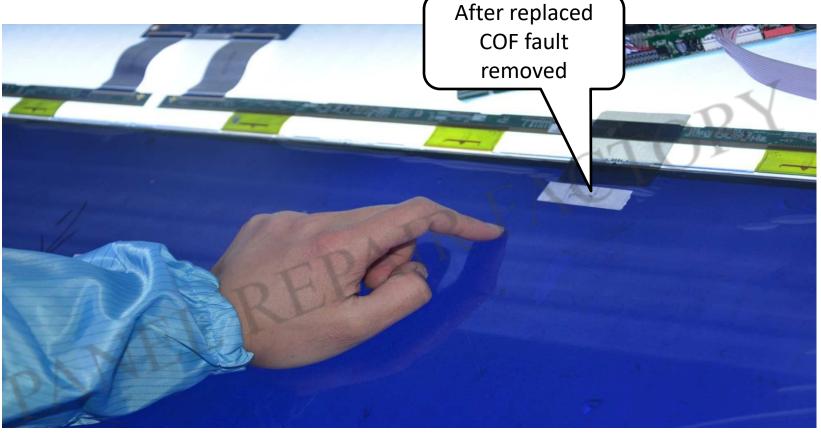


VACCUME SWITCH OFF & REMOVE GLAAS FROM MACHINE



NOW DO PCB SIDE BONDING

Testing After Bonding



After bonding, do a testing with the screen, make sure the fault was repaired.

If not repaired, analyze the reason and repair again. Usually bright line means short circuit; dark line means off circuit.



CHECK PANEL AFTER BONDING

