

INSTALLATION MANUAL

TAB/COF BONDING MACHINE

PRF960

PANEL REPAIR FACTORY INDIA PVT.LTD.



INTRODUCTION

Panel Repair factory India Pvt. Ltd. with extensive experienced team developed First Time in India ACF Pulse Heating Bonding Machines For LCD TV Panels and Mobile Phone Panels.

We have been into the development & production of advanced Bonding Technology since last many years. We are the Manufacturer & Exporters of ACF Bonding Machine in **New Delhi (India)**.

PACKING LIST

1. COF/TAB BONDING MACHINE PRF960
2. GLASS PLATFORM
3. GLASS (SIZE-6x3)
4. SMD HOT AIR GUN
5. MICROSCOPE
6. PANEL TESTING TABLE
7. COMPRESSOR
8. ACCESSORIES BOX

ACCESSORIES LIST

<p>1. Digital Microscope</p> 	<p>2. Magnifier 40X</p> 
<p>3. 30W Soldering Iron</p> 	<p>4. T Type Bit</p> 
<p>5. Ethanol</p> 	<p>6. T Bit Rubbers</p> 
<p>7. Empty Bottle</p> 	<p>8. ACF Remover Liquid 450G / 750G</p> 
<p>9. ACF Tape for Glass: Total 1.5mm ACF Tape for PCB: Total 2.0mm Precaution: maintain (5°C to -8°C) Keep in Refrigerator</p> 	<p>10. COF Cutter</p> 
<p>11. Tweezer</p> 	<p>12. Tepon Tape</p> 
<p>13. Acetone Liquid</p> 	<p>14. Heating Solder Iron (Hot Gun)</p> 
<p>15. Allen Key</p> 	<p>16. Air Compressor</p> 
<p>17. Cleaning Sponge</p> 	<p>18. Cleaning Cloth</p> 
<p>19. Cleaning Buds</p> 	<p>20. Tooth Picks</p> 

PRODUCT SPECIFICATION

Model	PRF-960 & PRF 960-M
Heating Mode	Pulse Heating
Available size	10-85 inch, all different brands of LCD
Suitable	2K, 4K, 8K
PID temperature control system	Temperature control module
	Temperature curve Factory Reset
	Peak temperature +/-2 degrees Celsius
	From room temperature to 180 degrees response time for 2 seconds
	Thermocouple type: K type
Heat press head	Materials: titanium alloy. Place of origin: India
	Plane precision (hot-pressing side) Size : 1.6 mm
	Temperature:50-300 °C, adjustable
Quartz strip	Plane precision (pressure surface): 4 mm
Cylinder	SMC
Industrial control unit	PLCS
Imaging unit	HDMI
	COF alignment: under alignment (optical path : lens > quartz > ITO electrode COF package)
	PCB alignment: No
	Microscope magnification: 20 ~ 100 consecutive times
	Number of lens: 2
	COF alignment display: PRF-960 (19.5")
	COF alignment display: PRF-960M (13.5")
	Light above : Yes Light down : Yes
	Temperature:50-300 °C, adjustable
COF trimming Unit	Place of origin: India
	Type of guide rail : V guide rail
	Accuracy: 0.01
	Adjustable direction: X/Y/θ
	X-Y range: + / - 20mm
	θ range: coarse adjustment 90 degrees, fine adjustment + / - 5 degrees

COF fixture	Mechanical clamping □xture way, Z to tilt radius can be adjusted/ Adjustable horizontal angel/COF can be extended
Lens fine-tuning unit	Type of guide rail: precise cross rail .Control mode: X - Y - Z micrometer Control
LCD Vacuum absorption	Yes
LCD drive (platform)	Fixed optional manually Size: (6ft x 3ft) / (5ft x 3ft)
Indicator	Abnormal : temperature/thermocouple anomaly/actions
Heat press head alignment	Independent pneumatic, Pressure reducing valve be adjusted manually
Control way	Touch screen + button operation
Parameter setting	According to the need to set to storage many groups of hot-pressing Parameters
Voltage	220V
Peak power	500W, working power 150W (Approx.)
Weight	350kg (Approx.)
Size of machine (mm)	PRF-960 (1168x1010x1570)mm & PRF-960M (890x685x1570)mm
Base Size	PRF-960 (46"x32") inch & PRF-960M (35"x27") inch
Viewing Screen Size	PRF-960 (19.5") & PRF-960M (13.5")

STEP BY STEP INTALLATION

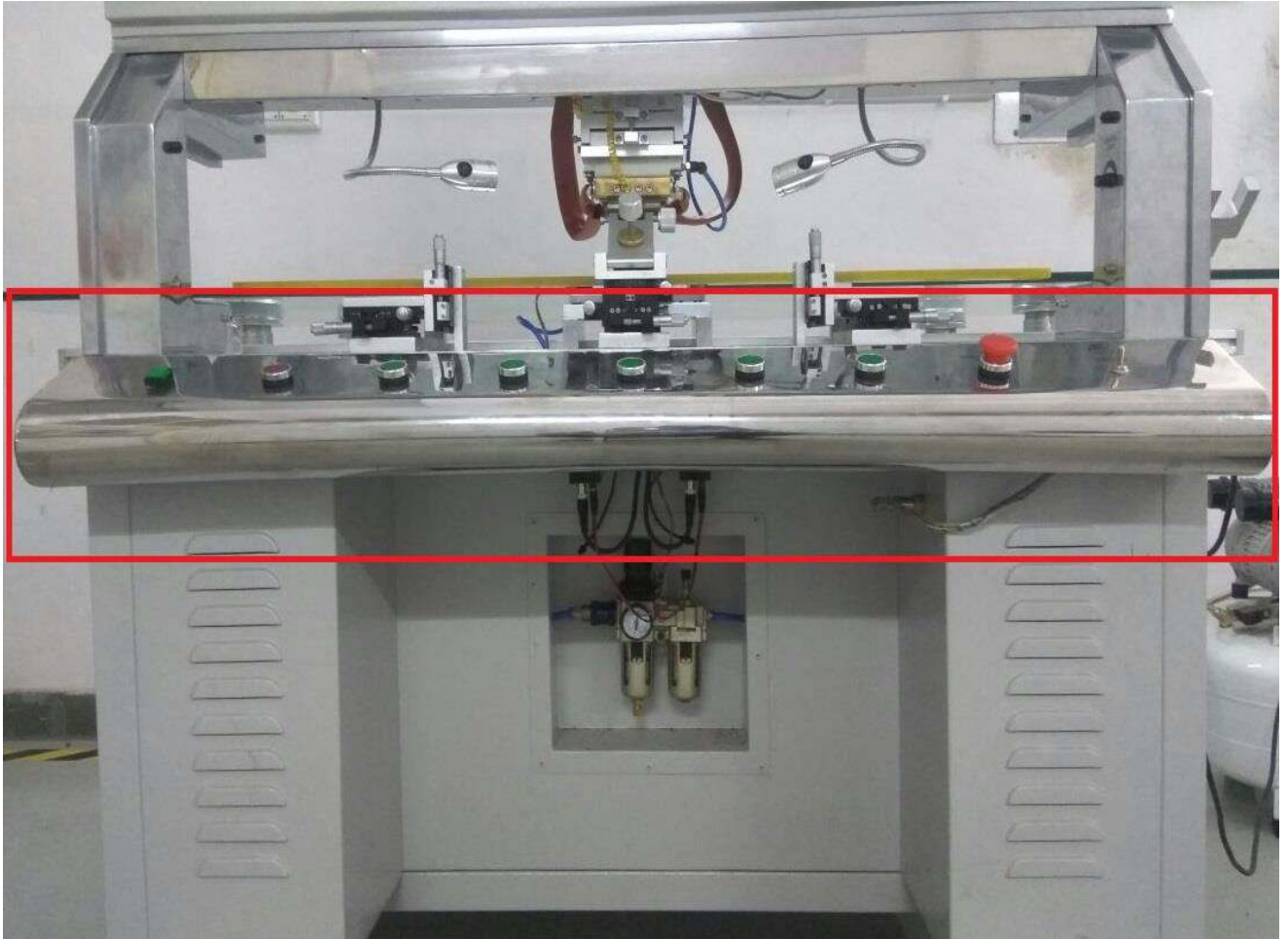
STEP-1

Open the machine box properly and take out all the equipments.
Remove the air compressor from the top of the machine.
Remove the other accessories from the machine.



STEP-2

Fix the switch panel with screw.



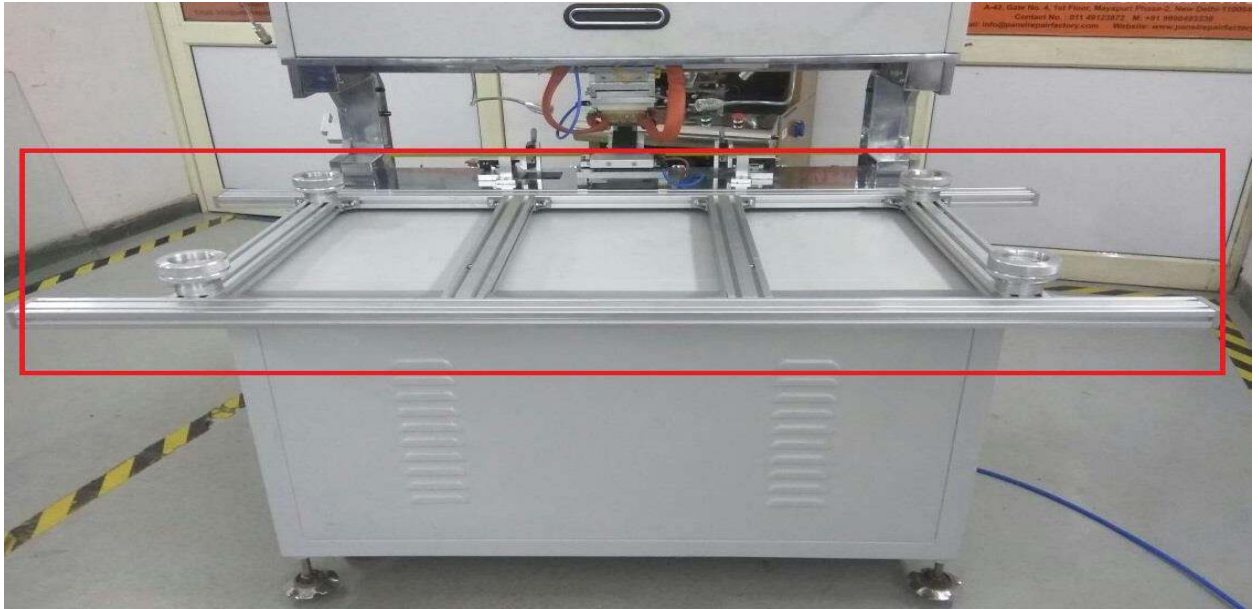
STEP-3

Fix the indicator lamp



STEP-4

Fix the glass platform with screw and put glass on it.



STEP-5

Adjust level by moving this.



STEP-6

Move the machine on perfect location and fix with stand.



STEP-7

Install compressor and connect air pipe with machine.

