

ACF PRE-ATTACHMENT SYSTEM TM-90-MKIV-R



Overview

This ACF Pre-Attachment system is ideally suited for production needs in the attachment of Anisotropic Conductive Film (ACF) onto LCD, glass panel, flexible circuits, PCB and a wide variety of substrates. Constant heat is utilized as the heating source to ensure consistency in the temperature across the heater block.

Generally, ACF is pre-attached onto the substrates prior to bonding of TAB or Flex circuits.

The automatic operation process comprises of ACF lamination, peeling and half-cut operation. This high performance ACF dispensing system has the ability to handle both single and double ACF protective layer. The integrated universal ACF collet is also compatible with a wide variety of ACF.

Key Features

- Integrated with high accuracy constant heat controller
- High performance system that handles single or double ACF protective layer
- Half-cut mechanism
- Universal ACF collets and guides applicable to a wide variety of ACF
- 100 programmable profiles can be stored electronically

Applications

Applying of ACF onto PCB, LCD and Flex Circuits

Specifications

Heating Method	Constant Heat Constant Heat
Power Requirement	220VAC +/-10%, 50/60 Hz, 1.5kVA
Operating Ambient	23°C +/-5°C, 40 to 100% humidity, no significant dust
Supply Pressure	Filtered Clean and Dry Air, 5 – 7kgf/cm ²
Programmable Profiles	100
Work Table Size	120mm x 120mm
Work Area	Diameter 334mm
LCD Panel Size	100mm (L) x 90mm (W)
Dimensions	600mm (L) x 780mm (W) x 1350mm (H)
Constant Heat Specifications	
Hold Temp	30°C to 250°C
Hold Period	0.1 to 25 seconds at 0.05 seconds accuracy
ACF Delay to Peel	0 to 5 seconds
ACF Tape Advance	2mm to 80mm at 0.1mm interval
ACF Width	1.0mm to 8mm
ACF Type	2 layer / Single Protective Layer
ACF Cutting Method	Half Cut
ACF Placement Accuracy	+/- 0.1mm
Heater Block Specifications	
Bonding Force	(0.5kg to 5kg) ±0.1kg; (5kg to 25kg) ±0.15kg
Heater Block Size	5~80x1.0mm or 5~50x8mm
Thermocouple Type	K Type
Silicon Rubber Specifications	
Silicone Rubber Indexing	Motorised / Fixed (hook-on method)
Silicone Rubber	12.7mm(W) x 0.45mm(L) x 300mm(L)

Specifications are subject to change without prior notice