



MODEL TK-1 SOLDER PASTE TACKINESS TESTER

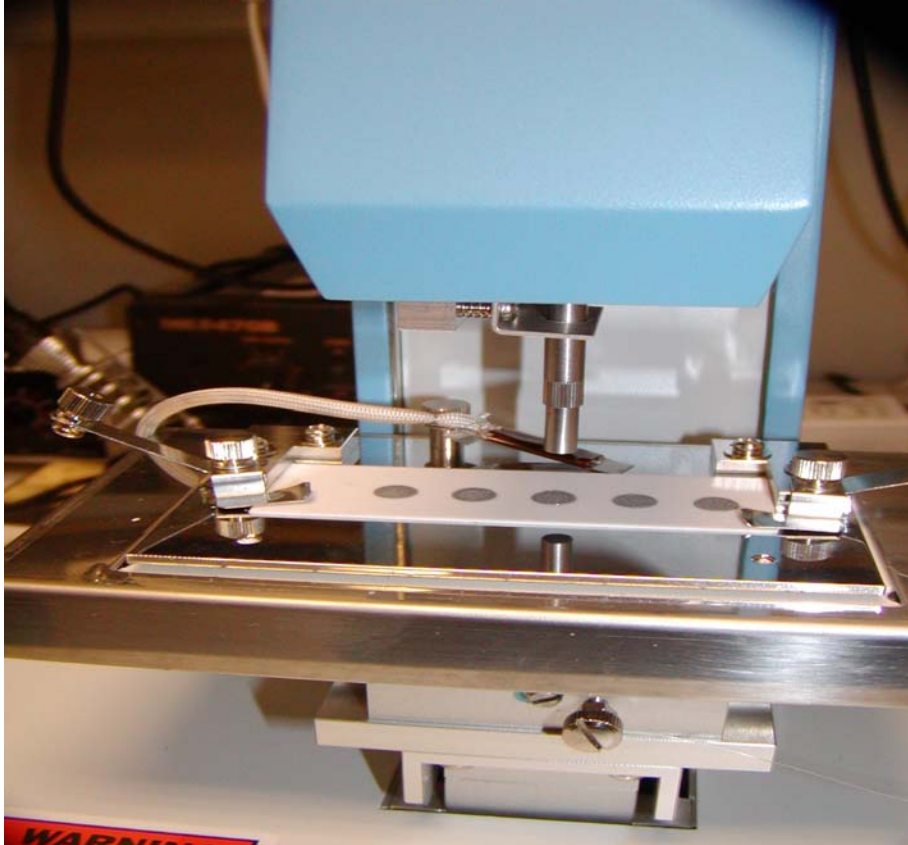


Prevent Component Dropping



Features and Benefits:

- Quantifies solder paste and glue tackiness
- Determines component drop time, thus reducing costly reworks
- Three testing methods available
- User-variable measurement conditions (time, preload, depth and speed)
- Digital display of measured tackiness, real preload and real insertion depth



Solder Paste printed on ceramic tile and Bottom heater



Three Methods of Measurement:

Proper measurement of the true tackiness of a solder paste requires a testing sequence, which closely simulates the operation of a chip mounter. The testing method should be performed (1) at a high speed, (2) with continuous loading and (3) for a short duration. The JIS standard method for tackiness testing does just that. To maintain worldwide compliance, the TK-1 also executes the IPC standard test method for tackiness. Additionally, Malcolm's own *Insertion Depth Method* provides an alternative testing procedure to compliment the others.

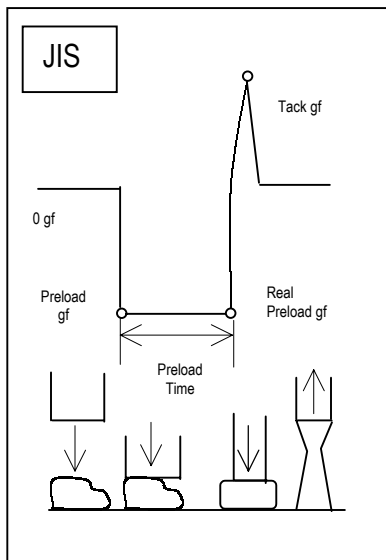


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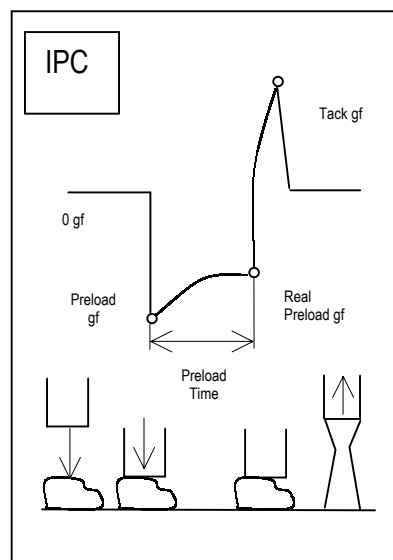


Specifications

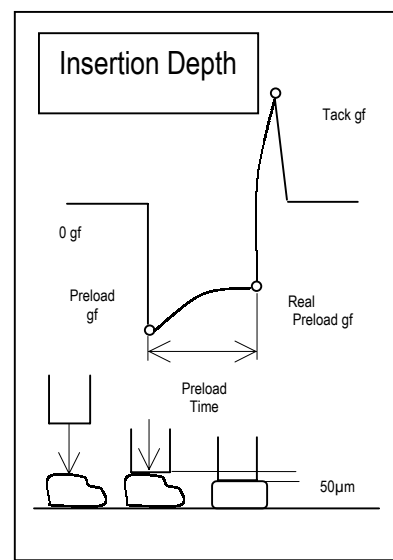
Sensor Range:	0 ~ 500 gf
Sensor Resolution:	1 gf
Measurement Methods:	Continuous Preload, JIS Point Pre-load, IPC Insertion Depth
Parameters Measured	Tackiness: 0 ~ 500 gf Preload: 0 ~ 500 gf Insert Depth: 0 ~ 500 gf
Preset Ranges	Tackiness: 0 ~ 500 gf Preload: 0 ~ 500 gf Insert Depth: 0 ~ 500 gf
Software:	TKW-1 Software is a Windows-based, easy-to-use data Collection and management tool for Model TK-1.
Outputs	Analog: 1 gf/10mV Digital: RS-232C
Accessories:	Hand Printer with 0.2mm Mask Test Piece, 5.1 mm dia. probe
Heating Plate:	0°C - 200°C



Preload Time	0.2 seconds
Preload Set	50 gf
Insertion Speed	2.0 mm/sec.
Retraction Speed	10 mm/sec.



Preload Time	5.0 seconds
Preload Set	300 gf
Insertion Speed	2.5 mm/min.
Retraction Speed	2.5 mm/min.



Preload Time	0.2 seconds
Preload Set	10 gf
Insertion Depth	50 µm
Retraction Speed	10 mm/sec.



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