

BKD-10

Test & Taping Machine BKD-10

KOMFI[®]
ALL ABOUT MACHINES



Test & Taping Machine BKD-10 ■

The purpose of the machine is the separation, bending, testing and taping of tantalum chip capacitors.

THROUGHPUT: UP TO 18 000 PARTS PER HOUR

Features:

- THE COMPONENTS COME ON DOUBLE ROW LEAD FRAMES WITHIN DOUBLE-PACK MAGAZINES
- THE LEAD FRAMES ARE COMPLETELY WORKED UP MEANING THAT ONLY EMPTY LEAD FRAMES WILL LEAVE THE MACHINE
- FOR SORTING THE MACHINES IS EQUIPPED WITH TWO TAPING MODULES (TWO QUALITIES), TAPING TO BLISTER TAPE AND TWO ADDITIONAL BINS FOR OTHER PURPOSE
- THE LEAD FRAMES ARE TRANSPORTED TO A CUTTING STATION WHERE THE CHIPS ARE CUT OUT OF THE LEAD FRAME
- AFTER CUTTING THE CHIPS ARE BENDED. THE BENDED TERMINAL SHAPE AND DIMENSIONS ARE CHECK BY A VISUAL SYSTEM
- AFTER BENDING THE CHIPS ARE ELECTRICALLY MEASURED
- ACCORDING TO THESE CHECKS/MEASURING THE MACHINE DECIDE WHAT TO DO WITH EACH COMPONENT: PUT IT IN TAPE "1", PUT IT IN TAPE "2" OR OUT IT IN ONE OF BINS
- MACHINE OUTPUTS ARE PLASTIC BLISTER TAPES WIDTH 8 OR 12 mm WIDTH COMPONENTS COVERED BY PLASTIC TAPE WITH HEAT ACTIVATED GLUE

ADVANTAGES

1. Trim and form of capacitor terminals:

- a. easy adjustable trimming of each terminal
- b. easy adjustable forming of terminal, suppressing of component length tolerances in range 0,05 mm

2. Measurement with or without BIAS 2V; Kelvin contacts, clearly marked measurement cables and terminals:

- a. C and DF or ESR measurement
- b. five free measurement positions applicable for:
 - leaking current measurement
 - impedance measurement

3. Camera check of:

- a. terminal bent dimensions
- b. component top view

4. Sorting:

- a. two taping units
- b. two bins

5. Taping:

- a. plastic carrier tape width 8 and 15 mm with component pitch 4 or 8 mm
- b. heat activated cover tape width 5,5 and 9,5 mm
- c. adjustable position of sealing head
- d. adjustable sealing temperature
- e. adjustable sealing time
- f. adjustable sealing pressure

6. Reeling into reels of diameter 7, 13 or 15 inches

MACHINE DESIGN

1. in accordance with CE requirements
2. ergonomic design, low noise generation
3. easy accessible and removable parts and units depended on processed capacitor size
4. all exchangeable function units are connected throw connectors
5. all units easy adjustable
6. power supply:
 - a. electrical – 230/400 VAC, 3P+N+PE, 50 HZ, TN-S – 2kVA
 - b. pressed air – 0,5 Mpa
 - c. vacuum

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