

Topload Tester

(Body bending tester)

Model EH-1000



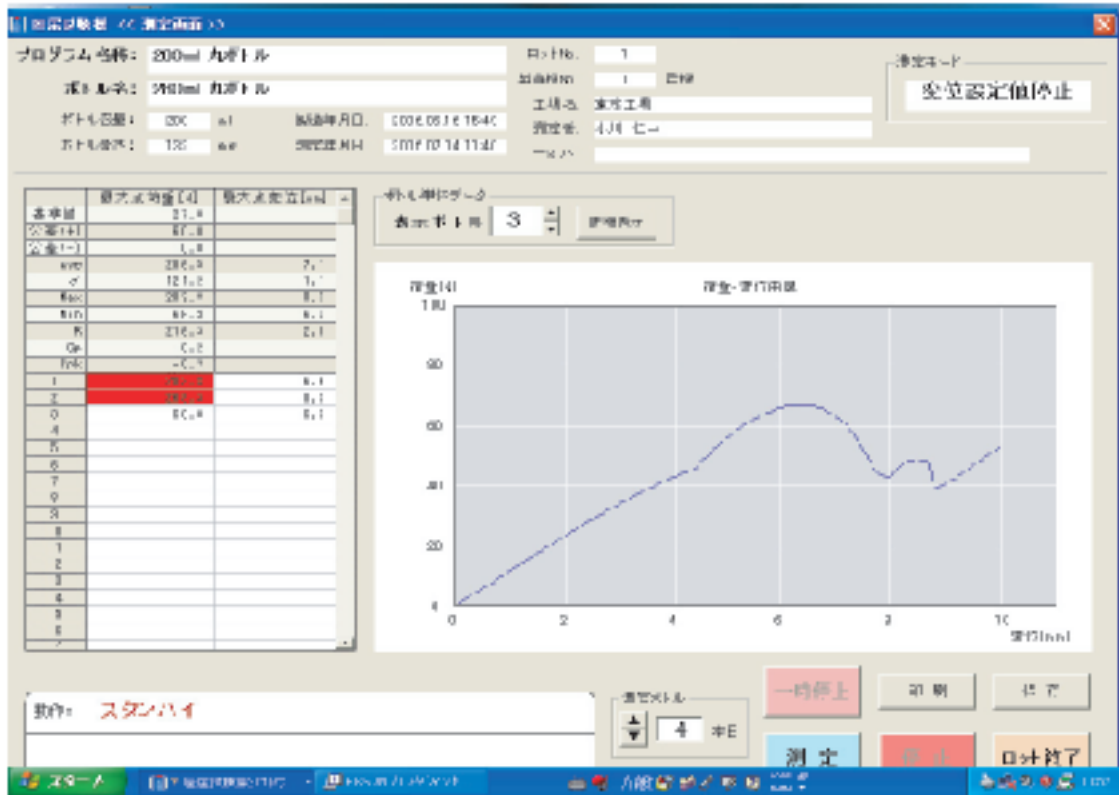
General

This equipment is measuring the maximum load and displacement of body bending and displaying the real-time data on computer display and total up the data. It is possible to measure automatically with robot I/O signal (Option at order)

Characteristic

- 1 Measurement mode selection
 - ①Initial maximum body bending load and displacement
 - ②Maximum body bending load and displacement within setting displacement
 - ③Initial body bending load and displacement within setting displacement
- 2 Real-time data display
 - ①Load bending (Kgf·N) ②Displacement (mm) ③Measurement progress chart drawing
 - ④Total up and decision for standard value
- 3 Easy bottle exchange
 - ①It is possible measurement condition register of 100 model bottles
 - ②Exchange bottle model and measurement condition by section of registered measurement condition
 - ③Any measurement of load speed (1 - 300mm/minute, 50mm/minute at shipment)

Sample test result drawing



Specification

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|---|---------------------|--|----|-----------------|--|
| 1 | Target bottle | 200 - 2000ml (PET bottle) | 6 | Size, Weight | W900 × H1850 × D700mm, 70Kg max. |
| 2 | Maximum load | Load cell 785N (max) (80kgf) | 7 | Data output | CSV form |
| 3 | Displacement stroke | MAX 220mm | 8 | Line voltage | Selectable 100/120/220/240V 50/60Hz |
| 4 | Displacement speed | 1 - 300mm/minute (50mm/minute at shipment) | 9 | Safety function | Test is stopped at over load of load cell and detection wrong bottle height For example, 500ml(205mm height) for 280ml (130mm height) measurement condition Detection head is stopped detection of up and down limit Test is stopped at motor error Equipment is stopped at emergency stop switch [ON] |
| 5 | Measurement mode | Initial maximum body bending load measurement It is stopped the test when detect initial maximum body bending load Data is held displacement when detect maximum load Maximum body bending load measurement within setting displacement It is loading to setting displacement position (compress the bottle during body bending) Initial body bending load measurement within setting displacement It is loading to setting displacement position (compress the bottle during body bending) It prescribes load value initial body bending load displacement position within setting displacement. Holding that displacement position. | 10 | Interface | Correspond to automatic equipment I/O signal |

Other products

Bottle sink (Bottle bottom height measurement)
 Bottle & Preform mouth dimension measurement
 Infrared thermometer for bottle preform
 Body outline measurement
 Storage static image (GRS)

Bottle withstand pressure measurement
 Bottle thickness automatic measurement
 Bottle can mouth dimension measurement
 Bottle height, body diameter measurement
 Decrease withstand pressure measurement

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