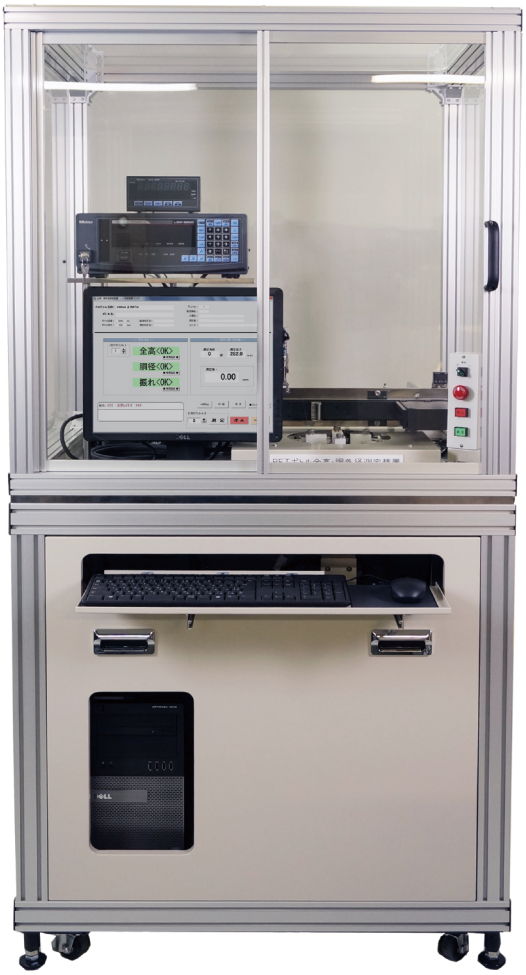
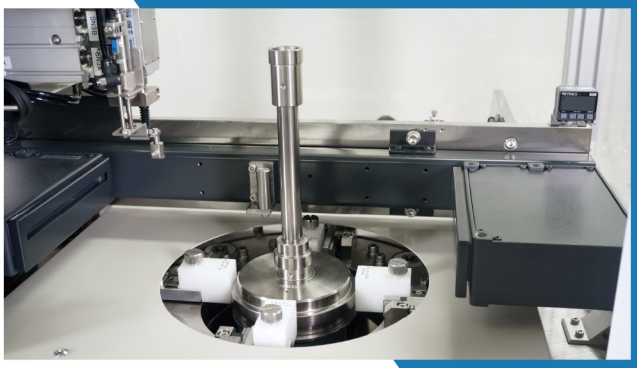
Model: EH-2000

Bottle Height Body Diameter Swing Measurement Equipment





General

This equipment is automatically measuring the PET bottle body diameter, height, neck swing and display the real-time data on computer display and total up the data. It is enable to measure together with other measurement equipments to use the robot.

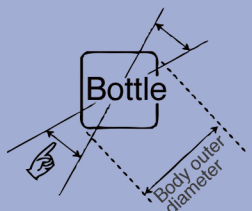
Characteristics

This equipment is available in the following 8 items to correct measure the body outer diameter.

1. MAX mode: Data output for maximum data of setting angle range at any point
2. MIN mode: Data output for minimum data of setting angle range at any point
3. Normal mode: Data output of the setting angle after set the bottle

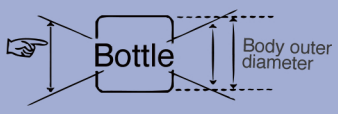
MAX mode

Maximum data display in this area setting any angle



MIN mode

Minimum data display in this area setting any angle



Specifications

1.	Measuring system	①Body outer diameter : Laser.non-contact method ②Total height 2 Linear gauge.non-contact ③Incline : Laser.non-contact method
2.	Measurement method	Body outer diameter: ①Nomal mode : ②MAX mode : ③MIN mode
3.	Measurement size	Height : 50 - 320mm Outer diameter : 50 - 120mm
4.	Measurement accuracy	①Body outer diameter / Height: σ5 μm max. for 10 times of repeated master gauge measurement ②Swing: σ± 20 μm max. for 10 times of repeated master gauge measurement (Height 280mm position) ③Depends on molding condition for the bottle
5.	Measurement range measurement point	①Body outer diameter, height, circumference angle Setting height: 1-50 points / Setting circumference angle: 1-12 points ②Height: 1 - 8 points at any angle position from bottle top surface ③Swing: 2 - 12 points at any height
6.	Measurement time	Depends on measurement setting condition (measurement point) Example : 10 body outer diameter, 4 height, 8 incline ⋯ about 60 sec.
7.	Continuous Measurement number	100 pieces
8.	Measurement requirement set up	Max.100 types (model) setting condition save
9.	Data representation	Second decimal places (###.##) Note: Round off to two decimal places
10.	Data output	Text file, CSV form
11.	Data total up	Average, maximum, minimum, standard deviation (σ)・R・Cp・Cpk
12.	Re-measurement Function	Available
13.	Print	A4 size
14.	Interface	RS-232C
15.	Computer	Microsoft Windows 7
16.	Environment temperature	10-40℃
17.	Environment humidity	20-80℃
18.	Operation Environment	Without Dew forms, dust, corrosion gas
19.	Size	W900xH1850xD700mm
20.	Weight	350Kg max.
21.	Power consumption	300W
22.	Utility	①Selectable AC100V ±10% 50/ 60Hz ②Air : 0.4 - 0.5Mpa min.(One piece)
23.	Accessory	Tool for setting center of bottle, calibration gauge

Other products

- ☐ Bottle sink (Bottle bottom height measurement)
- ☐ Bottle pressure-resistant measurement
- ☐ Bottle thickness automatic measurement
- ☐ Bottle can mouth dimension measurement
- ☐ Bottle height・body diameter measurement
- ☐ Topload tester (Load deformation test equipment)
- ☐ Bottle & Preform mouth dimension measurement
- ☐ Infrared thermometer for bottle preform
- ☐ Body outline form measurement
- ☐ Static image storage (GRS)

Sale・Project・Maintenance

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