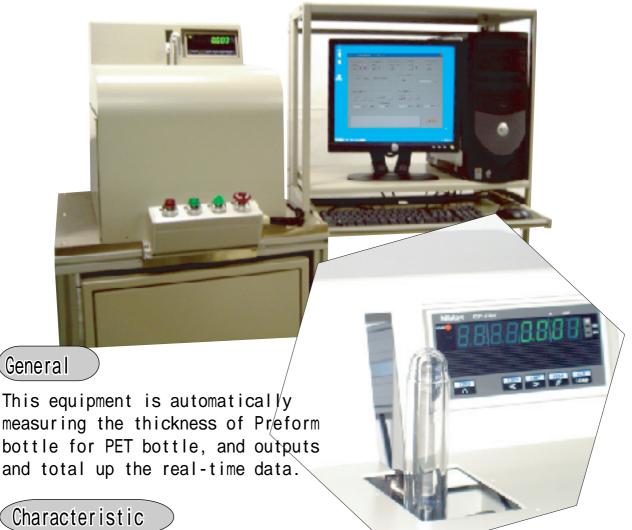
Preform Automatic Thickness Measurement Equipment (Contact Method)

Model ME-5000



Characteristic

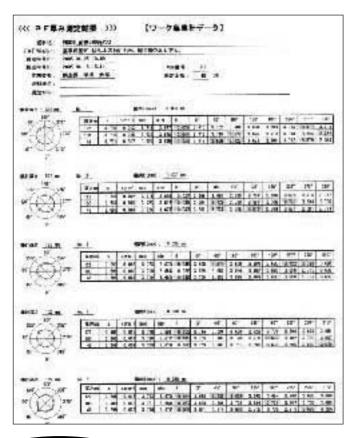
This equipment was developed for Preform PET bottle only and it is within 5 µm measurement accuracy by contact method (repeated accuracy at the fixing Preform).

* It is within 4 µm repeated measurement accuracy for 10 times gauging at fixed point.

Measuring Method

Contact method, it is measuring the thickness on height and circumference at any points by linear gauge.

Sample Data



15,000	10 1	44	HER.						_				
E CONTRACTOR OF THE SECOND SEC	re _	M. B. S.				884		<u>s</u>					
MH.	K 2 .	122 m		476 14	013	_	5 1					0.00	- 15
84	100	ARKE	101	47		*	20	100	140	107	187	THE.	2
	-	100	-		-	6.98	1.763	0.670	4 (1)	4.21	1.03	4.58	4.7
read.	-	-	-		-	160	1,24	0.04	4300	4.61	1 284	4.28	L.
***		-		-	-	4.80	1.00	4 800			118	470	10
115	-	-	-	-	_		1.167	4.13	4.13	1.31			11
115	-		-	-	-	410	1.00	- 114	140	1.81	1.5%	2.00	13
-			-	-	-	1.10	1112	124	119	C W.	186	1 Die	М
30	2.00	2.00	TIC.	6.101	0.764	4.93	6.714	4.51	4.44	1.61	126	1.20	1.7
4	4.81	2.5	1.5	4 101	4.00	4.801	5.7%	4.81	4.96	1.1	1.40	140	1.3
-	4 92	4.68	111	4.31	2.50	4.91	6.180	1.701	3.29	1.00	1.79	4.80	133
	4.4	224	+ 16	1.121	610	400	4 500	1.7/	4.25	1.0	(1E	1.39	1.7
1	4.51	+ 65	4.78	4.11	0.80	416	4,16	1.36	4 706	1.71	6.37	122	12
4	4 De	2.93	4.18	4111	0.001	4.00	4.76	4.27	4 98	4.650	4.40	1.81	153
1	136	0.63	4.00	4 10	965	4.91	4.382	1.36	4.70	1,100	+48	4 17	4.0
T	4 361	10.67	4.09	0.565	0.80	4.104	4,308	1.34	1.3E	1,11	4.18	1.72	1.53
	1.04	1000	4.59	1.114	0.08	1,19	4.365	1.90	4.87	1.76	4.40	11/2	1.6.2
1	1.25	0.03	4.39	1100	0.03	413	4.345	1,000	+127	1,30	4.144	4.50	153
1	170	301	1.26	1,166	2.95	F122	1,37	1.34	4.707	1.70	4.98	0.79	61
2	1.33	2.03	3.50	1.00	1182	4.46	1,200	120	4.87	1,000	4.00	3.10	
4.	1.86	330	4.41	1.136	2.03	1.25	4.50	101	44	4 14	4.63	4.56	5.5
	1.00	1140	4.00	1.53	3.00	1.121	4.50	141	4.004	4.59	3.70	4.96	61
	3.3%	3.28	4.21	122	1.08	1.126	1.3.2	1,276	148	4.75	4.301	4.00	9.
1	1100	4.4	130	123	1.08	1.02	1.35	1,558	4.51	+ 0	4.44		
2	1,39	2.3	4.20	100	100	1.52	1.44	1.76	4.80	4.19	4.91	4.140	1
+	126	2.00		1.72	200	634	430	1.560	4 41	4 18	4.97	418	143
8	128	370	4.20	122	1/30	tel	+ 67	1.64	4.204	618	1.101	4.101	14
AL.	1.24	1,000	4.31	120	2.28	1,795	1 50	3.547	4.3.1	4 147	4 81	4.7	10
76	(1.0)	11.4	4.27	4.28	3,00	1.040	1.90	1.35	4.88	4.181	4.81	4.50	140
22	1.56	3.80	4 91	1.20	1.0%	634	1.22	1.35	4.147	15.0	421	4.000	130
28	1.19	3.04	4.75	4.45	1.35	1,23	4.60	1,72	4.100	6.24	1.2	4.18	140
5	1.540	14.14	4.61	1.45	3.36	150	LAL	120	4.143	4.10	Lk:	4.10	14.
25	1.1.500	2.71	7.00	1.75	6.60	1 100	0.04	4.786	4.345	4.46	131	43%	1.
D	1.36	2.73	4.21	1.72	2.78	3.74	8.00	100	1.4.75	4.84	1.01	4.00	13
8	1.264	2,14	120	1.72	4.19	1.75	1.85	1.31	4.154	4.79	4.82	4.8	1
3	126	3.50	420	1.34	1.28	1.26	9.04	150	4.81	4.75	1.30	4.76	1.
41	1.20	331	1.31	1.28	2.20	126	1.80	1.75	4.16	4.79	4.75	4.18	13
2	1.00	100	4.41	1.46	379	120	1.39	1.76	4.95	4.30	4.97	4.00	1
**		3.04	4.26	1.79	100	114	1.70	135	4 54	4.36	1.81	418	123
4	1.30	1.00	4.54	142	113	1000	440	6.756	14	4 30	141	410	12
2	128	201	4.81	1.95	3.040	1,754	430	100	4.50	4100	1.74	4.16	10
28	1,34	3.98	4.24	1.22	3.08	1,53	1.54	128	4.03	4.36	1.21	4.1%	14
10	170	3.0%	421	1.28	109	1.08	12	126	414	4.58	141	4.12	Ti
	134	504	4.28	171	1.00	1177	123	4.78	4 94	4.04	1.41	4.01	4
74	1.04	1.04	4.00	1.40	3,00	343	1.64	1.360	4.90	4.18	1.27	4.179	4
42	1.21	2.01	4.70	1.500	25%	1.794	4.907	0.540	4.70	4.75	4.80	4.18	133
44	1.5	0.005	4.00	1 120	192	A let	4.84	1.76	4.80	4.14	4.01	4 11	10
48	LEI	224	4.50	1.22	5.60	Ultr	4.3:	1.58	4.61	sit	4.00	4.10	143
41 .	4.36	0.0	4.32	1.30	2.04	4.35	4.260	1,53	AE'	1.18	4.971	4 100	4
+1	4.0-1	4 CZ	+ 10	1.03	2.91	4,111	4.31	1.34	4.361	4.74	4.569	4.36	40
45	4.94	0.60	4 19	4 704	4.65	4.50	4.00	1.00	+ 84	4-36	4.84	4.334	47
14	4.6	11.00	4 4	4.00	8.60	4:31	4.23	125	+394	1.17	4.101	5.500	1002
17.	4.03	8.80	+ 1%	4.80	9.60	4.80	4423	1.87	+ 44	1.75	4.96	9.80	45
	4 445	6.87	1.00	4 104	2.00	4.531	4,335	4.306	1.00	1.16	+16		

Specification

1	Target Preform and material	280ml ~ 2.0L PET • PE • PVC • PEN • PP • others		Measurement range	10mm from under neck ring, 10mm from bottom			
2	Measurement	Contact special measuring head (linear gauge)		Measurement point	Height direction: 1 – 15 points (1mm step at any positions) Circumference direction: 1– 16 points			
	Preform size	orm size Max. height:L160mm			(1mm step at any positions)			
		Min. height:L90mm	8	Data output	Text file, CSV form			
3		Max. outer diameter: 30mm (excepts neck ring out diameter)	9		RS-232C			
		Min. outer diameter: 20mm (excepts neck ring out diameter)		Interface				
		Max. inner diameter: 22mm						
		Min. inner diameter: 12mm	10	Size, Weight	W600×H1195×D600mm, 100Kg			
4	Measurement thickness range	1.5~6.0mm		D	11011 (11.1.1.1.1.0.1.1.2.1.1.1.1.1.1.1.1.1.1.1			
	Measurement	±4µm for 10 times repeated gauging	11	Power consumption	1KW max. (Main body, Computer, Printer)			
5	accuracy	±5µm for repeated gauging of same measurement		oonoumpt for				
		position of preform (condition at completed fixed the bottle)	12	Line Voltage	Selectable 100/120/220/240V 50/60Hz			

Other products

Bottle sink (Bottle bottom height measurement)

Bottle pressure-resistant measurement

Bottle thickness automatic measurement

Bottle can mouth dimension measurement

Sale · Project · Maintenance

Bottle height • body diameter measurement Decrease pressure-resistant 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)

The specification and externals might be changed without a previous notice because of the improvement.

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