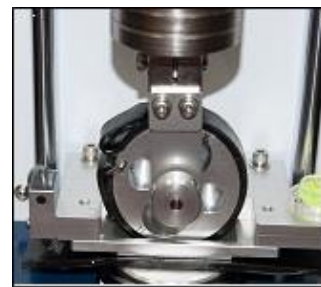


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Sample holder and sample mounting wheel (testing head)



Lever arm to hold sample on the holder

■ APPLICATION

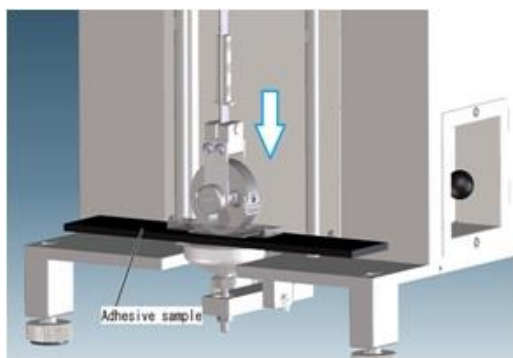
The PICMA Tack Tester is designed to measure the tackiness of rubber and other adhesive materials. This is a desktop-type machine suitable for R&D testing purposes and enables a highly-precise, wide range of test condition settings. Although analog push-pull gauges were used on the old generation model P-1 and P-2, a digital load cell is used on the model P-3. The optional high-precision load cell enables the machine to measure the strength at a higher resolution.

FEATURES

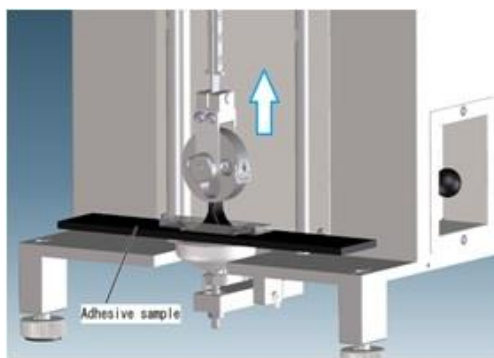
- ✓ Adjustable testing head (sample mounting wheel) lowering speed
- ✓ Adjustable testing head (sample mounting wheel) rising speed
- ✓ High resolution measurement using load cell
- ✓ Adjustable applying force
- ✓ Sample surface temperature sensor (Optional)
- ✓ Data export software (Optional)

MEASUREMENT PRINCIPLE

Testing head goes down to press sample



Testing head goes up once the sample is pressed



EXAMPLE OF MINI PRINTER OUTPUT (OPTION)

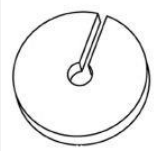
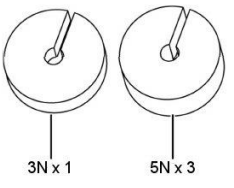
TESTNo.	DOWN_SP	UP_SP	TIMER	WEIGHT		
001	HIGH	3000	99.9	20		
N=1 N/TE	N=2 N/TE	N=3 N/TE	N=4 N/TE	N=5 N/TE	AVE N/TE	MED N/TE
30.60/20	30.00/19	30.00/18	30.01/19	30.00/20	30.12/19	30.01/19
TESTNo.	DOWN_SP	UP_SP	TIMER	WEIGHT		
002	HIGH	3000	03.0	5		
N=1 N/TE	N=2 N/TE	N=3 N/TE	N=4 N/TE	N=5 N/TE	AVE N/TE	MED N/TE
01.80/21	06.88/21	03.59/21			04.09/21	03.59/21
TESTNo.	DOWN_SP	UP_SP	TIMER	WEIGHT		
003	HIGH	3000	03.0	5		
N=1 N/TE	N=2 N/TE	N=3 N/TE	N=4 N/TE	N=5 N/TE	AVE N/TE	MED N/TE
2.51/22	Err/21	03.59/21			Err/21	Err/21
.						
.						
.						
TESTNo.	DOWN_SP	UP_SP	TIMER	WEIGHT		
255	HIGH	3000	99.9	20		
N=1 N/TE	N=2 N/TE	N=3 N/TE	N=4 N/TE	N=5 N/TE	AVE N/TE	MED N/TE
30.60/20	30.00/19	30.00/18	30.01/19	30.00/20	30.00/20	30.00/20

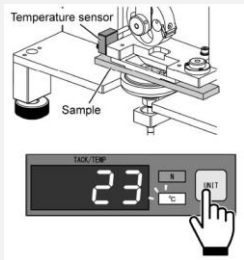
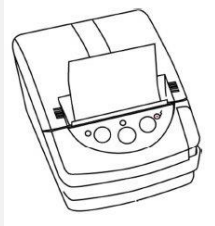
■ SPECIFICATIONS

Model	P-3
Measurement method	Load cell (Capacity 100N)
Measurement range	0 - 30.0N (Resolution 0.1N)
Applying force (load weight)	2 - 5N (Standard) 2 - 20N (Option)
Number of repeated measurements	1, 3, 5 (Selectable)
Dwell time	0.0 - 99.9 sec. (0.1 sec. steps adjustable)
Sample mounting wheel lowering speed	(1) HIGH 1000mm/min. / LOW 60mm/min. (2) HIGH 500mm/min. / LOW 60mm/min. (to be selected upon order)
Sample mounting wheel rising speed (Separating speed)	(1) Low speed range : 5 / 7.5 / 10 / 15 / 20 / 25 / 30 / 50mm/min. (≒ P-1) (2) High speed range: 100 / 500 / 700 / 1000 / 1250 / 1500 / 2000 / 3000mm/min. (≒ P-2) (3) Wide speed range: 5 / 10 / 50 / 100 / 500 / 1000 / 1500 / 3000mm/min. (to be selected upon order)
Sample mounting wheel drive system	Servo motor
Tackiness indicator	7seg LED
Interface	RS-232
Electrical	Single-phase, AC100-240V, 50/60Hz, 0.3kVA
Dimensions	W300 x D330 x H510mm
Net weight (approx.)	18kg

■ ACCESSORIES & OPTIONS

● Included ○ Option

Name	Model (Part No.)	Photo	P-3
Weight, 1N	----		●(x1)
Weight, 2N	----		●(x1)
Additional weights option ● 3N x 1 ● 5N x 3	WE-20		○

High resolution load cell option ● Capacity: 100N ● Measuring load range: 0.00 to 30.00N ● Resolution: 0.01N	HSRC-1		○
Specimen surface temperature measurement option ● Thermopile radiation thermometer sensor (Implemented in the body) ● Measurement range: 5 to 40°C (Resolution: 1°C) <i>Note: This sensor is adjusted to the radiation rate of rubber (≈ 0.95). Temperature of materials with a different radiation rate cannot be correctly measured.</i>	ST-2		○
Mini printer	PS-B1		○
Data export software for spreadsheet <i>Note: Spread sheet application is not included</i>	EX-2	-----	○
Stainless steel made flat surface indenter	SFP	-----	○
Power cord, Type B (For Japan)	-----	-----	● (x1)
Power cord, Type B (For USA etc.)	AC-U	-----	○
Power cord, Type F (CEE7/4, For Germany etc.)	AC-C	-----	○
Power cord, Type F (For South Korea)	AC-K	-----	○
Power cord, Type G (BS1363, (For UK etc.)	AC-B	-----	○
Power cord, Type I (For China)	AC-G	-----	○

Specifications are subject to change without notice.



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