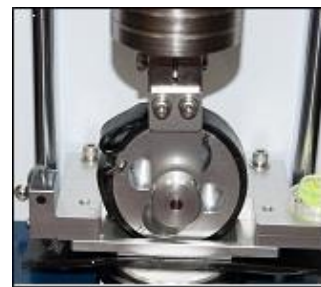


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Specimen is set on the mounting wheel



Lever arm is used to hold sample on the holder

■ APPLICATION

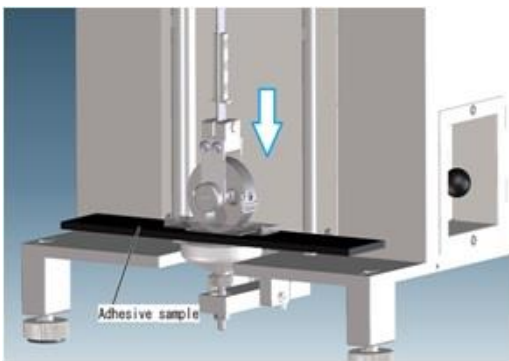
The PICMA Tack Tester is designed to measure the tacking strength between unvulcanized rubbers, between unvulcanized rubbers and other materials, and of other adhesive materials. This is a desktop-type machine suitable for R&D testing purposes and enables a highly-precise, wide range of test condition 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

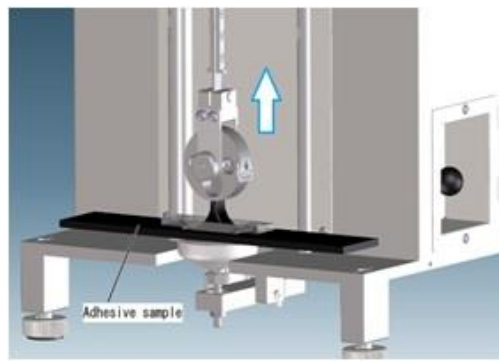
- Lowering the specimen mounting wheel at a constant speed with the motorized system (The lowering speed can be set 1000mm/min. or 60mm/min.)
- Stopping the motor automatically once the indenter goes down to press samples
- Selecting the wheel pressing time between 0 to 99.9 seconds
- Raising the motorized specimen mounting wheel automatically upon the completion of the preset pressing time.
- Selecting the raising speed of the specimen mounting wheel from eight choices.
- Setting samples without tilting the machine when setting samples.
- Measuring the tackiness of samples with the optional high-precision load cell
- Measuring the temperature near the specimen surface, which influences the tackiness of specimens (Optional)
- Sending the readings to the optional printer

MEASUREMENT PRINCIPLE

Indenter goes down to press samples



Indenter goes up once the sample is pressed



EXAMPLE OF MINI PRINTER OUTPUT (OPTION)


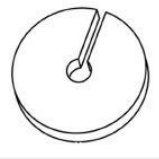
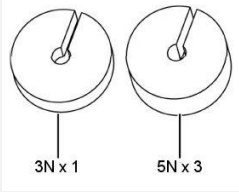
TESTNo.	DOWN_SP	UP_SP	TIMER	WEIGHT		
001	HIGH	3000	99.9	20		
N=1 N/TE	N=2 N/TE	N=3 N/TE	N=4 N/TE	N=5 N/TE	AVE N/TE	MED N/TE
30.60/20	30.00/19	30.00/18	30.01/19	30.00/20	30.12/19	30.01/19
TESTNo.	DOWN_SP	UP_SP	TIMER	WEIGHT		
002	HIGH	3000	03.0	5		
N=1 N/TE	N=2 N/TE	N=3 N/TE	N=4 N/TE	N=5 N/TE	AVE N/TE	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

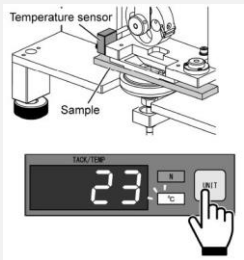
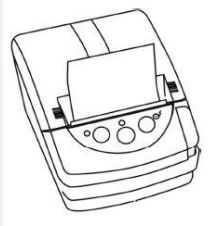
■ SPECIFICATIONS

Model	P-3
Measurement method	Load cell (Capacity: 100N)
Measuring load range	0.0 to 30.0N (Resolution: 0.1N)
Pressing load (Dead weight)	2 to 5N (Standard) Max. 20N (Optional)
Number of times to perform measurement (N)	1, 3, 5 (Selectable)
Pressing time	0.0 to 99.9 sec. (0.1 sec. steps)
Specimen mounting wheel Down speed	Can be set "LOW" or "HIGH" ■ LOW (60mm/min.) ■ HIGH (1000mm/min.)
Specimen mounting wheel UP speed (Separating speed)	To be selected upon order ■ Wide speed: 5, 10, 50, 100, 500, 1000, 1500, 3000mm/min. ■ Low speed : 5, 7.5, 10, 15, 20, 25, 30, 50mm/min. (≒P-1) ■ High speed: 100, 500, 700, 1000, 1250, 1500, 2000, 3000mm/min. (≒P-2)
Specimen mounting wheel drive method	Servo motor
Tackiness indicator	7seg LED
Interface	RS-232 x 1
Power requirement	Single-phase, AC100 to 240V, 50Hz or 60Hz, 0.5kVA
Dimensions	W300 x D330 x H510mm
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 transfer software for spreadsheet <i>Note: Spread sheet application is not included</i>	EX-2	-----	○
SUS 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.



TOYO SEIKI SEISAKU-SHO, LTD.

5-15-4, Takinogawa, Kita-ku, Tokyo 114-8557, Japan
Tel: +81-3-3916-8183 Fax: +81-3-3916-8173
www.toyoseiki.co.jp

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