

SPECIFICATIONS

Main unit (Tensile tester)	Capacity	: Less than 700N
	Tensile (Test) speed	: 5 to 500mm/min 13 steps
	Return speed	: Maximum 1500mm/min
	Speed accuracy	: ± 0.5%
	Effective stroke	: Approx. 650mm (Option : approx. 850mm)
	Stroke indication	: Maximum 999.9mm digital indication (Resolution 0.1mm)
	Stroke limiter	: Upper / lower limiting switch
	Lead screw	: Ball screw mono carrier system
	Driving motor	: AC servo motor
Measuring unit	Load cell	: 500 or 1kN (Selection) : In case of 500N : 500(× 1), 250(× 2), 100(× 5), 50(× 10), 25(× 20)
	Load range	: In case of 1kN : 1000(× 1), 500(× 2), 200(× 5), 100(× 10), 50(× 20) * Auto range function
	Load indication	: Digital indication, resolution 1/2000 or 1/2500
	Load accuracy	: ± 1% (20% or more of each range full scale)
	Zero correction	: Auto zero correction
	Sag correction	: Auto sag correction
	Pneumatic chuck	Capacity : 1kN Grip dimension : 30(W) × 24(H)mm Pneumatic required : 0.4MPa
Thickness measuring unit	Thickness gauge	: Digital thickness gauge
	Resolution	: 1/100mm
	Accuracy	: ± 1/100mm
	Measuring points	: 3 points
	Presser foot	: φ 5mm, 44g
Bench mark tracer	Tracing system	: Contact type (Option : Non contact CCD type)
	Bench mark length	: 20 or 25mm (Other specifications are accordance with discussion)
	Tracing speed	: Maximum 500mm/min
	Effective stroke	: Approx. 500mm
Automatic specimen feeder	Capacity	: Maximum 120pcs (N=6 × 20trays)
	Test specimen	: ISO37 Type 1 or Type1A (Selection) (Other specimens are accordance with discussion)
Data processing	Configuration	: Personal computer, Display, Printer, Computer rack, Software
	Test condition	: Date, Measurer, Temperature, Humidity, Test condition, Lot, Grade
	Data processing	: Tensile stress, Elongation, Tensile stress, Tensile stress at break, Elongation at break, Elongation at a given stress, Stress at a given elongation, Tensile stress at yield, Elongation at yield, Maximum value, Minimum value, Average, Median, Standard deviation
Utility	Power supply	: AC100V, Single-ph, 50/60Hz, 5A
	Pneumatic	: 0.5MPa, Flow rate : 40ℓ/min (Clean air)
Dimension and Weight	Dimension	: Main unit : Approx. 800(W) * 760(D) * 2240(H) : PC rack for PC and Printer : Approx. 800(W) * 600(D) * 550(H)
	Weight	: Approx. 200kg

No.211

STROGRAPH AE

Full automatic tensile tester for elastomer

For Rubber & TPE



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The content may be changed for improvement

TOYOSEIKI

Full automatic tensile tester



STROGRAPH AE
Elastomer

Efficiency up

Save man power
Save testing time

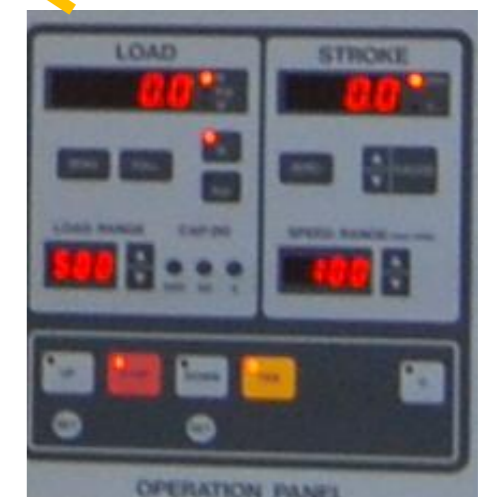


Bench mark tracer

Contacted type
Traced sample bench mark
by direct grip for sample



Specimen tray



Control panel

BRIEF DESCRIPTION

This machine is full automatic tensile tester designed for elastomer such as rubber, thermo plastic elastomer (TPE) and etc by incorporating latest technology. The tray for setting specimen and the specimen feeding system incorporate ideas not found in conventional system and the machine is designed compact taking space in to consideration.

The bench mark tracing device used in this machine is contact type and the arm pressure for clamping at bench mark position can be set to obtain optimum contact pressure according to hardness of specimen.

The machine consists of a specimen magazine, thickness measuring unit, feeding unit, measuring unit bench mark tracing unit, mounting / dismounting unit and data processing unit. By simply setting specimen in the magazine tray, specified process continuously

FEATURES

- (1) Specimen can be set in pull out type tray of magazine.
- (2) Specimen for next test can be set in test-completed tray even during testing.
- (3) Interrup setting of other specimens is possible even during testing.
- (4) Testing time is shortened by high-speed return to original position.
- (5) Clamping pressure of bench mark tracer arm can be controlled according to specimen hardness.