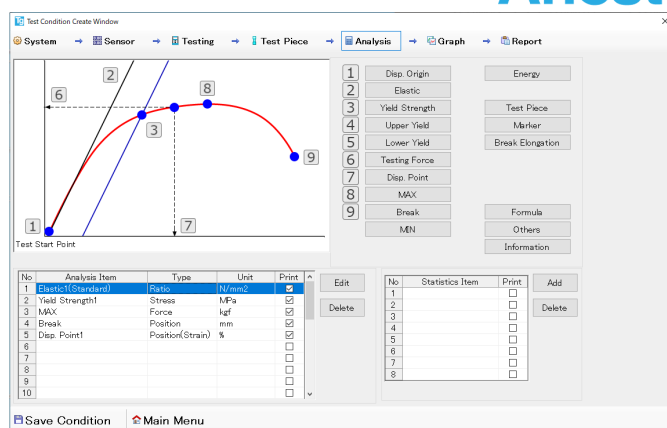


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Features

TgAnest



- Makes creating test conditions even easier

Intuitive setting using graphical display and improved visibility with large-size text.

The test sample dimension input also supports manual input, Excel importing, and electronic micrometer input.

- Quick start function (30 conditions)

Registering frequently used test conditions allows you to move to the test start screen with just one click. The display can be switched between Japanese and English.

- Improved report creation function

Allows titles, test conditions, test samples, graphs (2 types), results, comments, and photographs to be pasted in any location with any size to create reports.

- Sampling rate and test speed can be switched in up to four stages during testing in standard sampling mode.

Sampling rate: Can be set between 10 ms and 10 hours in 10 ms intervals.

Displacement: Can be set between 0.001 mm and 1,000.000 mm in 0.001 mm intervals

- With high-speed sampling (optional), this can be switched in up to three stages during testing.

High-speed sampling of 1 ms, 5 ms, 10 ms, 50 ms, 100 ms or 150 ms can be set in up to three stages.

- Additional tests and results can be reordered.

- Supports tensile, compression, 3-point/4-point bending, and peeling in a single package.

Control conditions can also be created by the user for creep testing, relaxation testing, and automatic load testing.

■ The test of tension, compression, 3 points/4 points bend and peel are totalized in the package. Moreover, the control condition of creep test, relaxation test and automatic load test can be created for yourself.

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Specification

Specification name	Specification contents
System requirements	
Compatible operating	Windows10、Windows11 (*Windows is the registered trade mark in the United States and other nations of Microsoft Corporation)
CPU	Intel Pentium (Dual core or Single core) Clock speed 2 GHz or more
Memory	Windows10 : 2GB or more、Windows11 : 8GB or more
Input device	CD/DVD drive x 1 unit
Output device	USB port (for the standard sampling spec.), Serial port (for the high speed sampling spec.)
Specifications	
Testing types	Tensile, compression, 3-/4-point bending, peeling
Test modes	Single (tensile, compression, 3-/4-point bending, peeling,deflection compensation) Cycle (tensile, compression, 3-/4-point bending) (Optional) Control (tensile, compression, 3-/4-point bending,deflection compensation) (Optional)
Max test capacity	100 batches, 100 sub-batches (max. 10,000 tests per file) * Cycle testing fixed at 1 batch, 1 sub-batch.
Sampling interval	Standard 10 ms to 10 h, High-speed 1 ms to 150 ms
Analysis items	
Tensile test, compression test	Displacement Origin, Elastic Modulus 1~3 points(Standard, Chord, Max. slope,Target), The Maximum Point, The Minimum Point,Break Point, Upper Yield Point, Lower Yield Point, Yield Strength Point, Intermediate Point (10 points each for test force and displacement), Energy, Initial Tension Resistance, n value, Break Elongation,Butt Elongation, Reduction of Area, Poisson's Ratio
Peeling test	Displacement Origin, 1st Peak Point, 1st Bottom Point, The Max. Peak Point, The Min. Bottom Point, Tsetting Forces (1~10 points), Average of Testing Force (2~10 points), Tearing Strength, Peel Force,Integration/Simple/Peak/Bottom/Peak & Bottom/Large & Small Peak 6-Point Average, Static/Dynamic Coefficient of Friction, Average of Collection.
Cycle test	Displacement Origin, Elastic Modulus(Increase/Decrease) 1~3(Standard, Chord, Target), Elastic Modulus Average (Chord, Target),The Maximum Point, The Minimum Point, Max Return Point, Min Return Point, Intermediate Point (10 points each for test force and displacement), Midpoint Average 1~10,Energy (Increase/Decrease, Positive/Negative, Cycle), Hysteresis,Hysteresis Loss, Residual Elongation.
Other functions	Test condition quick start, preliminary cycle, automatic test force cancel, original point detecting function.

*In addition to analysis of 'tensile, compression and three-/four-point bending tests', analysis of 'cyclic tests'

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can also be carried out in control mode.