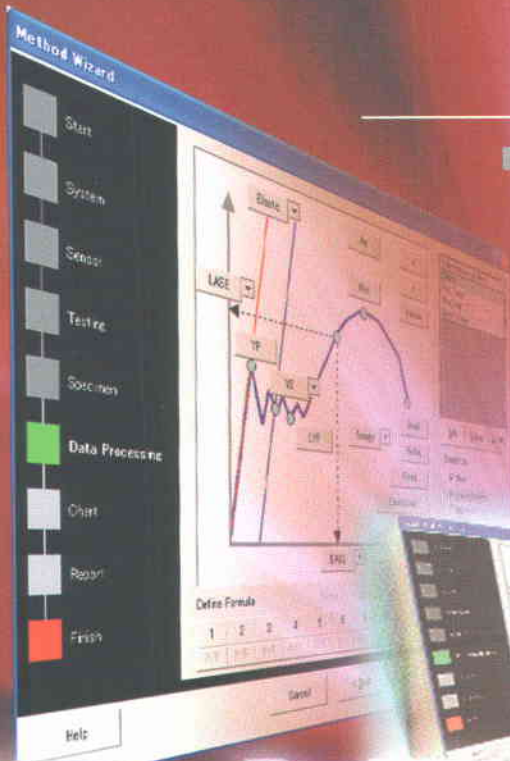


Control and Data Processing Software for Testing Machines

# TRAPEZIUM 2



# TRAPEZIUM 2

Version 2.20  
Copyright 1999 - 2003  
Initializing Login...

Force 0.890 N Stress 0.2965 N/mm<sup>2</sup> Stroke 152.132 mm Stroke Strain 152.1320 %

Speed 500 mm/min  
Current Fallscale 50 (X100)

Stop

Max. 5000

Break 50.00 N

Select Task

Start

Save a Test file

Specimen Sizes

Print

Edit Method and Re-Analyze

Return to Home

Name	Break Force	Break Disp	Elastic	LAGR
Parameter	100 - 200		1 mm - 2 mm	
Units	N	mm	N/mm <sup>2</sup>	N
1-1	83.871	188.640	47.7640	
1-2	94.227	187.582	35.4450	
1-3	83.291	186.377	47.5107	
1-4	102.814	169.147	50.7504	
1-5	102.773	162.331	51.2886	
1-6	91.547	161.682	52.2186	
1-7				
Mean	103.118	162.887	42.4873	

for Windows XP/95/98/Me/NT4/2000

# Software linked with the testing machine in higher order

## TRAPEZIUM 2

Compatible with Windows 95/98/NT4/Me/2000/XP

The Windows based TRAPEZIUM 2 software allows various testing operations from simple test control to complicated control patterns created by the user. With its visual wizard settings and the industry's first operation navigation system, data obtained from the test can be processed based on various standards. Flexible operations such as re-testing and re-analysis, as well as many advanced functions, such as network transmission of measurement data and screen customization, intelligently navigate various strength tests. Display can be changed to Japanese, English or Spanish.

### Compatible with All Testing Machines

TRAPEZIUM 2 is compatible with all materials testing machines. Use it with your current testing equipment.

Testing machine	Shortest sampling interval	Remarks
AG-IS/AG-I/EZGraph/Retrofit to I Controller	10ms (1.25ms) *	
AGS-J/AGS-H/EZTest	50ms	
UH-I/CONCRETO 2000	50ms (5ms) *	
AG-G/AGS-G/Retrofit to G Controller	50ms (5ms) *	Tester options may be required.
AG-E/AGS-D	50ms	Tester options may be required.

\* Shortest sampling interval during high-speed sampling shown in ( ).

## Navigation

### Easy testing using the navigation system

The Navigation Bar selectively displays functions needed for the current operation. Continuous tests can be efficiently carried out by simply clicking the large buttons.

Operating instructions are displayed in the message window.

The buttons change in response to the state of the test. The buttons are displayed in order of relevance. Almost all operations can be carried out by simply clicking these buttons.



Navigation Bar

### Efficient continuous testing begins in 3 steps.

- Testing can be started in 3 steps after the software is booted up.
- No software operation is required during continuous testing.
- Test results are saved automatically.

1 Select method and start test

2 "Select previously set test conditions."

3 Test starts

File Name	Nu...	Test Mode	Data Proce...	Date
Peel.mai	1	Single	Peel	2003/08/02 8:2
Rubber_Tensile.mai	2	Single	Tensile	2003/05/21 4:4
FoamRubber.mai	3	Control	Tensile	2003/05/20 7:4
Cycle.mai	4	Cycle	Tensile	2003/05/20 7:2
SiTipBending.mai	5	Single	3 Point	2003/05/20 7:0
Control.mai	6	Control	Tensile	2000/02/01 12:

Navigation Bar

- Test starts
- Automatic saving
- Report printing

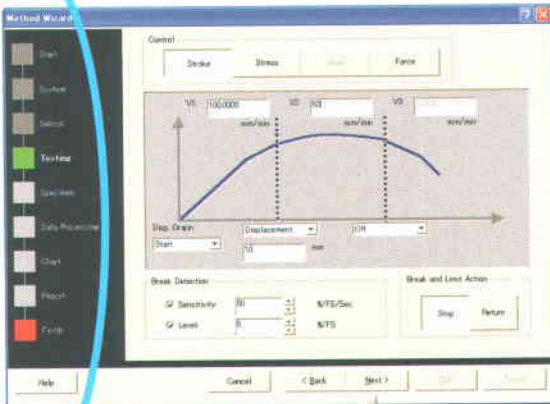
# Visual Wizard

## Visual and easy wizard system

Test parameters can be set easily by displaying the control pattern and data processing items as images.

### Setting the test controls

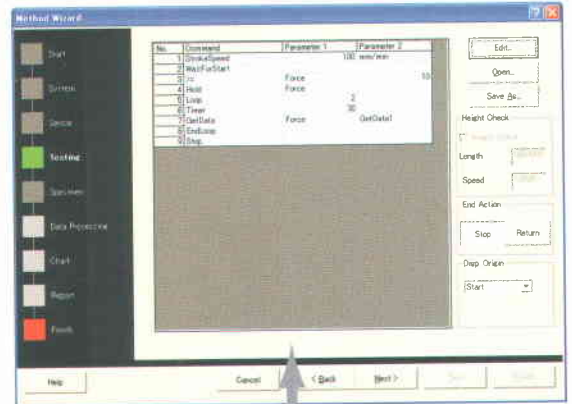
( Easy visual settings for basic tests )



Step-by-step settings using the "Back" and "Next" buttons.

Settings can be made while watching the entire flow of the test. The relevant screen can be called up by clicking on the desired item.

( Control customization using the "control software" for creep tests and other complicated tests. The testing parameters can be easily customized. )

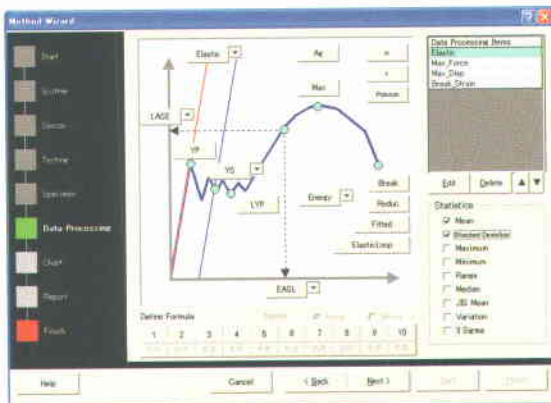


User-defined test control patterns can be created by describing the control process step by step. "Automatic measurement of the specimen height" and other functions allow testing that conforms to various standards around the world.

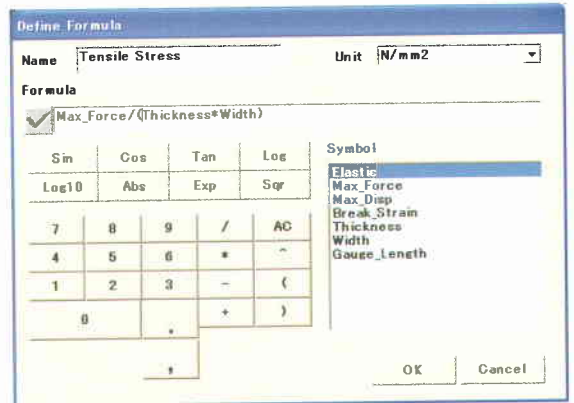
### Setting data processing items

Various data processing results can be automatically obtained after the test is finished.

( General items are already displayed. Desired items can be selected by simply clicking the buttons on the image. )



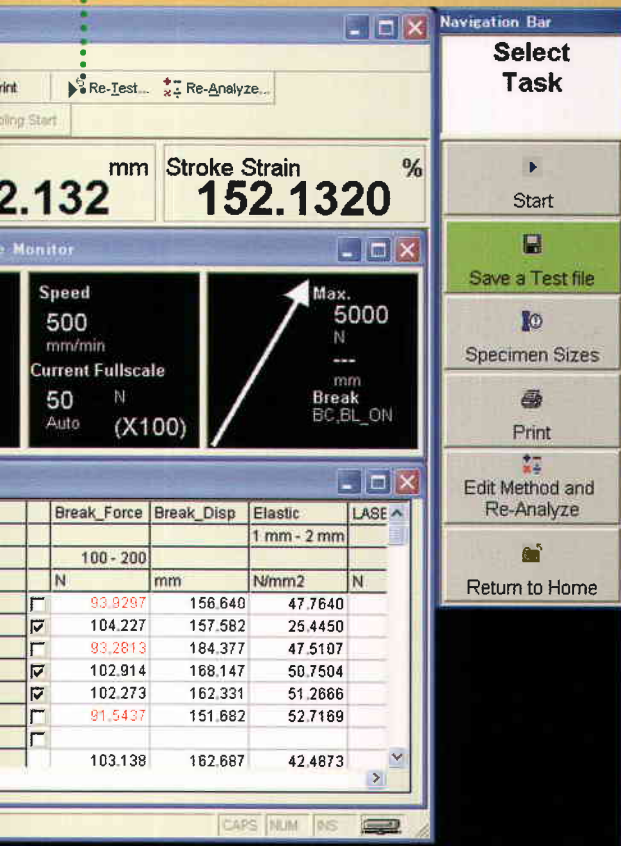
( User-defined data processing items can be easily created using the "User-defined formula" function. )



- During the test, the state of the instrument is displayed on the monitor by colors and icons. Parameters such as the speed and break point can be checked at a glance. (AG-IS MS, EZGraph)

**The display style can be set to suit your preferences.**

- The “User Style Registration” function allows for setting and registration of user-defined screen layout.
- The sizes of the sensor and toolbar can be adjusted to 3 different levels.
- A user-defined toolbar can be created to display frequently used functions.



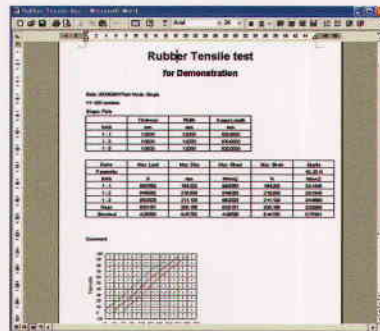
# Output

## Responding to the broadband era

Reports can be automatically transmitted via e-mail, LAN and FTP.

### User-defined report style

- Various types of information can be easily added to reports.
- The “Custom Report Function” allows the creation of reports in user-defined formats.



## Output of test results as PDF files

Reports can be output as PDF files. By sending the PDF files via e-mail, it is possible to print out reports anywhere, even without the testing machine.

## Compatibility with commercial software

Test results and graphs can be output to spreadsheets and word-processing software.



Example of e-mail display

## Mail transmission to PC or mobile phones in remote location

Graphs and test results can be monitored from remote locations.

- The “Point Picking” function allows for easy confirmation of values on the graph. Also, the data processing results can be changed on the graph.

