



Thwing-Albert Instrument Company

More than a Century of Testing Solutions

Simplicity™ Materials Testing Software

Simplicity™

Universal testing software designed to operate on the EJA Vantage Series of materials testers, Simplicity is best suited for routine quality control and production applications. It is a low-cost Windows® based software package that simplifies testing, method definition, reporting and data storage. Simplicity operates on multiple platforms including 2000 and XP and interfaces to the EJA Vantage using a RS-232 serial port or USB adapter with serial interface.

Simple Operation.

As the name implies, Simplicity was developed to meet the routine requirements of laboratory and production testing. Its ease of operation ensures you will be testing quickly with minimum training.

Multi-Functional Capabilities.

Simplicity supports a wide range of test modes including tensile, peel, tear, compression, burst, and friction. It meets a variety of standards including ISO, ASTM and other international methods.

User-Definable Methods.

The user-friendly interface with familiar drop down menus and dialog boxes guide you through test set-up. Each test mode has default settings which are easily modified to meet specific test methods. Quickly define test speed, pre-test settings and required results. Save all unique settings as a test method for future recall.

Password Protection.

Method configuration can be protected with a password thereby limiting access to change test parameters to authorized personnel.

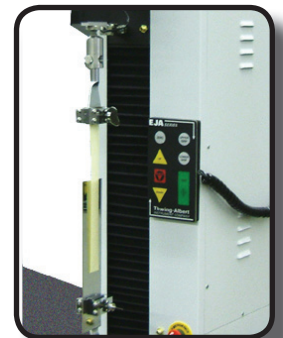


Tensile Mode

Quickly set pre-tension force, toe compensation and test speed variations. Advanced measurements include: Secant, Youngs & Tangent Modulus, Load & Position Traps, Force at Break, Force at Yield, % Elongation at Break and Yield and Yield Strength.

Peel Mode

Configure parameters including test speed, test distance, beginning offset (pre-peel), peel and ending offset (post-peel) distance.

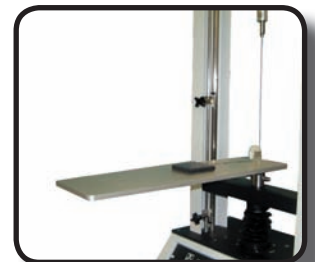


Compression Mode

Compress plastics, foams and packaging material to a force, distance or failure. Apply a pre-test force. Capture sample height, force and distance traps, peak deflection and total deflection.

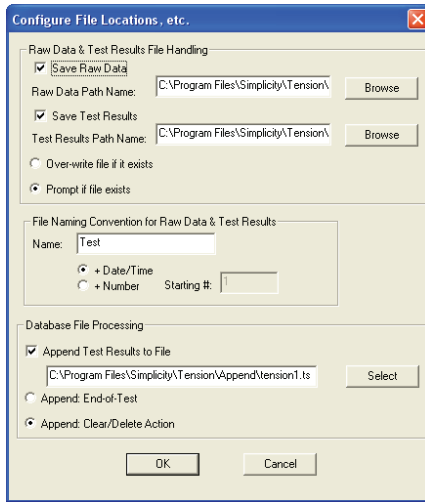
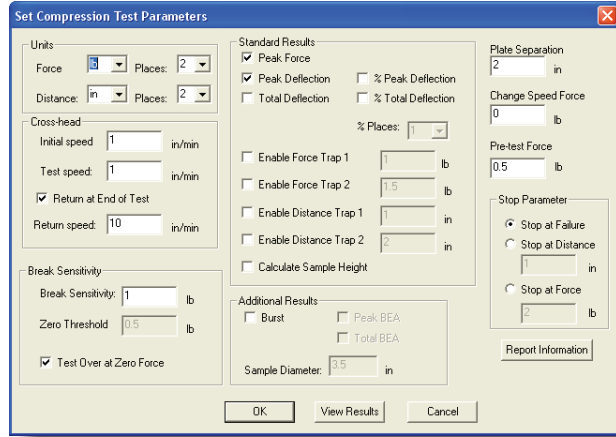
Friction Mode

Capture static and kinetic surface friction. Define static and kinetic distance, sled weight and test speed.



Test Inputs

- Select units for force & distance
- Define test speeds, test distance, pre-tension force, toe compensation, beginning offsets and ending offsets
- Mark test results to calculate and print
- Set force and distance trap points

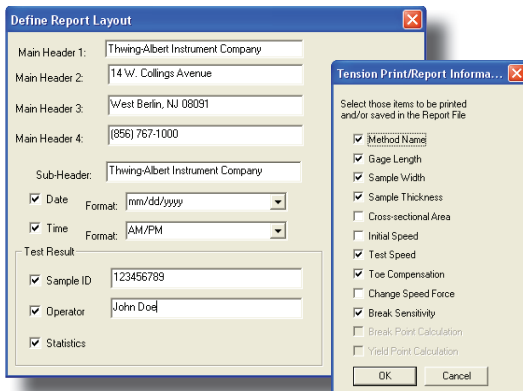


Data Storage

- User determines the data to be saved and the format required
- Test results and curve data are saved into text files
- Easily import text files to third party packages including Microsoft® Excel™ and Access™
- Recall curve or test data in Simplicity software or other programs

Graphing

- View real-time graph during test process
- Overlay multiple test curves
- Multi-curve graph mode displays all valid curves and enables zoom and x-y modes



Customized Reporting

- Define page layout
- Create customized report headers
- Specify method-specific parameters, results and statistics to print
- Set-up sample ID and operator information



Specifications

Simplicity operates on any standard PC or laptop with the following requirements:

Operating System: Windows® 2000, XP

Processor: Pentium IV - 1 GHz

RAM: 512 MB

Hard Disk Size: 10 GB

Serial Port: 1

Video: SVGA (800x600) resolution

Drive System: CD-ROM drive

Supports peripherals including:

Thickness Gauges

Environmental Chambers

Balances

Specifications subject to change without notice.

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