

Model 2210

Emerson's **Model 2210 Compression Tester** is an extremely versatile benchtop compression tester for both material and package testing. The Model 2210 is designed to test corrugated, tubes, cores, bottles, and cans for the packaging, plastic, and building products industries. Its test menu offers fixed parameter tests for standardized material testing (per TAPPI requirements) and user-defined tests for any combination of test parameters and failure modes. It comes with Windows Operating System, flat panel color display, and customized Emerson software that stores data and groups it for averaging, standard deviation, histograms, and control charts.

Features

- Windows Operating System
- Eight-inch, color, flat panel monitor displays real time force, deflection, and peak values
- Stored data can be re-displayed or printed as a table, histogram, or a control chart
- High load and deflection limits protect the machine and its fixtures from potential damage
- Fixed parameter tests: ECT, Pin Adhesion, Flat Crush, CMT, and CFC
- User-definable tests: Peak at Fallback, Peak at Deflection, Tensile, and Force at Deflection
- Rapid platen return and settable positioning allows for rapid, repetitive testing
- Scalable output converts measured force values to the appropriate report units
- Automatic Zero
- RS-232 Output
- Printer output USB or Standard 25 pin



shown with optional 26" platen

NEW! Testing, Reporting, Graphics & Performance Enhancements
See next page for details.

Specifications

- Capacity 2000 lbs
- Platen Size 13" x 13"
- Stroke 16" (optional 26" opening)
- Platen Speed 0 to 2 in/min
- Rupture Sensitivity 0 to 99%
- Accuracy .15% of reading or .05% of full scale
- Dimensions 34" x 47" x 30"
- Weight 250 lbs
- Electrical 1 phase 120V/60Hz
Optional 220V/50Hz

Accessories/Options

- ECT Holding Fixture
- Ring Crush Test Fixtures
- Flat Crush Test Fixture
- A, B, C, & E Flute Pin Adhesion Fixtures, Selective
- A, B, C, & E Flute Pin Adhesion Fixtures, Non-selective
- Custom Spaced Pins Made to Order
- Manual & Pneumatic Sample Cutters

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PUT US TO THE TEST! See for yourself why Emerson Apparatus has grown into one of the most trusted producers of high-quality laboratory testing equipment. Contact us by phone, email, or through our Web site to initiate a quote on this and/or other fine products. **CAN'T FIND WHAT YOU NEED?** Let's explore how Emerson Apparatus can engineer, design, and manufacture a custom solution just for you!

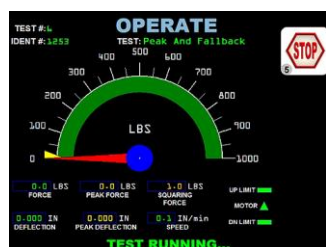
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Enhancements for Model 2210

- **Own an older Model 2210?** Contact Emerson Apparatus's sales team about our Complete Electronics and Software Upgrade Package.
- ▶ **COMES STANDARD** with high-speed computer, Windows Operating System, color flat panel LCD monitor, and fast hard drive for mass storage
- ▶ **TEST-RESULT TABULAR REPORT** lists each test result and the statistical analysis for the group of samples tested in an easy-to-read format
- ▶ **DATA LOGGING CAPABILITIES ADD TEST CURVE OUTPUT FILES AS CSV**, allowing you to see the force vs. deflection curve for each test
- ▶ **GRAPHICS AND PERFORMANCE ENHANCEMENTS** included
- ▶ **INCREASED DYNAMIC RESPONSE** allows additional test specimens including glass, fiber, metals, and other extremely brittle samples
- ▶ **SAMPLE RATE** has increased to 5,000 samples per second, giving the machine a higher sensitivity and response
- ▶ **ADDITIONAL USER SETTINGS** to help with setting up printers and installing peripheral programs

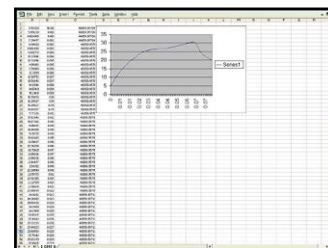
Sample Screens

Test Settings Screen: From the main menu, you can select a specific test type that has been pre-programmed with the TAPPI Specifications. This screen shows a "Peak at Fallback" test where buttons for changing test parameters are available. For ECT and all other preset TAPPI tests, parameters are pre-determined and you can assign a specific numeric ID to the product being tested.

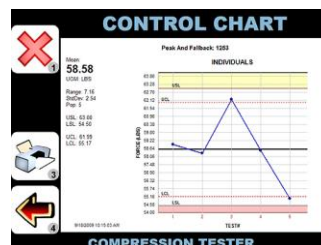
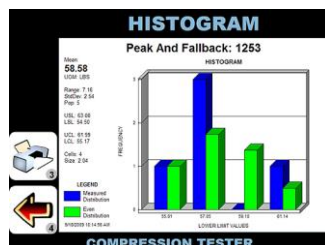


Operate Screen: This screen shows the machine running a test. It includes actual force, peak force, actual deflection, and peak deflection, selected squaring force, selected speed, and indicators showing the status of upper limits, lower limits, and that the motor is enabled.

CSV: Download a ".CSV" file to a pen drive and use Microsoft EXCEL (see screen image at right) to plot the data points captured throughout the entire test as an XY curve showing force vs. deflection.



Results – Histogram – Control Chart Screens: These screens show test data in **text form** (including peak force and deflection); in **bar form**; and as **test data points connected by lines** to show whether the product being tested is within the set control limits.



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