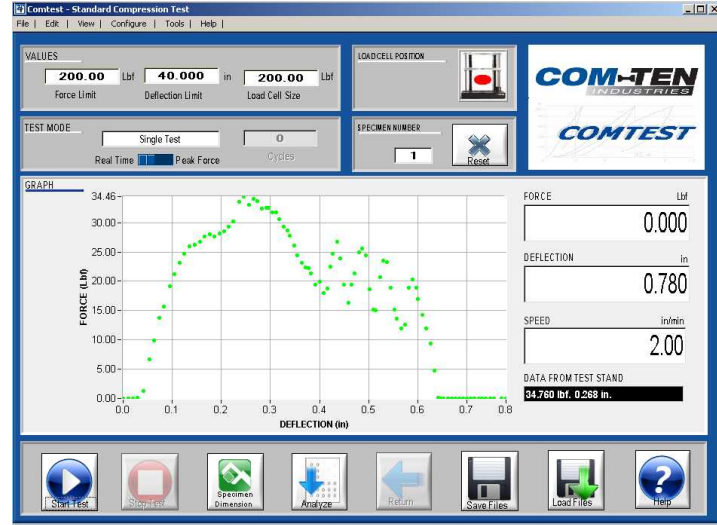# COMTEST

SETUP YOUR TEST STAND FROM YOUR COMPUER

Our incredibly popular test-control software package has just gotten better! Introducing COMTEST, the next level in material testing. This powerful software now is packed with improved features and a redesigned layout that make it more powerful and easier to use than ever.

Through the use of a computer, the COMTEST will allow the user to control the COM-TEN Test Stand from the 95T and 700 series with ease. The windows based interface provides all the tools necessary for data acquisition and control, data analysis, and data presentation of mechanical testing. In this Windows™ environment the user can perform most ASTM, ISO, DIN, and other standard or custom tests with just a click of the mouse. COMTEST creates intuitive, fully integrated, front-panel controls on the PC. Data, charts, and specific ASTM test results are displayed in easy to understand graphics and tables to the screen or printer.

Software features

— Save and load your test setup
— Save and load test data on the fly as well as export data to ASCII files to import into Microsoft Excel or other spreadsheets
— Security feature allows manager to lock various test parameters so they cannot be changed during testing
— Error log reports, extensive help menus, and an online manual make troubleshooting quick and easy
— Selectable TOE compensation on force / deflection and stress / strain graph
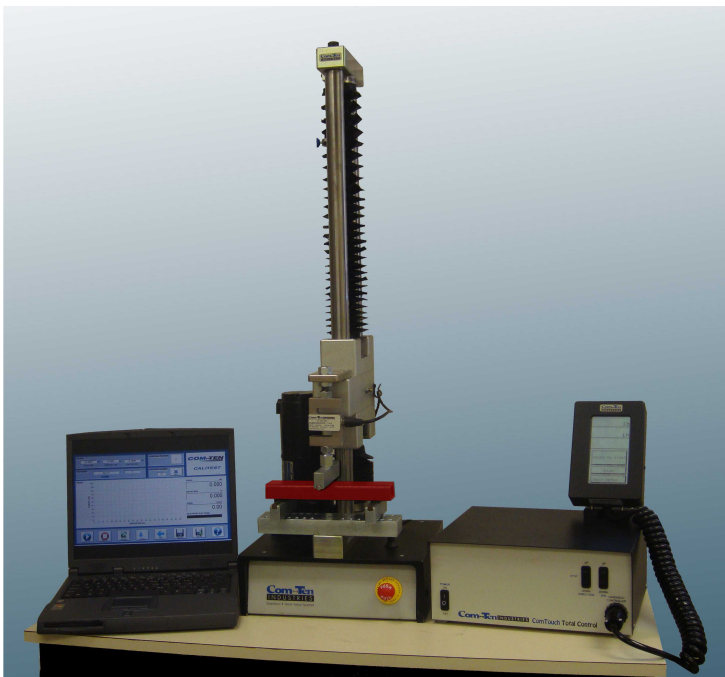
Report features

— Custom report generator wizard steps you through setting up printable reports complete with titles and data
— Results displayed in simple spreadsheet format with the ability to include or exclude tests from sample lot
— Test notes entry keeps annotations on each test performed and attaches these to the test report
— Calculation of mean, standard deviation and convolution
— Infinite number of samples
— WORD and EXCEL compatible in one click
— Choose from over 40 built-in formulas and report items to be displayed on the results screen

Test features

— Break test
— Peel test
— Area
— Calculation from the gauge
— Force and torque limits
— Time limits
— Delay

Graphing features

— Zoom & scale curve
— Extensive graphing capability, including multiple test plotting with overlaid tests indicated in various colors
— Customize appearance of curves
— Bar graph
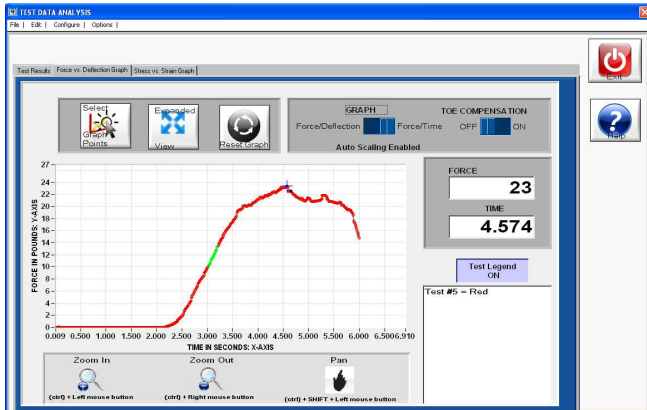— Real time plotting
— Post analysing

COM-TEN INDUSTRIES

COM-TEN INDUSTRIES - 6405 49TH ST NORTH, PINELLAS PARK, FL, 33781
sales@com-ten.com   Ph: 727-520-1200   Fax: 727-520-0299

Analyzing

— Display multi curves on the same graph
— Zoom in to see all the important details
— Export results
— Calculations

Setup

Intuitive setup interface:
— Units: N, lb, kg, lb.in, N.m, in, mm
— Upper and lower limits, duration, start force
— Report: peak force, break force, peel...

Reporting

STANDARD COMPRESSION TEST RESULTS

TEST RESULTS

TEST #	DEFL @ PEAK FORCE	BREAK DEFL.	% COMP. AT PEAK	BREAK FORCE	GAUGE THICKNESS	PEAK FORCE
	in	in	%	Lbf	in	Lbf
1	1.34	1.37	134.00	17.10	1.00	20.61
2	1.19	1.31	118.60	10.22	1.00	12.86
3	1.64	1.67	163.60	17.47	1.00	19.16
4	1.65	1.84	165.10	16.50	1.00	20.95
5	1.11	1.37	111.10	18.53	1.00	23.40

Generate your report with main results of your tests:
— peak, break, mean, standard deviation
— temperature, humidity
— Calculations, stress...
— Modulus or elongation, rupture...

Compatible with

— 95TS, 95TM and 95TL tensile testers
— 701SN and 701TN single colum test stands
— 702SN to 720TN twin colums test stands

System requirements

— Microsoft Windows XP or Vista
— RS232 output or USB output with USB/RS232 adaptor
— CDROM drive for installation
— Minimum on Windows Vista and recommended on XP: 1.8 GHz Pentium IV (or equivalent) processor and 1 GB RAM

Examples of ASTM compatibility

ASTM TEST	Description
C1161	Flexural Strength of Advanced Ceramics at Ambient Temperature
C203	Breaking Load and Flexural Properties of Block-Type Thermal Insulation
D1621	Compressive Properties of Rigid Cellular Plastics
D1894	Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting
D2256	Tensile Properties of Yarns by the Single-Strand Method
D4034	Resistance to Yarn Slippage at the Sewn Seam in Woven Upholstery Fabrics
D6272	Flexural Properties of Plastics and Electrical Insulating Materials by Four-point Bending