United’s materials testing software offers solutions from a basic manual testing program to advanced database-centered software.

We also develop customized software solutions that provide the ultimate in precision machine control, accurate data recording and flexible analysis.
Established in 1964, United Calibration Corporation has succeeded in becoming one of the world’s premier manufacturers of state-of-the-art materials testing systems.

United is committed to establishing and maintaining itself as the front-runner in materials testing technology. United pioneered the first automatic data acquisition and reduction system to be used in conjunction with physical testing. United developed the first fully automatic test system able to test several samples in sequence without operator involvement. These breakthroughs have earned United an enviable reputation as the “Pioneer in Tensile Data Acquisition.”

Headquartered in Huntington Beach, California, United currently manufactures a diverse line of materials testing equipment to accommodate virtually any material or force-testing requirement. United is especially known for its line of computer-inclusive electromechanical test machines designated as the “SMART” series of test systems. These systems feature the latest in software technology and range in capacities from 100 to 120,000 pounds.

United prides itself on offering test equipment built to exacting quality standards and designed to meet or exceed all applicable national and international published specifications relating to the operation of material testing equipment. All United test equipment is backed by a generous warranty program and supported by well-trained, experienced staff of calibration and service engineers.

All test equipment and systems are manufactured in Huntington Beach, California by United Calibration Corporation, and marketed throughout the U.S. by United Testing Systems, Inc. Our products are also available worldwide through an international network of factory-trained authorized representatives.

United offers ultimate flexibility in materials testing software.

Beginning with the basics, all United Smart Testing Systems include at no additional cost, United’s time-tested and easy-to-use EZ-Man Materials Testing Software. EZ-Man features include:

- Selection of tension or compression mode
- Selectable units: lbs, Kg, N, oz
- Selectable crosshead speeds
- Save test set-up and test data
- Print test curves and peak values

EZ-Man is the basic way to get results from your new United tester. It is as simple as loading your sample in the grips and pressing “T” on the keyboard to start the testing. EZ-Man does the rest for you! In addition to a numeric reading of the test results it also plots them graphically.
United's DATUM: Advanced Database-Centered Software

While EZ-Man can handle the basics, DATUM provides all the features you want in materials testing software in a single station or multi-user network environment. DATUM provides:

- Precise machine control
- High-speed data acquisition
- Template manager for flexible test method design
- Microsoft Access®-based software links with specialized databases
- Powerful built-in analysis tools included or design your own with the query capability of Access
- Generate publication-quality reports that are fully customizable

DATUM's simple to follow screens make it easy to setup custom test methods
Function Selection and Data Entry are Made Simple with Clear, Easy-to-Read Screens

Point-and-click operation for basic selections along with clearly defined data fields make DATUM the easy-to-use choice for materials testing environments. Sophisticated routines automatically set marker positions and perform calculations in accordance with test method requirements.
Test results are posted automatically in Microsoft Access® database for subsequent analysis.

Generate fully customizable plots & reports.

### Tensile Properties of Plastics

**Jun 1, 2001**

**Report No. 209**

**Test Date** 09-Jun-98

**Machine** 5371-000

**Customer Name** XYZ Corp

**Operator** Tom Smith

**P/N** abc123

**Lab Temp** 72

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<th>Yield (lbs/lin ft)</th>
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**Graph**

Stress (lbs/in²) vs Extension (%)

**Plot**

**Axis Definitions**

**XAxis**

**YAxis**

**Show Graph**

**Report**

**Close**

**Axis Definitions**
Valuable features such as Control Charting and flexible report generator are built into DATUM. They are included at NO extra cost with every purchase.

System Requirements:

United DATUM requires a Pentium III PC-compatible computer running Microsoft Windows 98, 98SE, Me, or XP, with 128MB memory, CD-ROM drive, 3.5" floppy and 2.0GB hard drive.
Providing quality control & engineering with the test data they need used to be a problem. Not any more!

Flexible network configurations custom tailored to your requirements make it possible.
FREE Factory Training

When you purchase a United “SMART” material testing system, you are eligible for two days of FREE training at our factory in Huntington Beach, California, prior to system delivery. At the end of the training period, you will be familiar with the hardware and software, which make up your system and be comfortable conducting tests in your laboratory.

FREE Factory Training

Check Our WEB Site

www.tensiletest.com

For additional information, contact the nearest United sales & service office.

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