



To get complete technical specifications and prices on any or all of these instruments, please phone, FAX, write or E-mail us. We cordially invite you to bring some of your own materials to our demonstration centers located in the Boston and Cleveland areas.

IMASS is proud to offer an extensive line of materials testing instruments and systems for characterization of adhesives, paper, rubber, packaging materials and polymers. For well over 40 years we have pioneered new testing concepts, and have backed them up with quality hardware and software. Easy-access customer support assures you that your investment will be protected far into the future.

SP-2100 Slip/Peel Tester >

The SP-2100 is successor to, and a direct functional replacement for, the widely-used SP-2000 Slip/Peel Tester. SP-2100 retains all of the features of the earlier instrument and has a number of system design improvements over the SP-2000 — involving both hardware and software. And it now includes, at no additional system cost, Setup Saver plus PC interface DataLink within which you can select either of two data handling programs —StatsLink and ExLink. Carry-over features include speeds from 0.2 to 300 in/min, 12 inch platen travel, 4-digit floating point readout over ranges of 10 grams to 10 kilograms, auto-balancing, auto-ranging, auto-calibration, data logging and statistical analysis. Standard accessories include COF sled, quick-release 180 degree peel sample clamp and a variable angle test fixture covering peel angles from 67.5 to 180 degrees. You can pushbutton-select units in English, SI or Metric systems. A partial list of optional accessories includes Autoroll sample preparation fixture, high and low temperature-controlled platen, unwind fixture, T-Peel fixture, and other capacity load cells.



TL-2300 Intermediate Rate Tester > with full range of TLMI speeds

Similar in concept to the SP-2100 (above), TL-2300 has a speed range from 6 to 1500 inches per minute (15 to 3800 cm/min) and a longer platen travel — 18.1 inches (46 cm). It does this with a servo-controlled drive screw that eliminates the cogging present in chain-driven testers. All of the other SP-2100 capabilities, as enumerated above, are also included. DataLink for data acquisition and Setup Saver are included in the base price.



< SPEC-1 Entry Level Slip/Peel Tester

SPEC-1 is for users who want IMASS precision and quality but don't need all the features of our other models. SPEC-1 is priced to compete yet preserves IMASS' traditional technical advantage and ability to exceed industry test SPECifications. SPEC-1 is in complete accordance with PSTC Test Equipment Standard 2.2.1 and will run PSTC-101 180°, PSTC-4B Release and, with the addition of optional fixturing, 90° Peel and PSTC-8 Unwind Tests. And this same instrument can also run Coefficient of Friction tests per ASTM D1894. SPEC-1 can measure forces up to 5 kg (10 lb) at speeds of 6, 12 and 17 inches per minute. System has standard interface to Excel.



NEW



ZPE-1200 High Rate Test System for Peel and Release

High rate peel tests for speeds beyond 1500 IPM, all the way to 5 M/S (12,000 IPM). When release liners are stripped at high speeds, interesting things happen to release properties that can completely escape the scrutiny of tests run at lower speeds. Acrylic and copolymer systems especially, have a behavior that defies extrapolation. Test data can be sent automatically and directly to Excel®. In addition to being able to run at any constant speed from .04 to 5 M/S, the ZPE-1200 can run ramp up or ramp down (continuously accelerated) tests, to get a complete spectrum of force vs velocity in a single test. Get your test data in English, SI or Metric units. Data can be expressed per unit of width. As with other Windows software, data can be saved to any connected drive.

So what's new?

The ZPE-1200 does not require manual calibration of force and velocity. The software has been redesigned with a simplified menu structure. Statistical calculations (Means, Stdev, COV) have been added and can be set by user determined test series. Multiple layer sample statistics can be kept separate by layer within the test series. The tester operates on any voltage from 100-240 VAC, 50/60HZ which allows worldwide installation without a transformer. The pinch roll is operated by a linear motor which is very quiet and imposes no time limit on sample setup. The pinch mechanism is auto-tensioning and needs no adjustment. A second cover aids in sample placement within the drive area.

ZPE-11UD-USB Update Kit for ZPE-1000 Systems

Computer capabilities have changed drastically since the first ZPE-1000 was built back in 1988. Fortunately, most earlier systems can be field-modified to ZPE-1100W specs with this software and hardware update. ISA bus slots are obsolete, so you can now connect through the USB port. An external box

resides between the tester and computer, which allows connection to a laptop. If desired, a data acquisition card can be installed in the computer in the PCI-Express slot. Please contact us for more information on bringing your older system in line with ZPE-1100W operating specifications.

PR-1000 Powerroll Sample Preparation Instrument >

This is a motorized, stand-alone unit that conforms to PSTC, and other standards which require roll weight of 4.5 lb and speed of 12 inches per minute. Auxiliary weights make it possible to increase the roll down force to 10 or 15 lb. Panels are continuously fed through two rubberized rolls, the upper of which has a basic weight of 4.5 lb. Panel length accepted is virtually unlimited. Drive direction can be switch reversed.



INSTRUMENTS FOR THE MATERIALS AND SURFACE SCIENCES

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