



Complete Line Of Adhesion Test Instruments

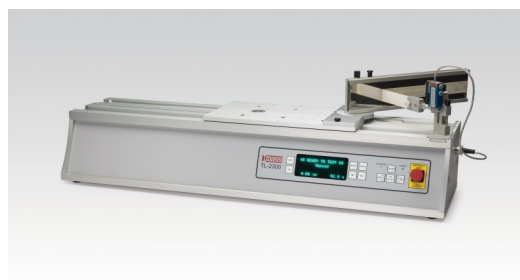


SP-3000 Slip/Peel Tester

The **SP-3000** is successor to, and a direct functional replacement for, the widely-used SP-2100 Slip/Peel Tester. **SP-3000** retains all of the features of the earlier instrument and has a number of system design improvements over the SP-2100 - involving both hardware and software. **SP-3000 now includes Intuitive touchscreen display — Distance based averaging; no longer limited to fixed times — Named Setups for easy identification of test parameters — Real-time plotting during test — Simplified menu structure provides only applicable options — Quick Start Guide.** 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. Select units in English, SI or Metric systems. Parital of optional Accessories include Autoroll sample preparation fixture, Roll unwind fixture, T-Peel fixture, and other capacity load cells.

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

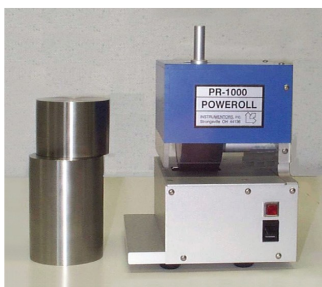
Similar in concept to the SP2100, the TL-2300 has a speed range of 6 to 1,500 inches per minute (15-3,800 cm/min) and a longer platen travel of 18.1 inches (46 cm). Standard with the instrument is a wide variable angle fixture which allows 2 inch width by 12 inch long samples with peel angles from 22.5° to 180°. Available accessories are Auto Roll 180° Prep fixture, T-Peel fixture, Roll Unwind fixture and other capacity load cells. All of our testers include software for data collection with graphs.



ZPE-1200 High Rate Test System for Release and Peel

95-12,000 IPM (.04-5M/s) –

The Third Generation “ZIPPY” comes with all new electronics to keep up with today’s technology. Our tried and true mechanical system has been improved with a linear motor to activate the Pinch Roller quietly and without time constraints. Also in today’s global market the system now uses a universal power supply so it can plugged directly into any voltage from 100-240V 50/60HZ. While the latest ZPEWIN software uses simplified menu structure, with new features such as multi-layer sample statistics, auto ranging of force, calibration fully automated and USB interfacing.



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.

Optional 24"/minute speed available upon request.

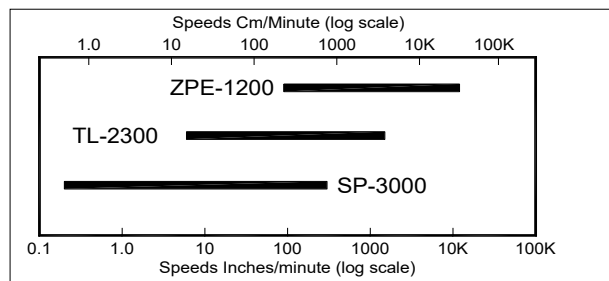
IMASS is proud to offer an extensive line of materials testing instruments and systems for characterization of adhesives, paper, rubber and packaging materials.

For well over 50 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. 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 center located in the Cleveland, OH area.



COMPARISON OF TESTER MODELS

ATTRIBUTES, ALL MODELS
PSTC, ASTM, AFERA, FINAT, TAPPI, TLMi COMPLIANT
STRAIN GAGE LOAD CELL
PRECISE SPEED CONTROL
RUGGED ANODIZED ALUMINUM HOUSING
USER-FRIENDLY OPERATION, PRINTED MANUALS
EASILY ACCESSIBLE CUSTOMER SUPPORT
ONE YEAR WARRANTY



ATTRIBUTES, BY MODEL	SP-3000	TL-2300	ZPE-1200
SPEED RANGE (in/min) [see chart]	0.2 to 300	6.0 to 1500	95 to 12000
SPEED RANGE (cm/min) [see chart]	0.5 to 760	15 to 3800	240 to 30000
SPEED RANGE (meters/sec)	--	--	0.04 to 5.0
MAX FORCE (lbf : kgf : N)	25 : 10 : 100	25 : 10 : 100	10 : 5 : 50
PLATEN DRIVE	YES	YES	NOT APPLICABLE
PLATEN TRAVEL (inches : cm)	12 : 30	18 : 45	NOT APPLICABLE
PLATEN RETURN	POWERED	POWERED	NOT APPLICABLE
NIP ROLL DRIVE	NO	NO	YES
EMBEDDED PROCESSOR	YES	YES	NOT APPLICABLE
FLOATING POINT READOUT	YES	YES	YES
AUTOBALANCE	YES	YES	YES
CALIBRATION	AUTO	AUTO	AUTO
AUTORANGE	YES	YES	YES
CALCULATIONS	DIGITAL	DIGITAL	DIGITAL
PRINTER CONNECTION	THRU PC	THRU PC	THRU PC
INTERFACE FOR PC COMPUTER	STANDARD	STANDARD	STANDARD ^{1,3}
DATA STATISTICS	OPERATOR CHOICE	OPERATOR CHOICE	STANDARD
SIMPLIFIED DATA LOG OPTION	OPERATOR CHOICE	OPERATOR CHOICE	NOT APPLICABLE
SETUP SAVER (TEST MACROS)	STANDARD	STANDARD	STANDARD
GRAPHIC DISPLAY	STANDARD	STANDARD ⁴	STANDARD
QUICK RELEASE SAMPLE CLAMP	STANDARD	STANDARD	NOT APPLICABLE
COEFFICIENT OF FRICTION	STANDARD	STANDARD	OPTIONAL
VARIABLE ANGLE PEEL FIXTURE	STANDARD	STANDARD ⁵	NOT APPLICABLE
T-PEEL FIXTURE	OPTIONAL	OPTIONAL	NOT APPLICABLE
AUTOROLL	OPTIONAL	OPTIONAL	NOT APPLICABLE
UNWIND FIXTURE	OPTIONAL	OPTIONAL	NOT APPLICABLE
VELOCITY RAMP - USER SELECTABLE	NO	NO	YES ⁶
AC POWER INPUT 100-240V, 50-60 HZ	STANDARD	STANDARD	STANDARD

Prices and specifications subject to change without notice.

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NOTES:

- 1 - Includes "External" PC computer
- 2 - Using Excel ^(R)
- 3 - Windows based System
- 4 - With user provided PC
- 5 - 12" Long x 2-3/8" Test Panels
- 6 - Ramp up & Ramp down user selectable speeds 0-5 m/s

Designed and Manufactured by INSTRUMENTORS, inc.

MODEL COMPARISON 9-25 General.xls