

LAB MASTER® RELEASE AND ADHESION 80-91



Integrated Touch Screen Display

The Lab Master® Release and Adhesion testing system operates with Windows® Based Software, and features: The ability to create user-defined test set-up, individual test speed selection, user-definable default areas for analysis, exporting graphs or data to Microsoft™ Excel and SPC programs, and enhanced Calibration - verifies existing and new calibration, and keeps a calibration log for ISO record keeping. Test data visually represents the characteristics of the peel.

FEATURES

- Analysis of raw data collected from pull for immediate feedback of test results
- Intuitive user-friendly controls
- Accurate field calibration with built-in ISO 9000 compliance record-keeping with on-screen user definable "calibration due" alerting
- PC Network compatibility for output of other lab management systems
- Test Materials at 90°, 135°, and 180° angles of peel

APPLICATIONS

Tape, Pressure-sensitive labels, Release Paper, Blister Packs, Closures, Medical Products, Seals, Security Labels

SPECIFICATIONS

- Model: 80-91-00-0001
- Load cell range of 0-11,339 g (0-25 lb)
- Other Load Cells Available
- Tests samples up to 5 cm (2 in.) wide with maximum peeling length of 30.48 cm (12 in.)
- Variable speeds from 30.48 to 4064 cm and 12 to 1600 in.
- Weight: 40 kg (88 lb)
- Dimensions W x D x H: 57.5 in x 8 in x 21.75 in (1461 mm x 203 mm x 553 mm)
- Electrical Auto-ranging Power Supply
100-120 V nominal $\pm 10\%$, 50/60 Hz
220-240 V nominal -5% +10%, 50-60 Hz

STANDARDS

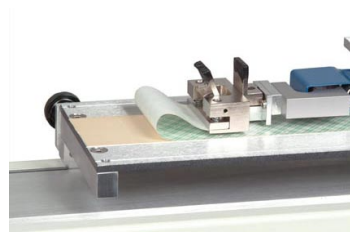
Meets ASTM D 3330, TLMI L-IA1 and L-IA2, PSTC-1, 3, and 4, and FINAT FTM 1, 2, 3, and 4

TEST BED & SPECIMEN CLAMP



◀ Select peel angle to simulate application

- 90°
- 135°
- 180°



◀ Sample clamp measuring 180° degree high speed release test.

- double-sided tape
- adhesive
- special test fixture

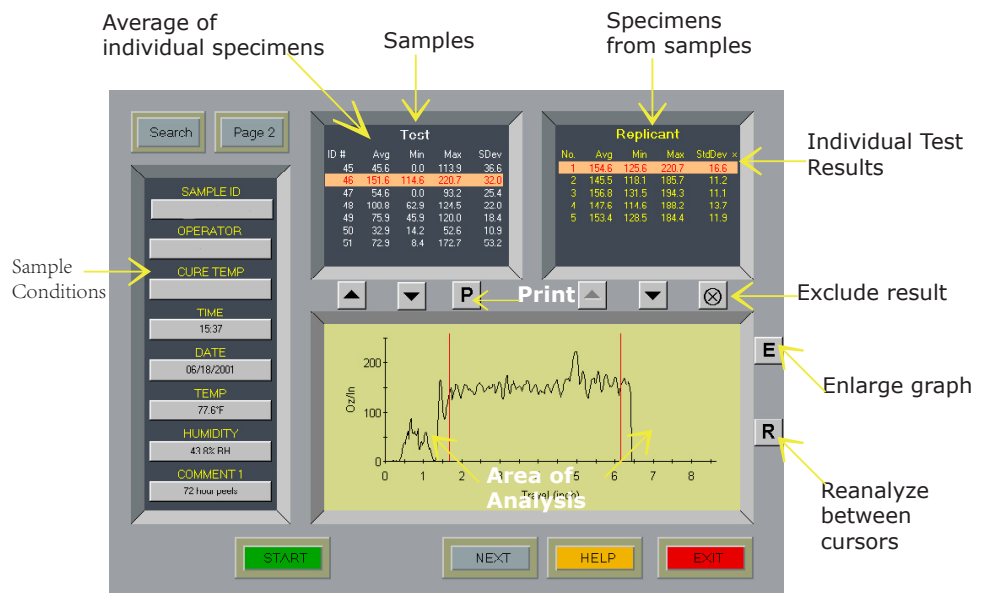
SOFTWARE

• Transducer reading is processed with auto-range software to produce test results

• Hundreds of readings are taken during a typical test to provide force/position curves

• Area analysis allows the operator to select a portion of the curve for further analysis

• Minimum, maximum and average data points are displayed



TEST METHODS FOR ADHESIVE TAPE, ADHESIVES, TAPE, PEELING TESTS AND ADHESION TESTS

PSTC-101	International Standard for Peel Adhesion of Pressure Sensitive Tape
ASTM D 3330	Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape
TLMI L-IA1	180° Peel Adhesion – Stock
TLMI L-IA2	180° Peel Adhesion – Release Liner
FINAT1	Peel adhesion 180°
FINAT2	Peel adhesion 90°
AFERA 5001	Self Adhesive Tapes - Measurement of Peel Adhesion from Stainless Steel or from its own Backing (EN 1939: 2003)
BS EN 1939:2003	Self adhesive tapes- Determination of peel adhesion properties

Testing Machines Inc.
 2 Fleetwood Court
 Ronkonkoma, NY 11779
 Tel: (631) 439-5400
 Fax: (631) 439-5420
 Info@testingmachines.com

Büchel BV
t/a Messmer Büchel
 Fokkerstrat 24,
 3905 KV
 Veenendaal, Netherlands
 Tel: +33 (0)318 521500
 Fax: +33 (0)318 5400358

Lako Tool and Manufacturing Inc.
 7400 Ponderosa Road
 Perrysburg, Ohio 43552
 Tel: (419) 662-5256
 Fax: (419) 662-8225

Lawson Hemphill
 1658 G A R Highway
 Swansea, MA 02777 USA
 Tel: (508) 679-5364
 Fax: (508) 679-5396
 Information@lawsonhemphill.com

Adamel Lhomargy SARL
 Z.A. de l'Habitat,
 Bâtiment 6 Route d'Ozoir,
 77680
 Roissy en Brie, France
 Tel: +33 (0) 1 6440291
 Fax: +33 (0) 1 64409211

TMI Canada
 P.O. Box 203
 Pointe-Claire Dorval
 QC, H9R-4N9 CAN
 Tel: (514) 426-5855
 Fax: (514) 426-1557

