The Thwing-Albert FP-2260 Friction/Peel Tester is a versatile testing instrument for measuring the coefficient of friction, peel strength, seal strength and tensile strength of flexible plastic films, paper, labels, tapes, nonwovens, textiles and other sheet materials. It was designed to provide flexibility for its users so it is useful in many different industries such as the paper, plastic, adhesives, textile, flexible packaging, foils, coatings, leather and paperboard industries, as well as others.

- Complies to industry standards for tensile, peel, and coefficient of friction testing
- Intuitive menu design which provides more results with fewer key strokes
- Ability to create, save and password protect test setups
- Memory capacity on the FP-2260 can store 128 individual tests for COF, Peel, or Tensile
- Sampling rate up to 250 times per second with MAP4 software
- MAP4 software allows users to instantly view and analyze test data
- Many optional accessories and fixtures are available to perform a variety of peel, COF, seal tests, and tensile tests
- Automatic load cell capacity recognition
- Stable load system
The FP-2260 Friction Peel Tester can be equipped with attachments that allow testing for a wide variety of standards. Sample tests include:

- ASTM D1894 (COF for Plastics)
- ASTM D4521 (COF for Corrugated/Fiberboard)
- ASTM D2534 (Coefficient of Kinetic Friction for Wax Coatings)
- ASTM D3330 (Peel Adhesion for Pressure Sensitive Tape 180°)
- ASTM F88 (Seal Strength for Flexible Barrier Material)
- AFEA: 4001 P11
- FINAT: FTM 1-6, 10, 11
- ISO 6383 (Tear Resistance of Plastic Films)
- ISO 8295 (COF for Plastics)
- PSTC: 101 (A, B, C, D, E, F), 4, 15, 55
- TAPPI T-816 (COF for Corrugated and Paperboard)
- TAPPI T-549 (COF for Uncoated Writing & Printing Paper)
- TLMI: L-IA1, L-IA2, L-IA3

Visit [www.thwingalbert.com](http://www.thwingalbert.com) for a complete listing of industry standards.
FP-2260 Shown with T-Peel Fixture

# Specifications

## Physical Specifications - Model FP-2260

- **Dimensions:** 27 in L x 12 in W x 7 in H (685.8 mm x 304.8 mm x 177.8 mm)
- **Shipping Dimensions:** 29 in L x 21 in W x 15 in H (838.2 mm x 609.6 mm x 355.6 mm)
- **Net Weight:** 44 lb (20 kg)
- **Approx. Gross Weight:** 52 lb (23.6 kg)

## Performance Data - Model FP-2260

### Measurement
- **Load Cell Range:** 0.5kg, 1kg, 2kg, 5kg, 10 kg
- **Force Resolution:** 0.1g for all load cells
- **Force Accuracy:**
  - 10% to 100% load capacity: ±0.25% of measured value
  - Less than 10% load capacity: ±0.025% of Load Cell Capacity
- **Force Units:** Grams, Kilograms, Ounces, Pounds, Newtons

### Travel Speed
- **Standard Speed:** 1 to 20 in/min (25.4mm to 508 mm/min)
- **High Speed:** 10 to 110 in/min (254 to 2,794 mm/min)

### Test Times
- 0.1 to 99 seconds- Variable for COF, and Peel

### Travel Distance
- 0.1 to 14.0 in (0.3 to 38 cm)

### Test Result Readouts
- **COF:** Static, Kinetic, Slide Angle, Standard Deviation of Kinetic Data
- **Peel:** Average, High, Low, Standard Deviation
- **Tensile and Seal:** Peak Statistical Analysis

### Power Options
- 110-230 Volts, 50-60 Hz

### Standard COF Sled Options
- 200g, 500g, 1000g, and 3lb

- **EZ Sled (200 g) - 00225-3050**
- **COF Sled (200 g) - 00225-0218**
- **COF Sled (200 g) - 02250-4400**
- **Self Adjusting 3-Ball Sled - 02250-3111**
- **Heated Platen COF Sleds**

**NOTE:** Custom sleds are available. Software accepts variable sled weights.

Specifications subject to change without notice.
MAP4 Software

MAP4 software comes equipped with preset standards available for use out of the box. The MAP4 software is compatible with the FP-2260 Friction/Peel Tester and allows the instrument to run using Windows 7, 8 or 10 operating systems. This easy-to-use software is used to design, customize and maximize your testing procedures and final output using simple menus.

Test methods are built-in to the program for various applications including coefficient of friction (COF), 180° peel, 90° peel, T-Peel and with the ability to customize these tests, the potential is unlimited. When it comes to flexibility and capability, MAP4 software is equipped to test a variety of materials including paper, plastic, rubber, textiles, and nonwovens.

Data Acquisition
Automatically capture test results and statistics for Friction and Peel testing and store them with test identifiers. Data capture includes:

- **Peel Testing** - Max, Mean, Min, and Standard Deviation
- **Coefficient of Friction Testing** - Static, Kinetic, Static Slide Angle, and Kinetic Standard Deviation
- **User Defined Results** - Specific to your testing needs
- **Report/Statistical Data** - Max, Min, Average, and Standard Deviation

Data Management
Include information identifying test conditions and sample type, add and delete tests from group data, mark files to view multiple curves and define viewable data range.

Built-in Reporting
Create a report of a series of tests by selecting “Report” on the Friction/Peel Tester or select specific test results to be included.

**MAP4 LTE Basic Software Option Available:**

This is a simplified MAP4 Software option recommend for ease of use and basic data evaluation purposes.

- Instantly view and analyze test data
- Report statistical data
- Store test procedures
- Establish tracking variables
- SQL database for test results