



## COF-2001 Coefficient Friction Tester

### Application

Applies to plastic films, laminated films, extrusion films, foils, sheets, rubber, paper, paperboard, wood, brake pad, tyres, windshield wiper, conveyor belt, hare, metal, carbon rod, catheter, artificial skin etc testing of static coefficient and dynamic coefficient, especially used in food & pharmaceutical industries, quality inspection departments as well as research and development institutions.

### Features

1. Own technology and software copyright registration.
2. ISO Test Standard (or ASTM test standard on demand).
3. Highly accurate load cell, ac-servo drive, force and speed are absolutely accurate.
4. Touch screen operation, long service life.
5. Real color TFT LCD, HD display.
6. Test parameters can be set directly on the touch screen.
7. Moving beam height adjustable, specimens of various thickness can be tested.
8. Compatible with various standard and non-standard Sleds test.
9. Micro-printer built-in, automatic print statistic results, programmed printing.
10. Dynamic coefficient test, and Static and dynamic coefficients test.
11. Built-in statistical analysis function.
12. Built-in test data query function.

13. Emergency stop button, extremely high safety and reliability.
14. Overload, limit position protection.
15. Low power consumption and silence running.
16. DB9 RS232 communication port.
17. COFlex professional computer software support(optional).
18. Group test, auto multiple curves display and auto statistic calculation(Software).
19. DSM system is optional(Laboratory Management Information System), easy to manage test data(optional).

## Technical Indexes

1. Load cell range: 5N
2. Accuracy: 0.05%FS MAX.
3. Travel distance: system auto control
4. Displacement accuracy: better than 0.1mm.
5. Sled mass: 200g (Personal customization available)
6. Sled area: 63mm X 63mm. (Personal customization available)
7. Test speed: 100mm/min (or ASTM standard speed 150mm/min).
8. Sample thickness: 30mm. (optional)
9. Power supply: AC 220V 50Hz.
10. Power consumption: 25W.
11. Dimension: 650mm(L)  $\varnothing$ 340mm(B)  $\varnothing$  210mm(H)
12. Net weight: 42kg.

## Standards

ISO 8295, ASTM D1894, TAPPI T816,GB 10006

## Configuration

Standard Configuration: Mainframe, Micro-printer, Sled(200g), Sample Cutter.

Optional: Computer, COFlex professional Computer Software, Sample Presser, Communication cable, Non-standard Sled, Calibration Assemblies, DSM software system.

**Note: Specifications are subject to change without prior notice.**