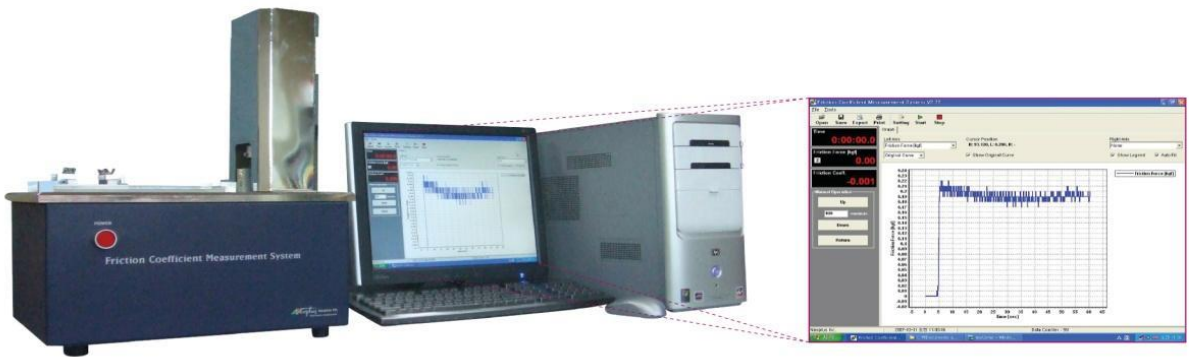
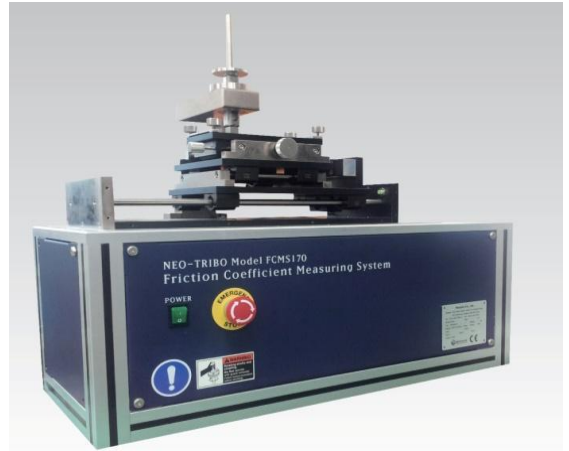


Friction Coefficient Measuring System – FCMS170

◆ General Information

The **FCMS170** system measures static friction coefficient for all materials. The test material is placed on top of the flat plate and the friction coefficient is measured as it pulls the object with the desired test speed. It is able to measure metal, ceramic, plastic, fabric, electronic material, rubber, paper, etc.

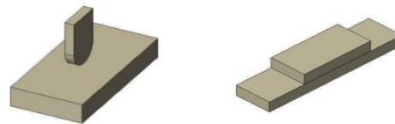
Depending on the options selected, the system can perform dry or wet tests. The friction speed range is 100 – 200 mm/min and is configured to test according to ASTM D1894 and KS M ISO 8295 standards.



◆ Control Parameters

- Friction Speed (mm/min)
- Load (N)
- Dry and Wet Conditions
- Temperature (°)
- DAQ Rate

◆ Test Modes



◆ Recorded Parameters

- Friction Speed (mm/min)
- Friction Force (N)
- Friction Coefficient (μ)

◆ Specifications

Load Range	100 gf – 10kgf (0.1 – 100 N)
Speed	100 – 200 mm/min
Temperature	Ambient
Size	W 440 mm x D 300 mm x H 550 mm
Electricity	AC 220V, Single Phase
System Weight	≈ 25kg
Dry and Wet Conditions	
Metal, Rubber, Plastic, Ceramic, Fabric, Paper, Film, Electronic Materials, etc.	
Friction Force / Friction Coefficient	

◆ System Information

- Microsoft Windows XP Compatible
- User-friendly Screen Configuration
- Average and Peak Curve Readings
- Real-time Data Display and Storage
- Can modify parameters during test