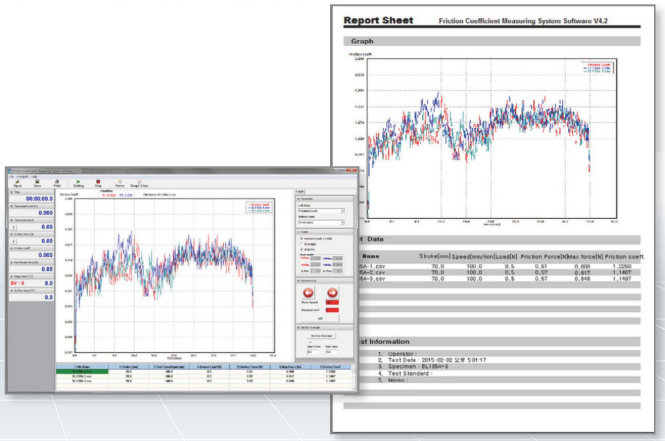
FCMS170-3D

NEOPLUS
(주) 네오플러스

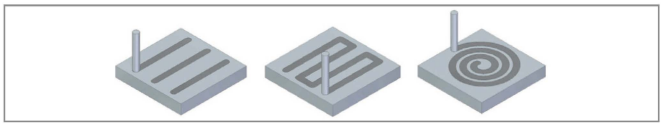
3방향 마찰계수 시험기(Model FCMS170-3D)는 X, Y 축을 이동하면서 다양한 마찰패턴의 마찰계수 측정이 가능한 장비이며, AC Servo Motor 를 이용하여 Z 축 하중을 제어할 수 있다. 평가 가능한 재료는 금속, 세라믹, 요업재료, 플라스틱, 고무 등 다양한 소재에 대한 마찰계수 측정이 가능하다.



Control Parameters

- Friction speed (mm/min)
- Load (N)
- Dry and wet conditions
- DAQ rate
- Temperature (˚C)

Test Mode



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

Recorded Parameters

- Friction speed (mm/min)
- Friction force (N)
- Friction coefficient (μ)

Specifications

Test load range	0.5N to 100N (Changeable)
Load type	Motor
Friction force sensor	100N / 3axis load-cell / accuracy ±0.03% (Changeable)
Test speed	0.5mm to 500mm/min (Changeable)
Temperature	Max. 150˚C ±2˚C or more (Option)
Test end condition	Time, Count, Distance, Friction force, Friction coefficient and etc.
Power	1kW, 220V, 50/60Hz (Changeable)
Upper sample size	Pin: Dia. 5mm × 25 to 30mm (Changeable) Ball: Dia. 6mm, 12.7mm (Changeable) Block: 10mm × 10mm × 10mm (Changeable)
Lower sample size	Plate: 150mm × 150mm × 3 to 5mm (Changeable)