

## TY378 Yarn Dynamic Friction Coefficient Tester

The primary objective of this equipment is to measure the friction characteristics of yarn. It is specifically designed for determining the dynamic friction coefficient of chemical fiber filament and various other types of material yarns. Additionally, it serves as a valuable tool for evaluating the friction coefficient of textile equipment, including top rollers. Without a doubt, this equipment is essential for assessing the friction coefficient of filaments and textile machinery, making it an indispensable testing instrument.

### Instrument characteristics

1. The DC motor is used as a constant velocity gravitational source.
2. Computer control, automatic data processing.

### technical indicators

1. Measuring force range and accuracy:  $0 \sim 500\text{cN} \pm 1\%$
2. Range of friction coefficient:  $0 < \mu < 1$
3. Adjustable range of friction angle:  $0^\circ \sim 360^\circ$
4. Pretension range:  $0 \sim 24\text{cN}$
5. Yarn testing speed:  $100\text{m}/\text{min}$
6. Display content: speed, friction coefficient

### Test standard

ASTM D3108/D3108M-13(2020) Standard Test Method for Coefficient of Friction, Yarn

