FRICTION AND WEAR TESTING MACHINE
CODE STM-C1

VIDEO

- According to NB/SH/T 0189, ASTM D3702, ASTM G99
- The friction simulation test between different friction parts can be realised under various conditions such as changing temperature, load, speed, friction part material, friction part surface roughness, hardness and lubrication status (oil-free lubrication, oil-drip lubrication or oil-immersion lubrication)
- The machine can simulate rolling, sliding and rolling-sliding compound motion friction form, with a variety of friction sub, such as pin disc (with a large disc and small disc, single needle and three needle) friction sub, four ball friction sub, thrust ring, ball disc and so on
- The machine can complete a variety of point, line and surface friction simulation experiments, can be used to evaluate the lubricant, metal, paint, coatings, rubber, ceramics and other materials friction and wear performance



STM-C1

SPECIFICATION

Maximum axial test force	1000N
Accuracy of axial force	±1%
Load rate of axial test force	400N/min
Retention capacity of axial test force	±1%
Range of friction sensor	200N
Length of friction arm	50mm
Maximum friction torque	2.5N·m
Accuracy friction torque	±2%
Range of spindle speed	5~2000r/min
Accuracy of spindle speed	±1%
Taper of tester spindle	1:7
Maximum distance between spindle and lower sub-disc	>75mm
Timekeeping device	10s~9999min
Range of RPM counter	(1~99)×10^5 times
Dimension of main body	860×740×1560mm
Weight	550kg
Power supply	AC 220V, 50Hz

STANDARD DELIVERY

Main unit	1 pc
Pin and disc friction vice	1 set
Computer	1 pc
Printer	1 pc

OPTIONAL ACCESSORY

Ball and disc friction vice	STM-CF1
Disc and disc friction vice	STM-CF2
Tube heater	STM-CF3
Special accessories	customized