

## ZDY-04 Mask tensile testing machine ( mask band breaking strength tester )

The instrument is suitable for the tensile fracture, static tension, firmness, peeling, deformation, tearing, heat sealing, puncture, elongation and other tests of surgical mask, medical protective mask, daily protective mask mask valve, disposable protective clothing and other materials.



### Product features

- ◎ 7-inch touch screen display test process and humanized design.
- ◎ Professional software can be connected to computer for data storage, analysis and printing.
- ◎ Imported sensor is used to effectively ensure the accuracy of test results.
- ◎ Compact, exquisite and humanized structure design.
- ◎ The speed of lead screw drive system is adjusted at will to ensure the accuracy of test speed and displacement.
- ◎ Equipped with micro printer to print experimental results quickly.
- ◎ Professional mask clamp, which can test the breaking strength and puncture resistance of different mask belts.
- ◎ Intelligent configuration, such as limit protection and automatic return, ensures the operation safety of users.

### Working principle

The mask is clamped on the lower clamp and the mask belt is hung on the upper clamp. The two clamps move relative to each other. The mask body and the mask belt are pulled apart by setting the speed. The force value and displacement change in the process are measured by the instrument, and the corresponding force value data are obtained.

### Test standard

The tester conforms to many national and international standards: GB9083, GB/T32610, YY0419, YY/T0969, YY/T 0469-2011, GB2637, YBB00332002. These standards require testing of medical surgical masks, breathing valves, protective clothing and other medical materials.

### Rich application

It is applicable to the test of the breaking force of medical mask, protective clothing, disposable medical mask, axial force of breathing valve, puncture, etc.

## Technical parameters

Item	ZDY-04 Mask tensile testing machine
Range	0-50 N (Optional 100N, 200N)
Force measuring accuracy	0.5 grade
Test speed	10 mm/min (1-500 mm/min Stepless transmission)
Speed accuracy	±1% tolerances
Bracket distance	36mm, 60mm. Other distances can be set at will
Power supply	220V / 50Hz
Size	330 mm (L) × 410 mm (W) × 680 mm (H)
Net weight	27kg

## Product configuration

Standard configuration : Main machine, micro printer, medical mask band breaking strength test fixture.

Optional parts : A set of test software, communication cables, special fixtures, axial force fixtures, puncture force fixtures, test bending and breaking fixtures.