



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: <http://www.fyichina.com.cn>

## YG026T ELECTRONIC STRENGTH TESTER





WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088
TEL: +86-551-65232508
FAX: +86-551-65232507
Email: sales@hkdownell.com
Website: http://www.fyichina.com.cn

MODEL NO.

YG026T

Application:

YG026T Electronic Strength Tester is suitable for testing tensile strength and elongation of yarns, fabrics and other materials, which is in conformity with standards like ISO13937, GB/T3917, GB/T3923.1, etc. It is based on checking principle of constant rate of elongation (CRE).

Related Standards:

Table with 2 rows and 5 columns listing standards: ISO13937, GB/T3917.1, GB/T3917.2, GB/T3917.3, GB/T3923.1, ASTM D5035, JIS L1096.

Note: this tester can conform to but not limit to the standards above, for more standards conformance, please contact us.

Features:

- (1) Multi-function control panel, large screen display, convenient to use.



- (2) Imported sensor from American Tedeia.
(3) High-force loading conditions, rigid frame configuration, precise ball screw preload.
(4) Two kinds of measuring range are available. Small measuring range is suitable for peeling, bursting and other small force test, which can improve accuracy to 0.1N.
● Big measuring range : H 0~5000N 1N



WWW.FYICHINA.COM.CN

- Small measuring range: L 0~500N 0.1N

(5) Several kinds of stretching test can be achieved.

- Breaking
- Peeling
- Bursting
- Elastic recovery
- Loosing
- Constant speed
- Constant timing
- Constant load
- Constant elongation

(6) Manual and pneumatic clamp are optional.

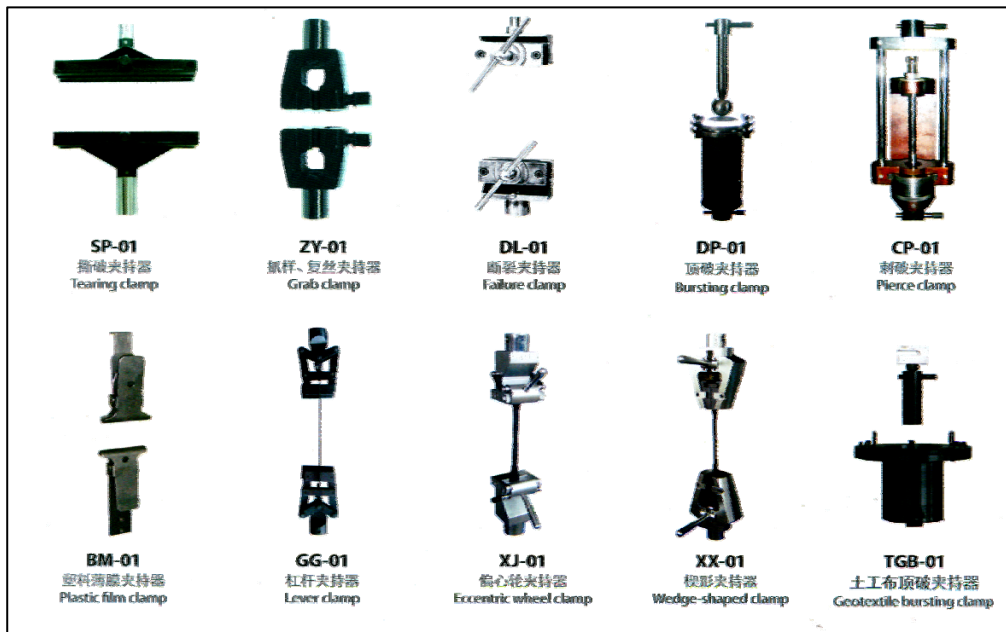
- Manual clamp

Please refer to the photo of main machine on the first page.

- Pneumatic clamp

Magnet is used which makes change clamps more easier than traditional screw.

(7) Frequently used clamps are as follows: (More choices refer to Optional Accessories)



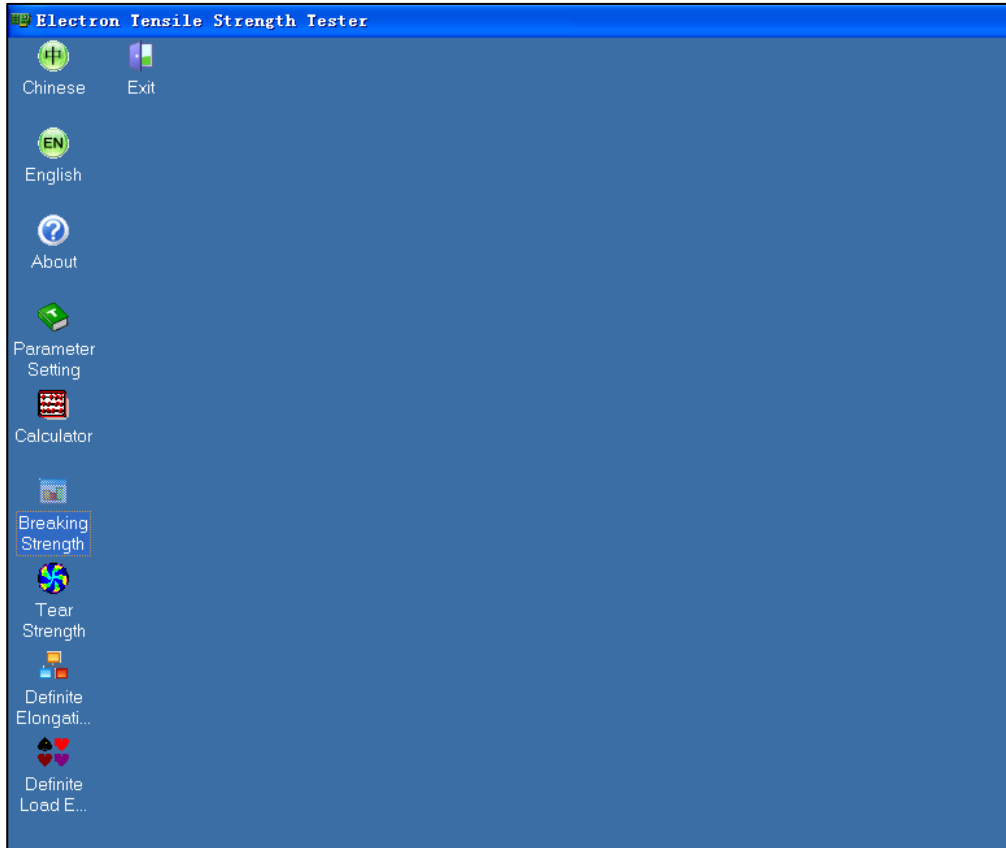


WWW.FYICHINA.COM.CN

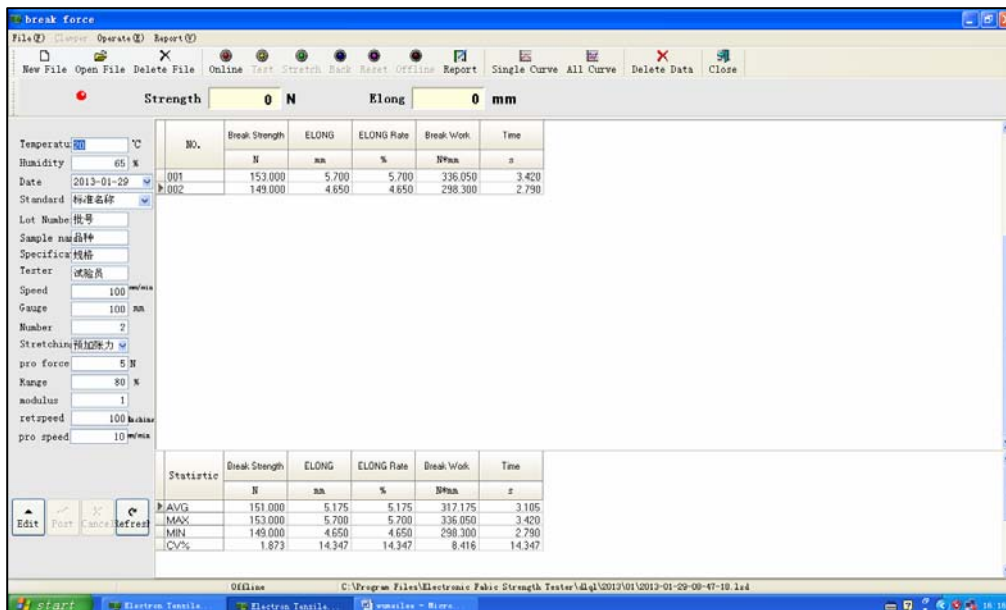
FANYUAN INSTRUMENT (HF) CO., LTD.  
 DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
 ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
 TEL: +86-551-65232508  
 FAX: +86-551-65232507  
 Email: sales@hkdownell.com  
 Website: http://www.fyichina.com.cn

(8) Connect to PC, more analysis functions can be achieved.

- Figure One: Software (Chinese and English can be available)



- Figure Two: Breaking strength test





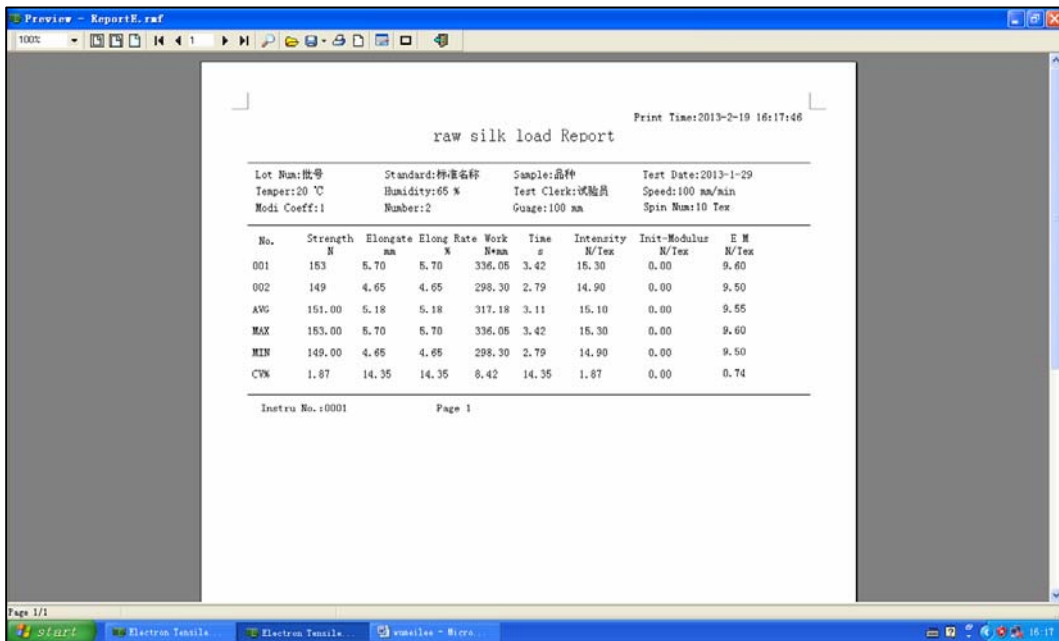
WWW.FYICHIINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.  
 DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
 ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
 TEL: +86-551-65232508  
 FAX: +86-551-65232507  
 Email: sales@hkdownell.com  
 Website: http://www.fyichina.com.cn

● Figure Three: Curve



● Figure Four: Report





WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.  
 DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
 ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
 TEL: +86-551-65232508  
 FAX: +86-551-65232507  
 Email: sales@hkdownell.com  
 Website: http://www.fyichina.com.cn

**Key Specifications:**

- Maximum force value 5000N
- Force error  $\leq 0.5\%$
- Moving range of upper clamp 25mm~500mm (selectable)
- Jog speed 2mm/min ~ 1200mm/min
- Return speed 2mm/min ~ 1000mm/min
- Speed control error  $< 2\%$
- Breakage time error  $\leq 0.01s$
- Linear density range 1.0~99.9 tex
- Power supply AC220V $\pm 10\%$ , 50Hz, 400W
- Instrument size (L×W×H) 380mm×480mm×1400mm
- Instrument weight 98kg

**Standard Configuration:**

No.	Item	Quantity
1	Main Machine	1 set
2	Software	1 set
3	Calibration Weights (50N)	1 set






**Optional Accessories:**

No.	Item	Quantity
1	PC	1 set
2	Tearing Clamp	1 set



WWW.FYICHINA.COM.CN






FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: http://www.fyichina.com.cn

3	Breaking Clamp		1 set
4	Grab Clamp		1 set
5	Plastic Film Clamp		1 set
6	Lever Clamp		1 set
7	Rubber/ Plastics Clamp		1 set



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: http://www.fyichina.com.cn





8	Wedge-shaped Clamp		1 set
9	Round Clamp		1 set
10	Ramie Clamp		1 set
11	Bundle Silk Clamp		1 set
12	Paper Clamp		1 set





WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: http://www.fyichina.com.cn

13	Cord Clamp		1 set
14	Filaments Clamp		1 set
15	Woven Wire Clamp		1 set
16	Wire Clamp		1 set



WWW.FYICHINA.COM.CN






FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: http://www.fyichina.com.cn

17	Single Yarn Clamp		1 set
18	Zipper Clamp (LL-01)		1 set
19	Zipper Clamp (LL-02)		1 set
20	Zipper Clamp (LL-03)		1 set



WWW.FYICHINA.COM.CN






FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: http://www.fyichina.com.cn

21	Zipper Clamp (LL-04)		1 set
22	Zipper Clamp (LL-05)		1 set
23	Buttons Clamp (NK-02)		1 set
24	Pneumatic Clamp (Q-04)		1 set
25	Pneumatic Clamp (Q-05)		1 set



WWW.FYICHINA.COM.CN






FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: http://www.fyichina.com.cn

26	Pneumatic Clamp (Q-01)		1 set
27	Pneumatic Clamp (Q-02)		1 set
28	Pneumatic Clamp (Q-03)		1 set
29	Leather Tear Clamp		1 set
30	Artificial Biological Tube Clamp (Horizontal Pull)		1 set



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: http://www.fyichina.com.cn

31	Artificial Biological Tube Clamp (Vertical Pull)		1 set
32	Buttons Clamp		1 set
33	Torque Clamp		1 set
34	Carpet Tufting Clamp		1 set
35	Anti-stitch Clamp		1 set



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.  
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088  
TEL: +86-551-65232508  
FAX: +86-551-65232507  
Email: sales@hkdownell.com  
Website: <http://www.fyichina.com.cn>

36	Peeling Clamp		1 set
37	Lea Yarn Clamp		1 set