

## BJ-1 DISINTEGRATION TESTER

●BJ series of instruments are used for detecting disintegration of solid in prescriptive conditions.

### Applicable standards:

- National standard (Chinese codex) /2015
- Industry Standard (Disintegration tester)

### Features:

- There are six tubes in one basket assembly.
- Auto stop at timing point.
- The bath liquid can achieve an even temperature.
- A MPU is used to automatically control the temperature, time and frequency of nacelle back and forth.
- The time parameters can be preset at anytime. The preset and real time data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications:

- Basket assembly 1
- Nacelle back and forth frequency (30~32) / min
- Nacelle back and forth range (55±1) mm
- Automatic time range (1~900) min
- Temperature range (ambient to 45) °C
- Accuracy of controlling temperature (37±0.5) °C
- Power 220V/ 50Hz/ 600W or 110V/ 60Hz/ 600W
- Dimension (260×300×420)mm<sup>3</sup>



## BJ-2 DISINTEGRATION TESTER

●BJ series of instruments are used for detecting disintegration of solid in prescriptive conditions.

### Applicable standards:

- National standard (Chinese codex) /2020
- Industry Standard (Disintegration tester)

### Features:

- There are twelve tubes in two basket assembly.
- Each test station is driven independently. Auto stop at timing point.
- The bath liquid can achieve an even temperature.
- A MPU is used to automatically control the temperature, time and frequency of nacelle back and forth.
- The time parameters can be preset at anytime. The preset and real time data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications:

- Basket assembly 2
- Nacelle back and forth frequency (30~32) / min
- Nacelle back and forth range (55±1) mm
- Automatic time range (1~900) min
- Temperature range (ambient to 45)°C
- Accuracy of controlling temperature (37±0.5)°C
- Power 220V/ 50Hz/ 600W or 110V/ 60Hz/ 600W
- Dimension (400×300×420) mm<sup>3</sup>





## BJ-3 DISINTEGRATION TESTER

●BJ series of instruments are used for detecting disintegration of solid in prescriptive conditions.

### Applicable standards:

- National standard (Chinese codex) /2020
- Industry Standard (Disintegration tester)

### Features:

- There are eighteen tubes in three basket assembly.
- Each test station is driven independently. Auto stop at timing point.
- The bath liquid can achieve an even temperature.
- A MPU is used to automatically control the temperature, time and frequency of nacelle back and forth.
- The time parameters can be preset at anytime. The preset and real time data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications:

- Basket assembly 3
- Nacelle back and forth frequency (30~32) / min
- Nacelle back and forth range (55±1) mm
- Automatic time range (1~900) min
- Temperature range (ambient to 45)°C
- Accuracy of controlling temperature (37±0.5)°C
- Power 220V/ 50Hz/ 600W or 110V/ 60Hz/ 600W
- Dimension (540×300×420) mm<sup>3</sup>



## CM SERIES CLARIFY TESTER

- They test clarify of injection and bottled medicine liquid.

### Applicable standards

- National standard(Chinese codex )/2020
- Health department standard
- Corporate standard(Clarify tester )

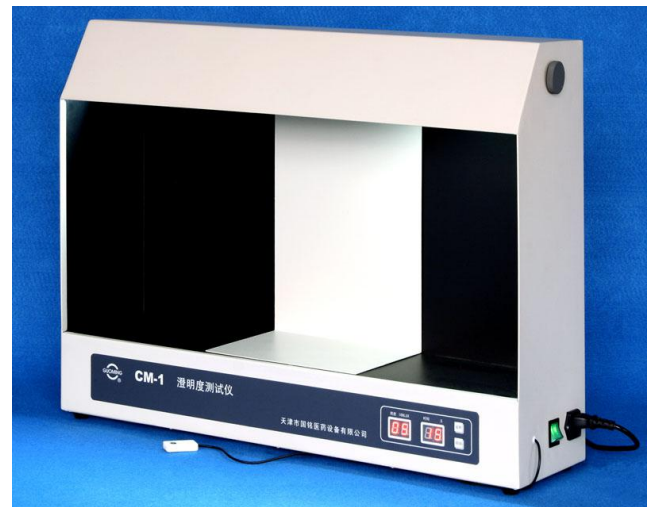
## CM-1 CLARIFY TESTER

### Features

- The three-primary-color fluorescent lamp is controlled by good lighting sensor, electronic inductor and shading.
- Flash eliminated. Illumination is adjustable.
- Time and alarm automatically. Test continuously.
- Used by one person.

### Specifications

- Lamp three-primary-color fluorescent lamp
- Illumination range (1000~4000) LUX
- Power 220V/ 50Hz/ 30W
- Time range (1~99) s



- Dimension (66\*18\*50) cm

## CM-2 CLARIFY TESTER



### Features

- The three-primary-color fluorescent lamp is controlled by good lighting sensor, electronic inductor and shading.
- Flash eliminated. Illumination is adjustable.
- Time and alarm automatically. Test continuously.
- Used by two person at the same time.

### Specifications

- Lamp three-primary-color fluorescent lamp
- Illumination range (1000~4000) LUX
- Time range (1~99) s
- Power 220V/ 50Hz/ 50W
- Dimension (66\*38\*50) cm

## CS-1 TABLET FRIABILITY TESTER

- CS series of instruments are used for detecting friability/ abrasion of tablet.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Tablet friability tester)

### Features

- Two drums run synchronously. Auto stop at timing point.
- The drum is made of high quality hyaline acryl.
- The speed and revolution of the drum can be preset at any time, either preset or real data is displayed on the LED.
- A MPU is used to control all operations, high accuracy is achieved in testing rotary speed and circle number.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications

- Cylinder number 2
- Cylinder radius  $\Phi 286\text{mm}$
- Cylinder depth 39mm
- Tablet fall height 156mm
- Rotation speed (20-90) rpm
- Rotation speed accuracy  $\pm 1\text{rpm}$
- Rotation count (10~900) r
- Rotation count accuracy  $\pm 1\text{r}$



- Power 220V/ 50Hz/ 60W or 110V/ 60Hz/ 60W
- Dimension (370×300×340)mm<sup>3</sup>



## CS-2 TABLET FRIABILITY TESTER

- CS series of instruments are used for detecting friability/ abrasion of tablet.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Tablet friability tester)

### Features

- Two drums run synchronously. Auto stop at timing point.
- The drum is made of high quality hyaline acryl.
- The speed and revolution of the drum is constant, either preset or real data is displayed on the LED.
- A MPU is used to control all operations, high accuracy is achieved in testing rotary speed and circle number.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications

- |                          |        |
|--------------------------|--------|
| ●Cylinder number         | 2      |
| ●Cylinder radius         | Φ286mm |
| ●Cylinder depth          | 39mm   |
| ●Tablet fall height      | 156mm  |
| ●Rotation speed          | 25rpm  |
| ●Rotation Speed accuracy | ±1rpm  |
| ●Rotation count          | 100 r  |
| ●Rotation count accuracy | ±1r    |



- Power 220V/ 50Hz/ 50W or 110V/ 60Hz/ 50W
- Dimension (370×300×340)mm<sup>3</sup>

## CS-3 TABLET FRIABILITY TESTER

- CS series of instruments are used for detecting friability/ abrasion of tablet.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Tablet friability tester)

### Features

- Two drums run synchronously. Auto stop at timing point.
- The drum is made of high quality hyaline acryl.
- The revolution of the drum can be preset at any time, either preset or real data is displayed on the LED.
- A MPU is used to control all operations, high accuracy is achieved in testing rotary speed and circle number.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications

- Cylinder number 2
- Cylinder radius  $\Phi 286\text{mm}$
- Cylinder depth 39mm
- Tablet fall height 156mm
- Rotation speed 25rpm
- Rotation Speed accuracy  $\pm 1\text{rpm}$
- Rotation count (10~900) r
- Rotation count accuracy  $\pm 1\text{r}$



- Power 220V/ 50Hz/ 50W or 110V/ 60Hz/ 50W
- Dimension (370×300×340)mm<sup>3</sup>

## CS-4 TABLET FRIABILITY TESTER

- CS series of instruments are used for detecting friability/ abrasion of tablet.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Tablet friability tester)

### Features

- Single drums runs. Auto stop at timing point.
- The drum is made of high quality hyaline acryl.
- The speed and revolution of the drum is constant, either preset or real data is displayed on the LED.
- A MPU is used to control all operations, high accuracy is achieved in testing rotary speed and circle number.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications

- |                           |        |
|---------------------------|--------|
| ● Cylinder number         | 1      |
| ● Cylinder radius         | Φ286mm |
| ● Cylinder depth          | 39mm   |
| ● Tablet fall height      | 156mm  |
| ● Rotation speed          | 25rpm  |
| ● Rotation Speed accuracy | ±1rpm  |
| ● Rotation count          | 100 r  |
| ● Rotation count accuracy | ±1r    |



- Power 220V/ 50Hz/ 50W or 110V/ 60Hz/ 20W
- Dimension (300×200×330)mm<sup>3</sup>



## **H D — 1 A THICKNESS TESTER**

- HD series of instruments are used for detecting thickness of tablet and capsule.

### **Applicable standard**

- Corporate standard (Thickness tester)

### **Features**

- Used for measuring thickness of peak and wall of capsule.
- High-accuracy test with the most precise, high-quality electronic indicator.

### **Specifications**

- Test range            0~0.5"/12.7 mm
- Test accuracy        0.001"/0.02 mm
- Type of capsule      00、0、1、2、3、4、5 type capsule

## H D — 2 A THICKNESS TESTER

- HD series of instruments are used for detecting thickness of tablet and capsule.

### Applicable standard

- Corporate standard (Thickness tester)

### Features

- Used for measuring thickness of peak and wall of capsule & diameter of tablet and pill.
- High-accuracy test with the most precise, high-quality electronic indicator.

### Specifications

- Test range 0~1"/25.4mm
- Test accuracy 0.001"/0.02 mm
- Type of capsule 00、0、1、2、3、4、5 type capsule
- Dimension ( 200 × 80 × 50 ) mm
- weight 0.9 kg



## H D — 3 A THICKNESS TESTER

- HD series of instruments are used for detecting thickness of tablet and capsule.

### Applicable standard

- Corporate standard (Thickness tester)

### Features

- Used for measuring thickness of peak and wall of capsule.
- High-accuracy test with the most precise, high-quality electronic indicator.

### Specifications

- Test range            0~0.5"/12.7 mm
- Test accuracy        0.001"/0.02 mm
- Type of capsule      00、0、1、2、3、4、5 type capsule





## **H D — 4 A THICKNESS TESTER**

- HD series of instruments are used for detecting thickness of tablet and capsule.

### **Applicable standard**

- Corporate standard (Thickness tester)

### **Features**

- Used for measuring thickness of peak and wall of capsule & diameter of tablet and pill.
- High-accuracy test with the most precise, high-quality electronic indicator.

### **Specifications**

- Test range            0~1"/25.4mm
- Test accuracy        0.001"/0.02 mm
- Type of capsule      00、0、1、2、3、4、5 type capsule
- Dimension            ( 200 × 80 × 50 ) mm
- weight                0.9 kg



## **JS-2 GELATIN GEL STRENGTH TEST SYSTEM**

**This system is provided for detecting jelly strength of gelatin.**

### **It Consists of:**

- JS-2 Jelly strength tester
- HW-3 Constant temperature bath
- ZL-3 Refrigerator

### **Applicable standard**

- National standard (Food additive Gelatin)。
- National standard (Hard gelatin Capsule for medicine)
- Vocation standard (Gelatin for medicine)
- Vocation standard (Photographic gelatin)
- Vocation standard (Industrial gelatin)
- Vocation standard (Bone gelatin)
- American codex
- Corporate standard(Thickness tester)

### **Features:**

- A MPU is used to control all operations in Jelly strength system. It works in Bloom mode and the Bloom gram is displayed by LED. The probe is of British standard.

- Using high-precision pressure sensor, auto-correcting nonlinear errors, high accuracy.
- Any sampling depth can be preset, with five sampling speeds, three sampling mode and two sampling results.
- Using precise mechanical transmission gear with shock absorber, operating placidly, displaying stably.
- Precisely constant temperature bath system is composed of invariable temperature water tank and refrigerate.
- Using magnetism pump system to circulate water for equably heating, bath temperature getting even.
- Using high-precision **digital temperature sensor**, with little linear error and high accuracy in testing temperature.
- Using auto frequency-conversion control technology, controlling temperature intellectually high accurately.
- A new type of high-reliability and great-power compressor applied in refrigerator, with high speed and low noise in refrigeration.
- Presetting temperature at will, displaying preset and real-time data alternately in time. **With the function of digital check.**
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications:

● Test range		(7~1000) g
● Test accuracy Max		±5 g
● Travel		(1~60) mm
● Travel accuracy		±0.1 mm
● Temperature control range		(5~45) °C
● Temperature control accuracy		±0.1 °C
● Cooling time		(30 °C→10 °C) < 40 min
● Volume accuracy		±0.5 ml
● Power		220V/50Hz/1200W
● Dimension	JS-2	(26×26×42) cm <sup>3</sup>
	HW-3	(58×44×22) cm <sup>3</sup>
	ZL-3	(48×38×29) cm <sup>3</sup>



## ND-2A BLOOM VISCOSITY TESTER CO.,LTD.

- ND series of instruments are used for detecting Bloom viscosity of gelatin.

### Applicable standard

- National standard (Food additive Gelatin)
- National standard (Hard gelatin capsule for medicine)
- Industry standard (Gelatin for medicine)
- Corporate standard (Thickness tester)

### Features:

- A MPU is used to control all operations in Bloom Viscosity tester. It works in Bloom mode and the viscosity data is displayed by LED.
- High temperature accuracy . Even temperature of the bath liquid.
- Using capillary and precise photo-electricity transducer.
- Automatically calculating time and viscosity.
- Auto-timing, auto-alarmed, auto-testing continually.
- Auto-preset piece number, auto-test hardness, display preset and real-time data alternately in time.
- Automation : auto-test, auto-diagnose, auto-alarm.

### Specifications:

- |                               |                |                   |            |             |                               |
|-------------------------------|----------------|-------------------|------------|-------------|-------------------------------|
| ●Test range                   | (0~99.9) mPa s | ●Volume           | 100 ml     | ●Time range | (0~999.9) s                   |
| ●Test accuracy                | ±0.1 mPa s     | ●Volume accuracy  | ±1 ml      | ●Power      | 220V/ 50Hz/ 600W              |
| ●Temperature control          | 20.0-70.0 °C   | ●Recital distance | (152±2) mm | ●Dimension  | (400×300×450) mm <sup>3</sup> |
| ●Temperature control accuracy | ±0.1 °C        |                   |            |             |                               |



## ND-3 BLOOM VISCOSITY TESTER

- ND series of instruments are used for detecting Bloom viscosity of gelatin.

### Applicable standard

- National standard (Food additive Gelatin)
- National standard (Hard gelatin capsule for medicine)
- Industry standard (Gelatin for medicine)
- Corporate standard (Thickness tester)

### Features:

- A MPU is used to control all operations in Bloom Viscosity tester. It works in Bloom mode and the viscosity data is displayed by LED.
- High temperature accuracy . Even temperature of the bath liquid.
- Using capillary and precise photo-electricity transducer.
- Automatically calculating time and viscosity.
- Auto-timing, auto-alarms, auto-testing continually.
- Auto-preset piece number, auto-test hardness, display preset and real-time data alternately in time.
- Automation : auto-test, auto-diagnose, auto-alarm.

### Specifications:

- |  |                                     |   |
|--|-------------------------------------|---|
| ●Test range (0~9.99) mPa s                 | ●Volume 100ml                       | ●Time range (0~99.99) s                 |
| ●Test accuracy $\pm 0.02 \text{ mPa s}$    | ●Volume accuracy $\pm 1 \text{ ml}$ | ●Power 220V/ 50Hz/ 600W                 |
| ●Temperature range (20~70) °C              | ●Recital distance (152 $\pm$ 2)mm   | ●Dimension (400×300×450)mm <sup>3</sup> |
| ●Temperature control accuracy $\pm 0.1$ °C |                                     |   |



## PJ-3 TABLET FOUR-USAGE TESTER

- It has four functions: detecting pharmonic dissolution, disintegration, friability/abrasion and hardness of tablet.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Dissolution tester)
- Industry Standard (Disintegration tester)
- Industry Standard (Tablet friability tester)
- Corporate standard (Tablet hardness tester)

### Features

- Intellectualized, auto-control, auto-test, auto-diagnose, auto-alarm.
- The circular water current pumped by magnetism pump can heat the system equally, and the bath liquid can achieve an even temperature.
- Temperature is high accurately auto-controlled.
- Auto stop at timing point.
- Parameters can be preset at any time, the preset and real data are displayed alternately in time.
- It has three vessels and three poles arranged on one line. The head part of the instrument can be artificially turned over smoothly and flexibly.
- Two disintegrations run synchronously. Auto stop at timing point.
- High accuracy is achieved in testing rotary speed and counting friability.
- The hardness has high accuracy press sensor and hardness data is displayed in Newton.
- It tests tablet hardness continuously. The tablet is loaded and pressed artificially.
- Auto-display, auto-memorize, auto-reset, auto-retest.



### Specifications

- |                                    |                       |                          |                                  |
|------------------------------------|-----------------------|--------------------------|----------------------------------|
| ● Stations of dissolution          | 3                     | ● Cylinder number        | 1                                |
| ● Temperature range                | (20~45) °C ± 0.3 °C   | ● Drum's size            | radius: Φ286mm depth: 39mm       |
| ● Speed range                      | (20~200 )rpm ± 2 rpm  | ● Tablet fall height     | 156 mm                           |
| ● Automatic time range             | (1~900) min ± 0.5 min | ● Rotation speed         | 25 rpm ± 1 rpm                   |
| ● Paddle radial run-out            | ± 0.5 mm              | ● Rotation count         | 100 r ± 1 r                      |
| ● Basket radial run-out            | ± 1.0 mm              | ● Hardness range         | (2~200) N                        |
| ● basket assemblies                | 2                     | ● Probe procession range | (3~20) mm                        |
| ● Nacelle back and forth frequency | (30~32) / min         | ● Dimension              | (59×30×48) cm                    |
| ● Nacelle back and forth range     | (55±2) mm             | ● Power                  | 220V/50Hz/600W or 110V/60Hz/600W |



## RB-1 SUPPOSITORY DISINTEGRATION

**It is used for testing thaw of the suppository etc.**

### Applicable standards:

National standard (Chinese codex) / 2020

### Features:

- The three net frames can be synchronously turn artificially.
- Hyaline sleeve and net frame are made of stainless steel.
- The overturn machine is up-to date and it can be turned flexibly.
- A MPU is used to automatically control the temperature.
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- Temperature and time controlled automatically.
- Timing at will. The preset and real time data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- Indicating and forecasting when turning over at preset time, alarming at fault

### Specifications:

- Numbers of sleeve 3units
- Hyaline sleeve high 60mm diameter inner 52mm
- The net frame of stainless steel two pieces diameter 50mm each 39 holes of 4mm
- Turn frequency 1/10 min
- Automatic time range (10~120) min
- Accuracy of controlling temperature (37±0.5) °C



- Capacity of beaker 4L
- Power 220V/ 50Hz/ 1000W or 110V/ 60Hz/ 1000W
- Dimension (68\*38\*58) cm<sup>3</sup>



## RC-1 DISSOLUTION TESTER

- RC series of instruments are used for detecting velocity and extent of pharmic dissolution from tablet, capsule etc in prescriptive menstruum.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Dissolution tester)

### Features

- It has one vessels and one poles arranged on one line.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LED. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.



### Specifications

- |                         |                                  |                         |              |
|-------------------------|----------------------------------|-------------------------|--------------|
| ● Speed range           | (20~200) rpm                     | ● Speed accuracy        | ±2rpm        |
| ● Temperature range     | ambient to +45.0℃                | ● Temperature Stability | ±0.3℃        |
| ● Automatic time range  | (5~900) min                      | ● Time accuracy         | ±0.3%        |
| ● Paddle radial run-out | ±0.5mm                           | ● Basket radial run-out | ±1.0mm       |
| ● Power                 | 220V/50Hz/600W or 110V/60Hz/600W | ● Dimension             | (26×30×48)cm |

## RC-3 DISSOLUTION TESTER

- RC series of instruments are used for detecting velocity and extent of pharmic dissolution from tablet, capsule etc in prescriptive menstruum.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Dissolution tester)

### Features

- It has three vessels and three poles arranged on one line.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LED. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.



### Specifications

- |                         |                                  |                         |              |
|-------------------------|----------------------------------|-------------------------|--------------|
| ● Speed range           | (20~200) rpm                     | ● Speed accuracy        | ±2rpm        |
| ● Temperature range     | ambient to +45.0℃                | ● Temperature Stability | ±0.3℃        |
| ● Automatic time range  | (5~900) min                      | ● Time accuracy         | ±0.3%        |
| ● Paddle radial run-out | ±0.5mm                           | ● Basket radial run-out | ±1.0mm       |
| ● Power                 | 220V/50Hz/600W or 110V/60Hz/600W | ● Dimension             | (51×30×48)cm |

## RC-6 DISSOLUTION TESTER

●RC series of instruments are used for detecting velocity and extent of pharomic dissolution from tablet, capsule etc in prescriptive menstruum.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Dissolution tester)

### Features

- It has six vessels and six poles, arranged on one line.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LED. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- It can test by self and alarm automatically. The dissolution parameters of Chinese codex are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.



### Specifications

- |                            |                                    |                        |               |
|----------------------------|------------------------------------|------------------------|---------------|
| ●Speed range               | (20~200) rpm                       | ●Speed accuracy        | ±2 rpm        |
| ●Temperature range         | ambient to +45.0 °C                | ●Temperature Stability | ±0.3 °C       |
| ●Preset timing nine points | (1~999) min                        | ●Time accuracy         | ±0.3 %        |
| ●Paddle radial run-out     | ±0.5 mm                            | ●Basket radial run-out | ±1.0 mm       |
| ●Power                     | 220V/50Hz/1200W or 110V/60Hz/1200W | ●Dimension             | (96×32×48) cm |

## RC-6D DISSOLUTION TESTER

●RC series of instruments are used for detecting velocity and extent of pharomic dissolution from tablet, capsule etc in prescriptive menstruum.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Dissolution tester)

### Features

- It has six vessels and six poles arranged on one line.
- The head moves up/down automatically .
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LED. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- It can test by self and alarm automatically. The dissolution parameters of Chinese codex are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.



### Specifications

- |                            |                                    |                        |               |
|----------------------------|------------------------------------|------------------------|---------------|
| ●Speed range               | (20~200) rpm                       | ●Speed accuracy        | ±2 rpm        |
| ●Temperature range         | ambient to +45.0 °C                | ●Temperature Stability | ±0.3 °C       |
| ●Preset timing nine points | (1~999) min                        | ●Time accuracy         | ±0.3 %        |
| ●Paddle radial run-out     | ±0.5 mm                            | ●Basket radial run-out | ±1.0 mm       |
| ●Power                     | 220V/50Hz/1200W or 110V/60Hz/1200W | ●Dimension             | (96×40×48) cm |



## RC-8 DISSOLUTION TESTER

●RC series of instruments are used for detecting velocity and extent of pharomic dissolution from tablet, capsule etc in prescriptive menstruum.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Dissolution tester)

### Features

- It has eight vessels and six poles, with six vessels and six poles in back and other two vessels at front.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LED. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- It can test by self and alarm automatically. The dissolution parameters of Chinese codex are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.



### Specifications

- |                            |                                    |                        |               |
|----------------------------|------------------------------------|------------------------|---------------|
| ●Speed range               | (20~200) rpm                       | ●Speed accuracy        | ±2 rpm        |
| ●Temperature range         | ambient to +45.0 °C                | ●Temperature Stability | ± 0.3 °C      |
| ●Preset timing nine points | (1~999) min                        | ●Time accuracy         | ±0.3 %        |
| ●Paddle radial run-out     | ±0.5 mm                            | ●Basket radial run-out | ±1.0 mm       |
| ●Power                     | 220V/50Hz/1200W or 110V/60Hz/1200W | ●Dimension             | (96×44×48) cm |

## RC-8D DISSOLUTION TESTER

●RC series of instruments are used for detecting velocity and extent of pharomic dissolution from tablet, capsule etc in prescriptive menstruum.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Dissolution tester)

### Features

- It has eight vessels and six poles, with six vessels and six poles in back and other two vessels at front.
- The head moves up/down automatically.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LED. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- It can test by self and alarm automatically. The dissolution parameters of Chinese codex are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.



### Specifications

- |                            |                                    |                        |               |
|----------------------------|------------------------------------|------------------------|---------------|
| ●Speed range               | (20~200) rpm                       | ●Speed accuracy        | ±2 rpm        |
| ●Temperature range         | ambient to +45.0 °C                | ●Temperature Stability | ± 0.3 °C      |
| ●Preset timing nine points | (1~999) min                        | ●Time accuracy         | ±0.3 %        |
| ●Paddle radial run-out     | ±0.5 mm                            | ●Basket radial run-out | ±1.0 mm       |
| ●Power                     | 220V/50Hz/1200W or 110V/60Hz/1200W | ●Dimension             | (96×52×48) cm |

## RC-8DS DISSOLUTION TESTER

- RC series of instruments are used for detecting velocity and extent of pharomic dissolution from tablet, capsule etc in prescriptive menstruum.

### Applicable standards

- National standard (Chinese codex) /2020
- Industry Standard (Dissolution tester)

### Features

- It has eight vessels and eight poles, with four vessels and four poles in front and other at back.
- The head moves up/down automatically.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LED. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- It can test by self and alarm automatically. The dissolution parameters of Chinese codex are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.



### Specifications

- |                             |                                    |                         |               |
|-----------------------------|------------------------------------|-------------------------|---------------|
| ● Speed range               | (20~200) rpm                       | ● Speed accuracy        | ±2 rpm        |
| ● Temperature range         | ambient to +45.0 °C                | ● Temperature Stability | ±0.3 °C       |
| ● Preset timing nine points | (1~999) min                        | ● Time accuracy         | ±0.3 %        |
| ● Paddle radial run-out     | ±0.5 mm                            | ● Basket radial run-out | ±1.0 mm       |
| ● Power                     | 220V/50Hz/1200W or 110V/60Hz/1200W | ● Dimension             | (68×54×48) cm |

# RC-12DS DISSOLUTION TESTER

- **RC series of instruments**  
are used for detecting  
velocity and extent of  
pharmic dissolution from  
tablet, capsule etc in  
prescriptive menstruum.

## Applicable standards

- National standard (Chinese  
codex) /2020
- Industry Standard  
(Dissolution tester)

## Features

- It has twelve vessels and twelve poles, with six vessels and six poles in front and other at back.
- The head moves up/down automatically.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LED. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- It can test by self and alarm automatically. The dissolution parameters of Chinese codex are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.

## Specifications

- |                             |                                    |                         |               |
|-----------------------------|------------------------------------|-------------------------|---------------|
| ● Speed range               | (20~200) rpm                       | ● Speed accuracy        | ±2 rpm        |
| ● Temperature range         | ambient to +45.0 °C                | ● Temperature Stability | ±0.3 °C       |
| ● Preset timing nine points | (1~999) min                        | ● Time accuracy         | ±0.3 %        |
| ● Paddle radial run-out     | ±0.5 mm                            | ● Basket radial run-out | ±1.0 mm       |
| ● Power                     | 220V/50Hz/1200W or 110V/60Hz/1200W | ● Dimension             | (96×54×48) cm |



## RD-1 MELTING POINT TESTER

- Melting point is the temperature of something turning to liquid from solid. Testing it is the main method to detect some characters such as purity etc. RD series are suitable for testing Melting points of drug, spice and dye etc.

### Applicable standards:

- National standard (Chinese codex) /2020
- Corporate standard(Thickness tester)

### Features:

- Testing the temperature with high-precision sensor. emending nonlinear error automatically.
- Using auto frequency-conversion control technology, with high accuracy in controlling temperature and little linear error in heating speed.
- Auto-memorizing and noting preset data and melt point, holding without power.
- Auto magnetism stirrer, with the bath oil even in temperature.
- Auto-preset temperature, auto-heat, display preset and real-time data alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm



### Specifications:

- Range of melting point (50~270) °C
- Range of melting point (50~270) °C
- Accuracy <200°C  $\nrightarrow$   $\pm 0.5^{\circ}\text{C}$   
 $\geq 200^{\circ}\text{C}$   $\nrightarrow$   $\pm 1.0^{\circ}\text{C}$
- Usage temperature (15~35) °C
- Range of preset temperature (50~260) °C
- Oil bath methyl silicone oil
- Oil bath cup 250ML high beaker
- Rate (0.5、1.0、1.5、3.0) °C / min
- Accuracy of Rate  $\leq 10\%$
- Power of the heater 200W
- Power 220V / 50Hz / 500W
- Dimension (320\*180\*290) mm<sup>3</sup>

## TM-1 TRANSPARENCY TESTER

- Transparency tester is requisite for detecting transparency of gelation.

### Applicable standards:

- National standard (Food additive Gelatin)
- National standard (Hard gelatin capsule for medicine)
- Vocation standard (Gelatin for medicine)
- Corporate standard (Thickness tester)

### Features:

- Thoroughly eliminating the influence to results by environment and experimenter's visual error.
- Standard test tube and same capacity of sample.
- High stable light source system, equal brightness.
- High precise photoelectric transducers for testing exactly.
- Auto-testing, transparency being conversion accounted automatically.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications:

- Test range (20~500) mm
- Test accuracy  $\pm 5$  mm
- Volume 400ml
- Power 220V/ 50Hz/ 80W ● Dimension (360×240×120) mm<sup>3</sup>



## TM-2 TRANSPARENCY TESTER

- Transparency tester is requisite for detecting transparency of gelation.

### Applicable standards:

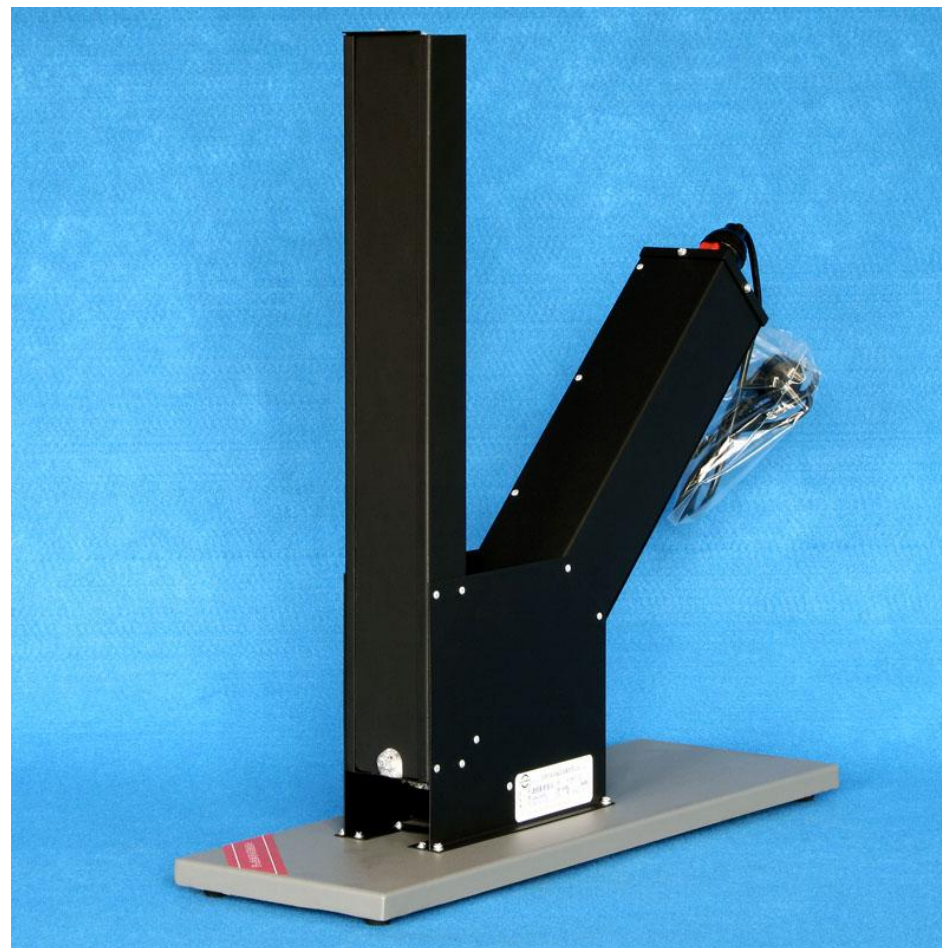
- National standard (Food additive Gelatin)
- National standard (Hard gelatin capsule for medicine)
- Vocation standard (Gelatin for medicine)
- Corporate standard (Thickness tester)

### Features:

- Thoroughly eliminating the influence to results by environment.
- Sample being conveniently taken out or put in by using standard test tube.
- Airtight light source system.

### Specifications:

- Test range (20~500) mm
- Test accuracy  $\pm 5$  mm
- Volume 400ml
- Power 220V/ 50Hz/ 80W
- Dimension (60×20×63) cm<sup>3</sup>





# YD-1A TABLET HARDNESS TESTER

- Tablet hardness testers are instruments for detecting breaking hardness of tablet.

## Applicable standards:

- Corporate standard (Tablet hardness tester )

## Features:

- The tablet is loaded and pressed artificially.
- There is high accuracy press sensor and AD converter.  
Hardness data is displayed on LED.
- Automatically zero after warming up.
- Digital calibration and zero adjustment.
- N / KG conversion by one-button.
- It tests tablet hardness continuously.
- Test data is displayed and locked automatically, so can test be reset and cycled.
- Automation: auto-test, auto-diagnose, auto-alarm.

## Specifications:

- Hardness range (2~200) N/(0.2~20) kg
- Hardness accuracy  $\pm 1.5\%$
- Probe procession range (3~20) mm

- Power 220V/ 50Hz/ 5W or 110V/ 60Hz/ 5W
- Dimension (32\*18\*11) cm<sup>3</sup>
- Weight 3.6 kg





## YD-2 TABLET HARDNESS TESTER

- Tablet hardness testers are instruments for detecting breaking hardness of tablet.

### Applicable standards:

Corporate standard (Tablet hardness tester )

### Features:

- The tablet is loaded artificially and pressed automatically.
- There is high accuracy press sensor and hardness data is displayed on LED.
- It tests tablet hardness continuously. The biggest number is 100 pieces of a gang.
- Time of testing will be saved by directly measuring the diameter.
- Test data is displayed and locked automatically, so can test be reset and cycled.
- It can deal with and print out such data as: hardness of each tablet, the maximum value, the minimal value, the average value and the number of tablets.
- The parameters can be preset at any time. Either preset or real data is displayed on the LED.
- Automation: auto-test, auto-diagnose, auto-alarm.



### Specifications:

- |                          |            |                            |                                    |
|--------------------------|------------|----------------------------|------------------------------------|
| ● Hardness range         | (2~300) N  | ● Max number in each group | ≤100 P                             |
| ● Hardness accuracy      | ±1.5 %     | ● Power                    | 220V/ 50Hz/ 60W or 110V/ 60Hz/ 60W |
| ● Probe procession range | (3~40) mm  | ● Dimension                | (50*30*16) cm <sup>3</sup>         |
| ● Test period            | ≥ 30 S / P | ● Weight                   | 12 kg                              |

## YD-2 TABLET HARDNESS TESTER

- Tablet hardness testers are instruments for detecting breaking hardness of tablet.

### Applicable standards:

Corporate standard (Tablet hardness tester )

### Features:

- The tablet is loaded artificially and pressed automatically.
- There is high accuracy press sensor and hardness data is displayed on LED.
- It tests tablet hardness continuously. The biggest number is 100 pieces of a gang.
- Time of testing will be saved by directly measuring the diameter.
- Test data is displayed and locked automatically, so can test be reset and cycled.
- It can deal with and print out such data as: hardness of each tablet, the maximum value, the minimal value, the average value and the number of tablets.
- The parameters can be preset at any time. Either preset or real data is displayed on the LED.
- Automation: auto-test, auto-diagnose, auto-alarm.



### Specifications:

- |                          |            |                            |                                    |
|--------------------------|------------|----------------------------|------------------------------------|
| ● Hardness range         | (2~200) N  | ● Max number in each group | ≤100 P                             |
| ● Hardness accuracy      | ±1.5 %     | ● Power                    | 220V/ 50Hz/ 60W or 110V/ 60Hz/ 60W |
| ● Probe procession range | (3~40) mm  | ● Dimension                | (50*30*16) cm <sup>3</sup>         |
| ● Test period            | ≥ 30 S / P | ● Weight                   | 12 kg                              |

## YD-3 TABLET HARDNESS TESTER

- Tablet hardness testers are instruments for detecting breaking hardness of tablet.

### Applicable standards:

Corporate standard (Tablet hardness tester )

### Features:

- The tablet is loaded artificially and pressed automatically.
- There is high accuracy press sensor and hardness data is displayed on LED.
- It tests tablet hardness continuously. The biggest number is 100 pieces of a gang.
- Time of testing will be saved by directly measuring the diameter.
- Test data is displayed and locked automatically, so can test be reset and cycled.
- It can deal with and memorize such data as: hardness of each tablet, the maximum value, the minimal value, the average value, the number of tablets.
- The parameters can be preset at any time. Either preset or real data is displayed on the LED.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications:

- |                          |            |                            |                                    |
|--------------------------|------------|----------------------------|------------------------------------|
| ● Hardness range         | (2~300) N  | ● Max number in each group | ≤100 P                             |
| ● Hardness accuracy      | ±1.5%      | ● Power                    | 220V/ 50Hz/ 60W or 110V/ 60Hz/ 60W |
| ● Probe procession range | (3~40) mm  | ● Dimension                | (40*24*15) cm <sup>3</sup>         |
| ● Test period            | ≥ 30 S / P | ● Weight                   | 10 kg                              |





## YD-3 TABLET HARDNESS TESTER

- Tablet hardness testers are instruments for detecting breaking hardness of tablet.

### Applicable standards:

Corporate standard (Tablet hardness tester )

### Features:

- The tablet is loaded artificially and pressed automatically.
- There is high accuracy press sensor and hardness data is displayed on LED.
- It tests tablet hardness continuously. The biggest number is 100 pieces of a gang.
- Time of testing will be saved by directly measuring the diameter.
- Test data is displayed and locked automatically, so can test be reset and cycled.
- It can deal with and memorize such data as: hardness of each tablet, the maximum value, the minimal value, the average value, the number of tablets.
- The parameters can be preset at any time. Either preset or real data is displayed on the LED.
- Automation: auto-test, auto-diagnose, auto-alarm.

### Specifications:

- Hardness range (2~200) N
- Hardness accuracy  $\pm 1.5\%$
- Probe procession range (3~40) mm
- Test period  $\geq 30$  S / P

- Max number in each group  $\leq 100$  P
- Power 220V/ 50Hz/ 60W or 110V/ 60Hz/ 60W
- Dimension (40\*24\*16) cm<sup>3</sup>
- Weight 8 kg





## R Y — 1 Melting point tester

- Melting point is the temperature of something turning to liquid from solid. Testing it is the main method to detect some characters such as purity etc.
- RY series are suitable for testing Melting points of drug,

### Applicable standard

- Corporate standard ( Melting point tester) Q/12XQ0185-2004

### Features

- Test temperature with standard mercury thermometer.
- Adjust heating voltage by a knob.
- Display voltage with a analog voltmeter.
- Observe Melting sample by a magnifier.
- Test three samples at once.

### Specifications

- Range of melting point (50~300)℃
- Accuracy  $\pm 1.0$ ℃
- Usage temperature (15~35)℃
- Rate (1.0、2.0、4.0、6.0)℃/min
- Power of the heater 100W
- Power 220V/50Hz/100W
- Dimension (190\*120\*200)mm<sup>3</sup>



## R Y — 2 Melting point tester

- Melting point is the temperature of something turning to liquid from solid. Testing it is the main method to detect some characters such as purity etc.
- RY series are suitable for testing Melting points of drug, spice and dye etc..

### Applicable standard

- Corporate standard ( Melting point tester) Q/12XQ0185-2004

### Features

- Test temperature with standard mercury thermometer.
- Adjust heating voltage by keystroke.
- Display voltage with a digital voltmeter.
- Observe Melting sample by a magnifier.
- Test three samples at once.

### Specifications

- Range of melting point (50~300)℃
- Accuracy  $\pm 1.0$ ℃
- Usage temperature (15~35)℃
- Rate (1.0、2.0、4.0、6.0)℃/min
- Power of the heater 100W
- Power 220V/50Hz/100W
- Dimension (190\*120\*200)mm<sup>3</sup>

