

Pharmaceutical Testers

1. **Dissolution tester**
2. **Disintegration tester**
3. **Thaw tester**
4. **Tablet friability tester**
5. **Table hardness tester**
6. **Tablet four-usage tester**
7. **Clarity tester**
8. **Thickness tester**
9. **Melting-point tester**
10. **Fast moisture tester**
11. **Gelatin gel strength test system**
12. **Bloom viscosity tester**
13. **Transparency tester**
14. **Magnetic stirrer**

RC – 6 Dissolution tester

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

Applicable standards

- National standard(Chinese codex) /2000/
- Corporate standard(Dissolution tester)Q/12XQ0187-2004

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 stainl-ess steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- AMPU 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 2000' 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 $+39.9^{\circ}\text{C}$
- Temperature Stability $\pm 0.3^{\circ}\text{C}$
- Preset timing six points(1 ~ 999)min
- Time accuracy ± 0.5 min
- Paddle radial run-out ± 0.5 mm
- Basket radial run-out ± 1.0 mm
- Power 220V/50Hz/1000W or 110V/60Hz/1000W
- Dimension (960*320*480)mm³



RC – 8 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) /2000/
- Corporate standard(Dissolution tester)Q/12XQ0187-2004

Features

- It has eight vessels and six poles, with six vessels and six poles in front and other two vessels at back.
- 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 2000' 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 $+39.9^{\circ}\text{C}$
- Temperature Stability $\pm 0.3^{\circ}\text{C}$
- Preset timing six points(1 ~ 999)min
- Time accuracy ± 0.5 min
- Paddle radial run-out ± 0.5 mm
- Basket radial run-out ± 1.0 mm
- Power 220V/50Hz/1000W or 110V/60Hz/1000W
- Dimension (960*440*480)mm³



RC - 6 D 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) /2000/
- Corporate standard (Dissolution tester) Q/12XQ0187-2004

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 2000' 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 $+39.9^{\circ}\text{C}$
- Temperature Stability $\pm 0.3^{\circ}\text{C}$
- Preset timing six points (1~999)min
- Time accuracy ± 0.5 min
- Paddle radial run-out ± 0.5 mm
- Basket radial run-out ± 1.0 mm
- Power 220V/50Hz/1000W or 110V/60Hz/1000W
- Dimension (960*400*480)mm³



RC - 8 D 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)/2000/
- Corporate standard(Dissolution tester)Q/12XQ0187-2004

Features

- It has eight vessels and six poles, with six Vessels and six poles in front and other two vessels 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 2000' 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
- Accuracy of speed ± 2 rpm
- Temperature range ambient to $+39.9^{\circ}\text{C}$
- Temperature Stability $\pm 0.3^{\circ}\text{C}$
- Preset timing six points (1~999)min
- Time accuracy ± 0.5 min
- Paddle radial run-out ± 0.5 mm
- Basket radial run-out ± 1.0 mm
- Power 220V/50Hz/1000W or 110V/60Hz/1000W
- Dimension (960*520*480)mm³



RC – 8 D S 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)/2000/
- Corporate standard(Dissolution tester)Q/12XQ0187-2004

Features

- It has eight vessels and eight poles with four Vessels and four poles in front and others at back.
- The head moves up/down automatically.
- The basket units and paddle units are made of 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 2000' 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 $+39.9^{\circ}\text{C}$
- Temperature Stability $\pm 0.3^{\circ}\text{C}$
- Preset timing six points (1~999)min
- Time accuracy ± 0.5 min
- Paddle radial run-out ± 0.5 mm
- Basket radial run-out ± 1.0 mm
- Power 220V/50Hz/1000W or 110V/60Hz/1000W
- Dimension (680*540*480)mm³



RC – 3 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) /2000/
- Corporate standard(Dissolution tester) Q/12XQ0187-2004

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 ± 2 rpm
- Temperature range ambient to $+39.9^{\circ}\text{C}$
- Temperature Stability $\pm 0.3^{\circ}\text{C}$
- Automatic time range (5~900)min
- Time accuracy ± 0.5 min
- Paddle radial run-out ± 0.5 mm
- Basket radial run-out ± 1.0 mm
- Power 220V/50Hz/600W or 110V/60Hz/600W
- Dimension (510*300*480)mm³



BJ – 1 Disintegration tester

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

Applicable standards

- National standard (Chinese codex)/2000/
- Corporate standard (Disintegration tester) Q/12XQ0188-2004

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.
- Timing at will. 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 (5~120)min
- Accuracy of controlling temperature (37±0.5)°C
- Power 220V/50Hz/600W or 110V/60Hz/600W
- Dimension (260×300×420)mm³



BJ – 2 Disintegration tester

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

Applicable standards

- National standard (Chinese codex)/2000/
- Corporate standard (Disintegration tester) Q/12XQ0188-2004

Features

- There are twelve tubes in two basket assemblies.
- 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.
- Timing at will. The preset and real time data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.

Specifications

- basket assemblies 2
- Nacelle back and forth frequency (30~32) /min
- Nacelle back and forth range (55±1)mm
- Automatic time range (5~120)min
- Accuracy of controlling temperature (37±0.5)°C
- Power 220V/50Hz/600W or 110V/60Hz/600W
- Dimension (400×300×420)mm³

BJ – 3 Disintegration tester

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

Applicable standards

- National standard (Chinese codex)/2000/
- Corporate standard (Disintegration tester) Q/12XQ0188-2004

Features

- There are eighteen tubes in three basket assemblies.
- 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.
- Timing at will. The preset and real time data can be displayed alternately in time.
- Automation : auto-test, auto-diagnose, auto-alarm.

Specifications

- basket assemblies 3
- Nacelle back and forth frequency (30~32) /min
- Nacelle back and forth range (55 ± 1)mm
- Automatic time range (5~120)min
- Accuracy of controlling temperature (37 ± 0.5)°C
- Power 220V/50Hz/600W or 110V/60Hz/600W
- Dimension (540 × 300 × 420)mm³



RB – 1 Thaw tester

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

Applicable standard

- National standard (Chinese codex)/2000/

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 1/10min
- 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 (680*380*580)mm³



CS-1 Tablet friability tester

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

Applicable standards

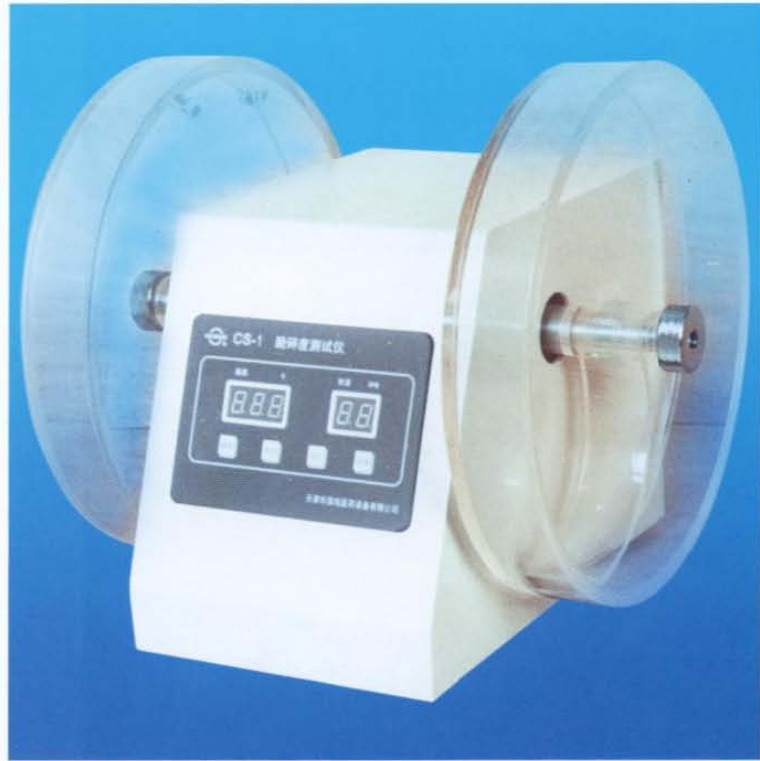
- National standard (Chinese codex)/2000/
- Corporate standard (Tablet friability tester) Q/12XQ0189-2004

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 count (10~240)r
- Rotation count accuracy $\pm 1r$
- Rotation speed (20-90)r/min
- Rotation Speed accuracy $\pm 1\text{rpm}$
- Power 220V/50Hz/50W or 110V/60Hz/50W
- Dimension (370 x 300 x 340)mm³



CS-2 Tablet friability tester

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

Applicable standards

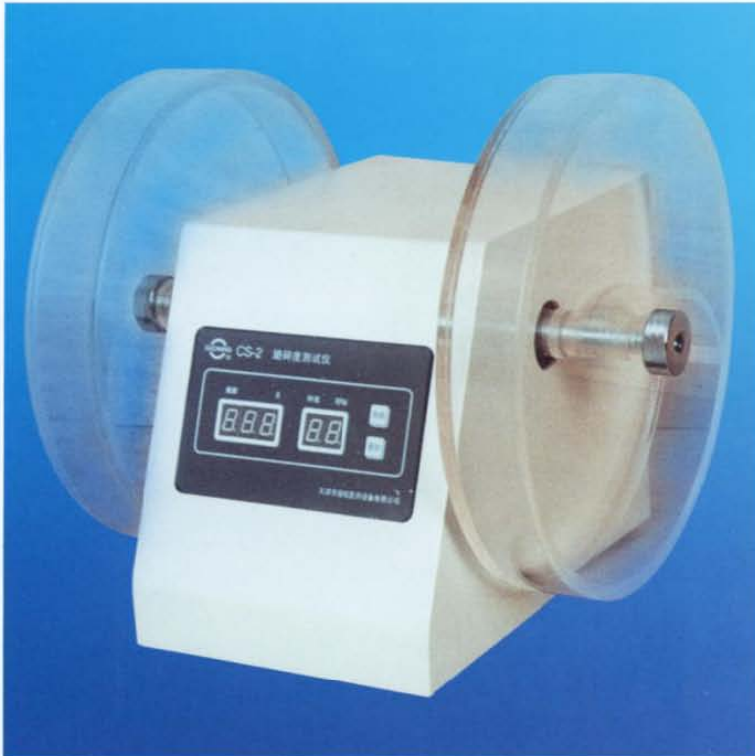
- National standard (Chinese codex)/2000/
- Corporate standard (Tablet friability tester) Q/12XQ0189-2004

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 $\Phi 286\text{mm}$
- Cylinder depth 39mm
- Tablet fall height 156mm
- Rotation count 100r
- Rotation count accuracy $\pm 1r$
- Rotation speed 25rpm
- Rotation Speed accuracy $\pm 1\text{rpm}$
- Power 220V/50Hz/50W or 110V/60Hz/50W
- Dimension (360 x 300 x 340)mm³



CS – 3 Tablet friability tester

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

Applicable standards

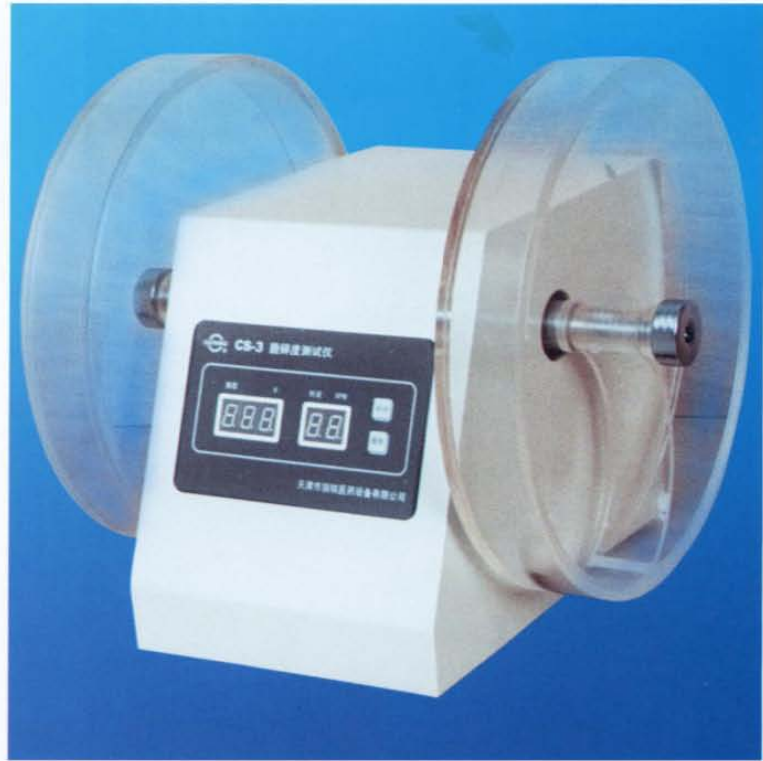
- National standard (Chinese codex)/2000/
- Corporate standard (Tablet friability tester) Q/12XQ0189-2004

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 count (10~900)r
- Rotation count accuracy $\pm 1r$
- Rotation speed 25rpm
- Rotation Speed accuracy $\pm 1\text{rpm}$
- Power 220V/50Hz/50W or 110V/60Hz/50W
- Dimension (360 x 300 x 340)mm³



CS – 4 Tablet friability tester

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

Applicable standards

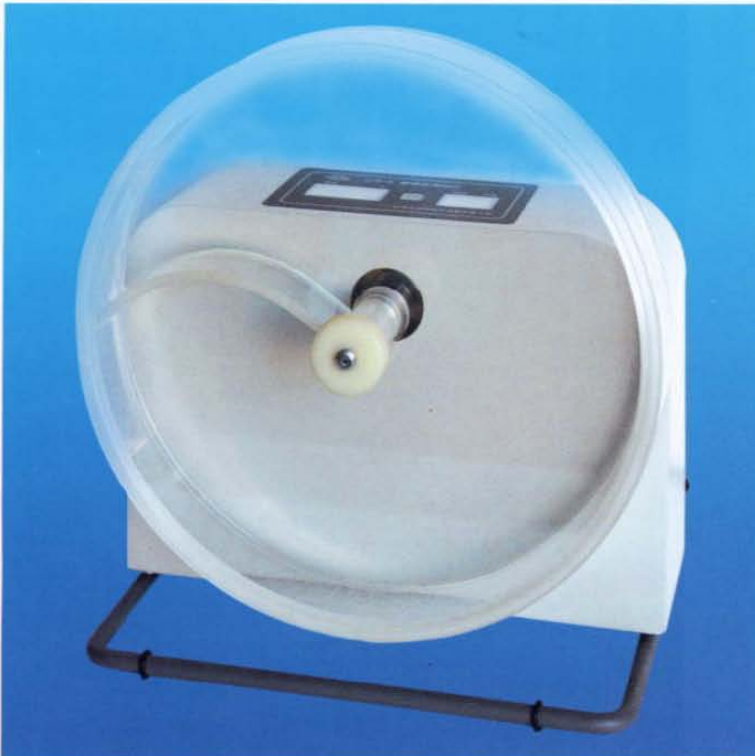
- National standard (Chinese codex)/2000/
- Corporate standard (Tablet friability tester) Q/12XQ0189-2004

Features

- Single drum 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 $\Phi 286\text{mm}$
- Cylinder depth 39mm
- Tablet fall height 156mm
- Rotation count 100r
- Rotation count accuracy $\pm 1r$
- Rotation speed 25rpm
- Rotation Speed accuracy $\pm 1\text{rpm}$
- Power 220V/50Hz/50W or 110V/60Hz/50W
- Dimension (300 x 200 x 330)mm³



YD - 1 Tablet hardness tester

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

Applicable standard

- Corporate standard (Tablet hardness tester) Q/12XQ0186-2005

Features

- The tablet is loaded and pressed artificially.
- It has high accuracy press sensor and hardness data is displayed on LED.
- 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 (2~199.9)N
- Hardness accuracy Max. *($\pm 0.05\%$)
- Moving distance of probe 20mm
- Power 220V/50Hz/10W or 110V/60Hz/10W
- Dimension (320*200*100)mm³



YD - 2 Tablet hardness tester

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

Applicable standard

- Corporate standard (Tablet hardness tester) Q/12XQ0186-2005

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

- Test range (2~199.9)N
- Test accuracy Max. *($\pm 0.05\%$)
- Probe procession range (3~40)mm
- Test period $\geq 20S/P$
- Max number in each group 100P
- Power 220V/50Hz/60W or 110V/60Hz/60W
- Dimension (500 x 300 x 160)mm³



Y D – 3 Tablet hardness tester

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

Applicable standard

- Corporate standard (Tablet hardness tester) Q/12XQ0186-2005

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

- Test range (2~199.9)N
- Test accuracy Max. *($\pm 0.05\%$)
- Probe procession range (3~40)mm
- Test period $\geq 20S/P$
- Max number in each group 100P
- Power 220V/50Hz/60W or 110V/60Hz/60W
- Dimension (400×240×160)mm³



P J – 3 Tablet four-usage tester

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

Applicable standards

- National standard (Chinese codex)/2000/
- Corporate standard (Dissolution tester) Q/12XQ0187-2004
- Corporate standard (Disintegration tester) Q/12XQ0188-2004
- Corporate standard (Tablet friability tester) Q/12XQ0189-2004
- Corporate standard (Tablet hardness tester) Q/12XQ0186-2005

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.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- 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

- | | | | | | |
|-------------------------|--|----------------------------------|-----------------------------------|------------------------|----------------------------------|
| Temperature range | (ambient to +39.9°C) $\pm 0.3^\circ\text{C}$ | basket assemblies | 2 | Hardness range | (2~200)N |
| Speed range | (20~200)rpm ± 2 rpm | Nacelle back and forth frequency | (30~32)/min | Probe procession range | (3~20)mm |
| Automatic time range | (1~900)min ± 0.5 min | Nacelle back and forth range | (55 ± 2)mm | Power | 220V/50Hz/600W or 110V/60Hz/600W |
| Stations of dissolution | 3 | Drum | 1 | Dimension | (590×300×480)mm ³ |
| Paddle radial run-out | ± 0.5 mm | Drum's size | radius: $\Phi 286$ mm depth: 39mm | | |
| Basket radial run-out | ± 1.0 mm | | | | |

CM - 1 Clarify tester

- It tests clarify of injection and bottled medicine liquid.

Applicable standards

- National standard (Chinese codex)/2000/
- Health department standard WB1-362(B-121)-91.
- Corporate standard (Clarify tester) Q/12XQ0193-2004

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
- Time range (1~99)s
- Power 220V/50Hz/30W
- Dimension (660*180*500)mm³



CM - 2 Clarify tester

- It tests clarify of injection and bottled medicine liquid.

Applicable standards

- National standard (Chinese codex)/2000/
- Health department standard WB1-362(B-121)-91.
- Corporate standard (Clarify tester) Q/12XQ0193-2004

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 people 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 (660*380*500)mm³

HD – 1 Thickness tester

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

Applicable standard

- Corporate standard (Thickness tester) Q/12XQ0194-2004

Features

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

Specifications

- Test range (0~5)mm
- Test accuracy ± 0.01 mm
- Type of capsule 00,0,1,2,3,4 type capsule



HD – 2 Thickness tester

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

Applicable standard

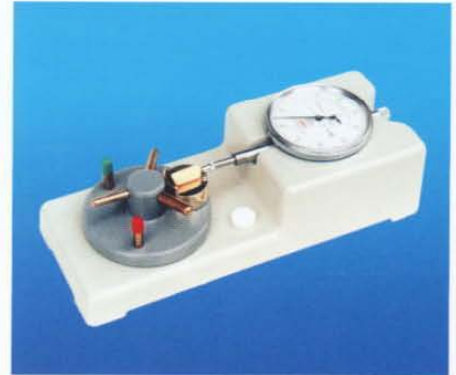
- Corporate standard (Thickness tester) Q/12XQ0194-2004

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 homemade centigrade meter.

Specifications

- Test range (0~30)mm
- Test accuracy ± 0.01 mm
- Type of capsule 00,0,1,2,3,4 type capsule
- Range of test tablet 0~30mm



HD – 3 Thickness tester

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

Applicable standard

- Corporate standard (Thickness tester) Q/12XQ0194-2004

Features

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

Specifications

- Test range (0~5)mm
- Test accuracy ± 0.01 mm
- Type of capsule 00,0,1,2,3,4 type capsule



HD – 4 Thickness tester

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

Applicable standard

- Corporate standard (Thickness tester) Q/12XQ0194-2004

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 homemade centigrade meter.

Specifications

- Test range (0~30)mm
- Test accuracy ± 0.01 mm
- Range of test tablet (0~30)mm
- Type of capsule 00,0,1,2,3,4 type capsule



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 standard

- National standard (Chinese codex)/2000/
- Corporate standard (Melting point tester) Q/12XQ0185-2004

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)^oC
- Accuracy <200^oC \rightarrow \pm 0.5^oC
 \geq 200^oC \rightarrow \pm 1.0^oC
- Usage temperature (15~35)^oC
- Range of preset temperature (50~260)^oC
- Oil bath methyl silicone oil
- Oil bath cup 250ML high beaker
- Rate (0.5, 1.0, 1.5, 3.0)^oC/min
- Accuracy of Rate \leq 10%
- Power of the heater 200W
- Power 220V/50Hz/500W
- Dimension (320*180*290)mm³



RD - 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.
- RD series are suitable for testing Melting points of drug, spice and dye etc.

Applicable standard

- National standard (Chinese codex)/2000/
- Corporate standard (Melting point tester) Q/12XQ0185-2004

Features

- Test temperature with standard mercury thermometer.
- Using auto frequency-conversion control technology, with high accuracy in controlling temperature and little linear error in heating speed.
- Auto magnetism stirrer, with the bath oil even in temperature

Specifications

- Range of melting point (50~270)^oC
- Accuracy <200^oC \rightarrow \pm 0.5^oC
 \geq 200^oC \rightarrow \pm 1.0^oC
- Usage temperature (15~35)^oC
- Range of preset temperature (50~260)^oC
- Oil bath methyl silicone oil
- Oil bath cup 250ML high beaker
- Rate (1.0, 1.5)^oC/min
- Accuracy of Rate \leq 10%
- Power of the heater 200W
- Power 220V/50Hz/500W
- Dimension (320*180*290)mm³



S F – 1 Fast moisture tester

- SF series are suitable for testing water in powder or granule.

Applicable standards

- National standard Chinese codex /2000/
- National standard (Food additive Gelatin) GB6783-94
- Corporate standard (Fast moisture tester) Q/12XQ0191-2004

Features

- Drying in constant temperature with infrared lamp, heat being focused, drying fast.
- High-precision temperature sensor, auto frequency-conversion control technology, high accuracy in controlling temperature.
- High-precision weight sensor, high accuracy in weighing.
- Auto-test lost weight in drying, auto-calculate remainder water after weight being constant.
- Auto-preset drying temperature, auto-test moisture, display preset and real-time data alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm

Specifications

- Tested Moisture Range (0~99.9)%
- Moisture Testing Accuracy $\pm 0.5\%$
- Drying Temperature (50~105) $^{\circ}\text{C}$
- Temperature Accuracy $\pm 2^{\circ}\text{C}$
- Weight Testing Range (0~19.99)g
- Weight Testing Accuracy $\pm 0.02\text{g}$
- Sample Weight (4~6)g
- Infrared Lamp 220V/250W
- Power 220V/50Hz/300W
- Dimension (400×300×420)mm³



S F – 2 Fast moisture tester

Applicable standards

- National standard (Chinese codex)/2000/
- National standard (Food additive Gelatin)GB6783-94
- Corporate standard(Fast moisture tester)Q/12XQ0191-2004

Features

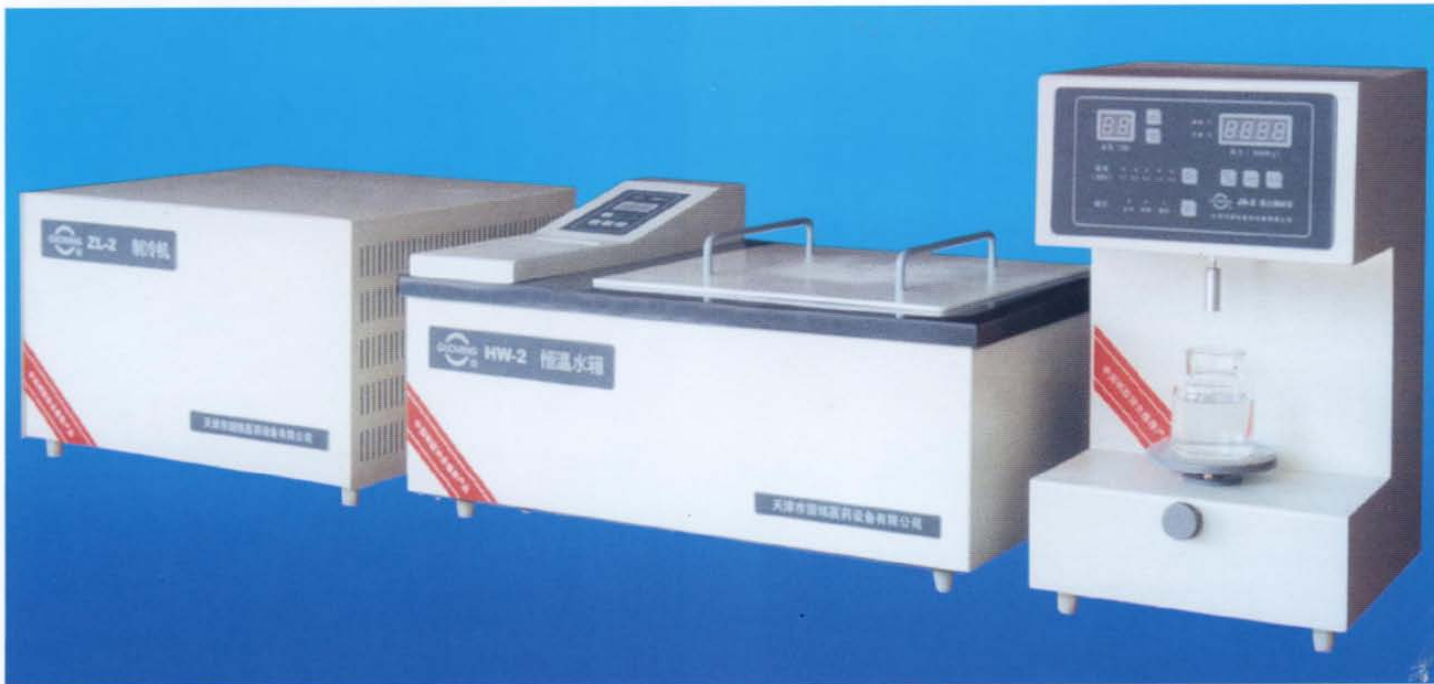
- Drying in constant temperature with far-infrared tube, heat being focused, drying fast.
- High-precision temperature sensor, auto frequency-conversion control technology, high accuracy in controlling temperature.
- High-precision weight sensor, high accuracy in weighing.
- Noting and stating data, and function of printing out.
- Auto-test lost weight in drying, auto-calculate remainder water after weight being constant.
- Auto-preset drying temperature, auto-test moisture, display preset and real-time data alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm

Specifications

- Tested Moisture Range (0~99.9)%
- Moisture Testing Accuracy $\pm 0.2\%$
- Drying Temperature (50~160) $^{\circ}\text{C}$
- Temperature Accuracy $\pm 2^{\circ}\text{C}$
- Weight Testing Range (0~20)g
- Weight Testing Accuracy $\pm 0.005\text{g}$
- Sample Weight (4~6)g
- Infrared Lamp 220V/300W
- Power 220V/50Hz/300W
- Dimension (400×300×300)MM3



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-2 Constant temperature bath

● ZL-2 Refrigerator

Applicable standards

- | | | | |
|--|------------|---|-----------------|
| ● National standard (Food additive Gelatin) | GB6783-94 | ● Vocation standard (Industrial gelatin) | QB/T1995-94 |
| ● American codex/No.22/VSPXX | | ● Vocation standard (Bone gelatin) | QB/T1996-94 |
| ● Wational standard(Hard gelatin Capsule for medicine) | GB13731-92 | ● Vocation standard (Photographic gelatin) | QB/t1997-94 |
| ● Vocation standard (Gelatin for medicine) | QB2354-98 | ● Corporate standard (Gelatin get strength test system) | Q/12XQ0190-2004 |

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 refrigerator.
 - Using magnetism pump system to circulate water for equably heating, bath temperature getting even.
 - Using high-precision 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.
- Automation: auto-test, auto-diagnose, auto-alarm

Specifications

- | | |
|--------------------------------|---|
| ● Test range | (5~ 1000)g |
| ● Test accuracy | Max*(± 0.05%) |
| ● Travel | (1~ 60)mm |
| ● Travel accuracy | ± 0.1mm |
| ● Temperature control range | (5~ 39.9)°C |
| ● Temperature control accuracy | ± 0.1°C |
| ● Cooling time | 40min |
| ● Power | 220V/50Hz/1200W |
| ● Dimension | JS-2 (260 × 260 × 420)mm ³
HW-2 (530 × 450 × 280)mm ³
ZL-2 (400 × 350 × 280)mm ³ |

ND - 1 Bloom viscosity tester

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

Applicable standards

- National standard (Food additive Gelatin)GB6783-94
- National standard(Hard gelatin capsule for medicine)GB13731-92
- Vocation standard (Gelatin for medicine)QB2354-98
- Corporate standard(Bloom viscosity tester)Q/12XQ0193-2004

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-alarming, auto-testing continually.
- Automation : auto-test, auto-diagnose, auto-alarm.

Specifications

- | | |
|--------------------------------|------------------------------|
| ● Test range | (0~9.99) mPa · s |
| ● Test accuracy | 0.05mPa · s |
| ● Temperature control | 60.0℃ |
| ● Temperature control accuracy | ±0.1℃ |
| ● Time accuracy | ±0.5min |
| ● Volume | 100ml |
| ● Volume accuracy | ±0.5ml |
| ● Recital distance | (152±2)mm |
| ● Power | 220V/50Hz/600W |
| ● Dimension | (400×300×450)mm ³ |



ND - 2 Bloom viscosity tester

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

Applicable standards

- National standard (Food additive Gelatin) GB6783-94
- National standard(Hard gelatin capsule for medicine)GB13731-92
- Vocation standard (Gelatin for medicine) QB2354-98
- Corporate standard Bloom viscosity tester Q/12XQ0193-2004

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-alarming, auto-testing continually.
- Automation: auto-test, auto-diagnose, auto-alarm.

Specifications

- | | |
|--------------------------------|------------------------------|
| ● Test range | (0~99.9)mPa · s |
| ● Test accuracy | ±0.2mPa · s |
| ● Temperature control | 60.0℃ |
| ● Temperature control accuracy | ±0.1℃ |
| ● Volume | 100ml |
| ● Time accuracy | ±0.5min |
| ● Volume accuracy | ±0.5ml |
| ● Recital distance | (152±2)mm |
| ● Time range | (0~999.9)s |
| ● Power | 220V/50Hz/600W |
| ● Dimension | (400×300×450)mm ³ |



T M – 1 Transparency tester

● Transparency tester is requisite for detecting transparency of gelation.

Applicable standards

- National standard (Food additive Gelatin)GB6783-94
- National standard(Hard gelatin capsule for medicine)GB13731-92
- Vocation standard (Gelatin for medicine)QB2354-98

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 ± 5 mm
- Volume 400ml
- Power 220V/50Hz/80W
- Dimension (360×240×120)mm³



T M – 2 Transparency tester

● Transparency tester is requisite for detecting transparency of gelation.

Applicable standards

- National standard (Food additive gelatin)GB6783-94
- National standard (Hard gelatin capsule for medicine)GB13731-92
- Vocation standard (Gelatin for medicine)QB2354-98

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 ± 5 mm
- Power 220V/50Hz/80W
- Dimension (600×200×630)mm³

C J - 1 Magnetic stirrer

Features

- High automation. Easy operation.
- Velocity can be preset and controlled in highly accurate and sensitive steps.

Specifications

- Velocity range (200 ~ 1000)rpm
- Maximal capacity 1000ml
- Operational Continuity >8HOURS
- Power 220V/50Hz/20W
- Dimension (250 × 160 × 70)mm³



DJ - 1 Motor stirrer

Features

- High automation. Easy operation
- Two muddlers (one small, one big) for different vessels and liquors.
- Velocity can be preset and controlled in highly accurate and sensitive steps.

Specifications

- Velocity range (200 ~ 1000)rpm
- Maximal capacity 1000ml
- Operational Continuity >8HOURS
- Power 220V/50Hz/20W
- Dimension (160 × 160 × 370)mm³

DJ - 2 Motor stirrer

Features

- High automation. Easy operation
- Two muddlers (one small, one big) for different vessels and liquors.
- Velocity can be preset and controlled in highly accurate and sensitive steps..

Specifications

- Velocity preset range (200 ~ 2000)rpm
- Maximal capacity 1000ml
- Operational Continuity >8HOURS
- Power 220V/50Hz/20W
- Dimension (160 × 240 × 500)mm³

