



Tissue Processor



MODEL: RD-1301

User Manual

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1. Feature

- LCD touch screen
- The countertop is made of stainless steel, which has high strength, corrosion resistance, smooth lines and elegant appearance.
- Using advanced mechanical transmission and computer control technology, after the time program and temperature preset input, it can safely and reliably complete all the work of tissue dehydration.
- Medicine liquid tank: it can complete the dehydration treatment of 240 tissues at a time.
- After a power failure, it has the function of action memory and program memory. The machine can continue to run according to the original program when the machine is powered off or cut off during operation.
- External environmental protection function: harmful gases are directly discharged outside through the exhaust pipe;

2. Working Environment

- a) Suitable ambient temperature: 5 °C ~ 30 °C
- b) Relative humidity: ≤80%

3. Product Overview



4. Technical Parameters

- a) Dimensions: length * width * height=1315mm*430mm*540mm
- b) Voltage And Frequency: AC220V±10%, 50Hz±1Hz
- c) Working current: 2.3A/Max
- d) Temperature setting range: 0°C ~ 99°C
- e) Single cylinder capacity: 2000ML
- f) Number of cylinders: 14(Last 4 is paraffin cylinders)
- g) Single cylinder processing time: 1. The first cylinder can be set arbitrarily from 0 to 80 hours 2. The 2nd-14th cylinder can be set arbitrarily within 0 ~ 24 hours
- h) Cylinder retention filtrate time: 0~30S
- i) Stirring speed: 0~6 times/min

5. Operation

5.1 Power on

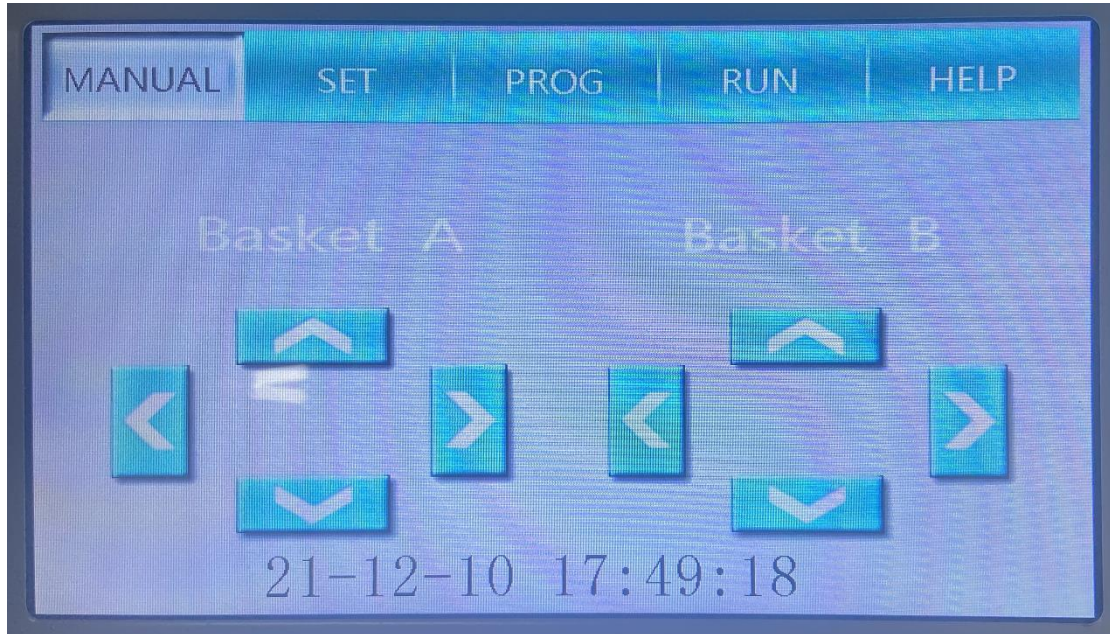
Turn on the power switch (the green light means that the battery is connected, and the red light means that the AC power is connected); if only the green light is on and the red light is off, the machine will not start and work! When the red light is on, the machine starts to work and automatically charges the battery. If the AC power is disconnected during work, the battery can automatically maintain and protect the organization for 10h~24h; after the AC power is restored, it will take about 10~72h to fully charge the battery.

5.2 Initialization

When entering the initialization stage, baskets B and A return to the bottom of cylinder 1B and cylinder 1A respectively. First, basket B is lifted—back to the starting position—down to the bottom of the cylinder, and then basket A is lifted—back to the starting position of 1A—down to the bottom of the cylinder. Cylinder bottom (if A is set to inactive, A will stop at cylinder 12A without action), complete the initialization phase. To stop at this stage, only turn off the power

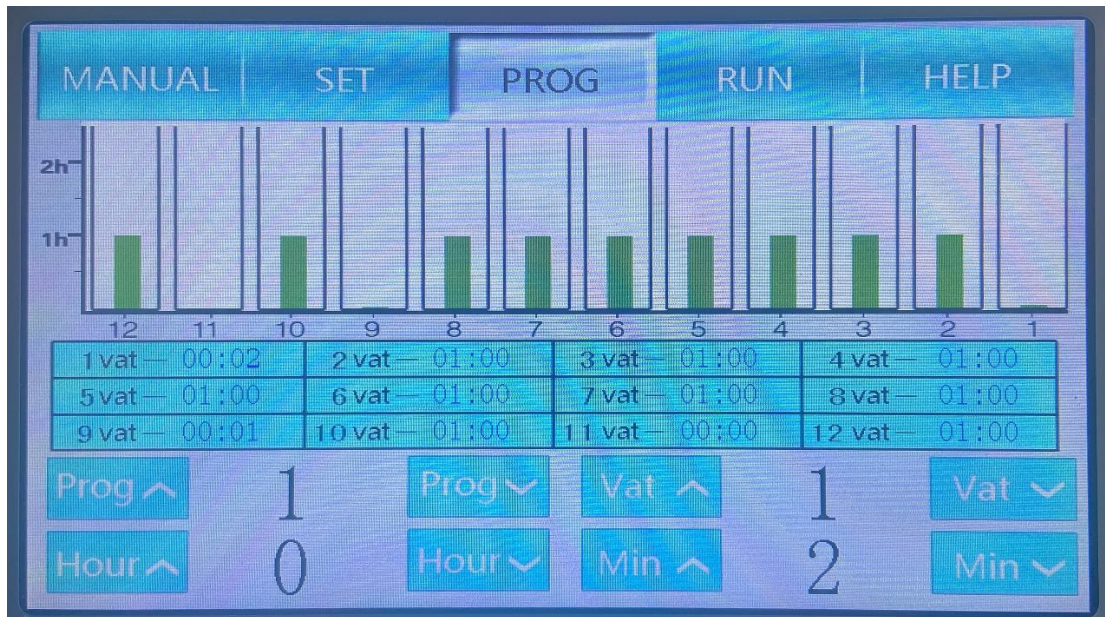
5.3 Control of A and B Baskets

After completing the initialization stage, enter the main menu interface, and you can enter the MANUAL, SET, PROG, RUN, and HELP interfaces respectively. At the same time, in the main menu interface, you can manually go up, down, forward, and back for baskets A and B.



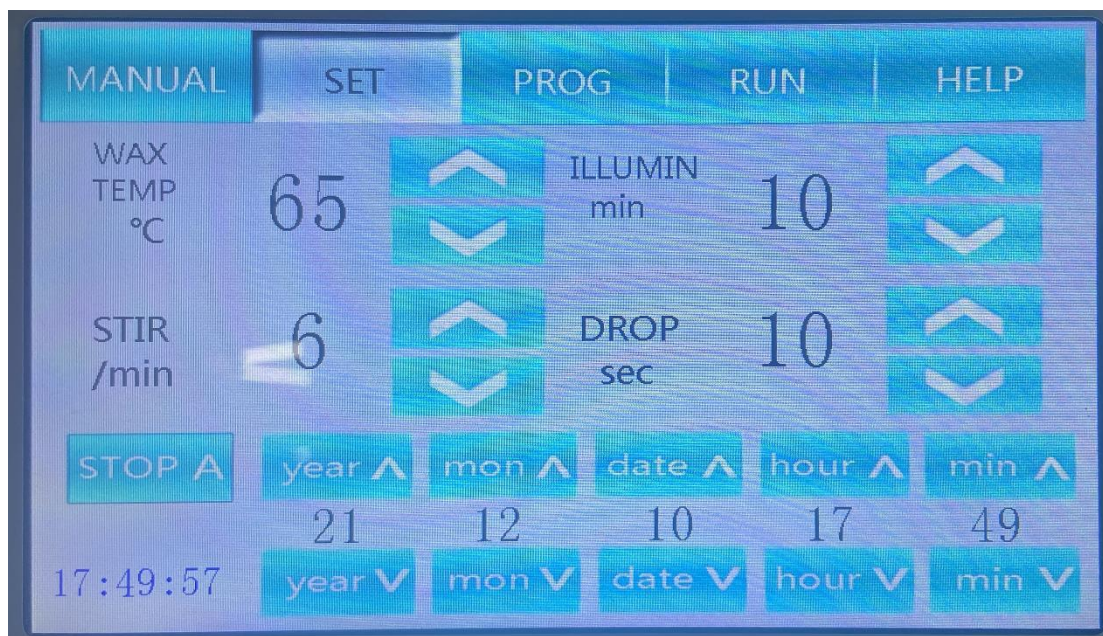
5.4 Program

In the programming interface, the time (hour, minute) of 12 cylinders in 20 sets of programs can be programmed separately, touch the 'Prog ^ v' , 'Vat ^ v' , 'Hour ^ v' , 'Min ^ v' icon, the maximum time of 1 cylinder is 99 hours and 59 minutes, The maximum time for other cylinders is 23 hours and 59 minutes. The program cannot be modified while the basket is running. A basket and B basket can be programmed separately.



5.5 Setting

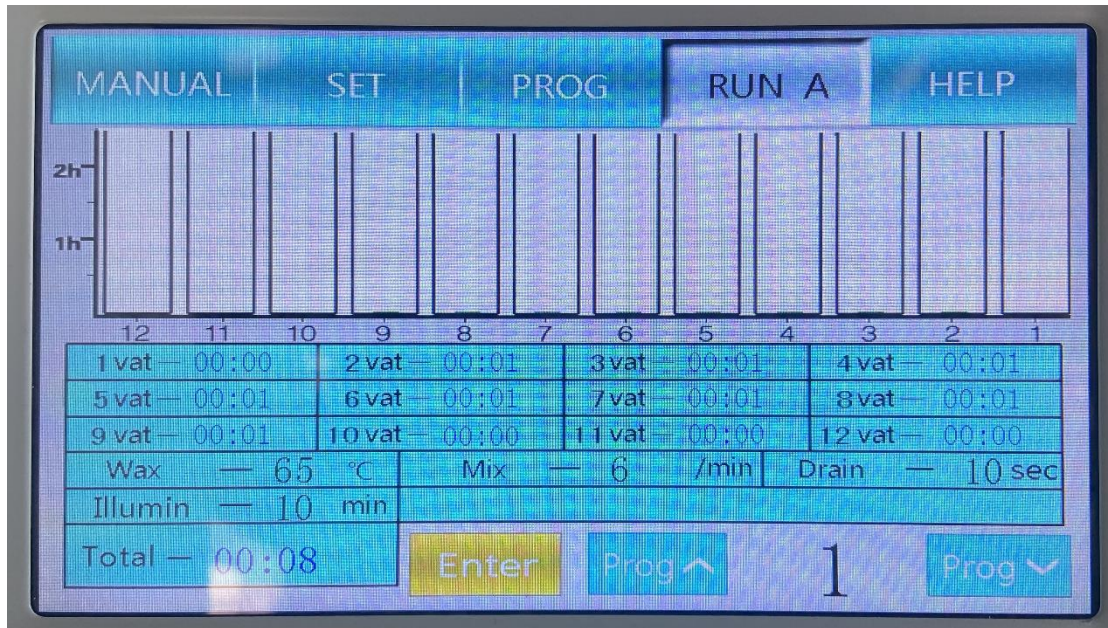
In the setting interface, the wax temperature, lighting time, draining, stirring frequency, and system time can be adjusted. Touch the corresponding symbol ' ^ ' , and perform addition and subtraction operations on the data in the selected box respectively. The setting cannot be modified while the basket is running.



5.6 Run

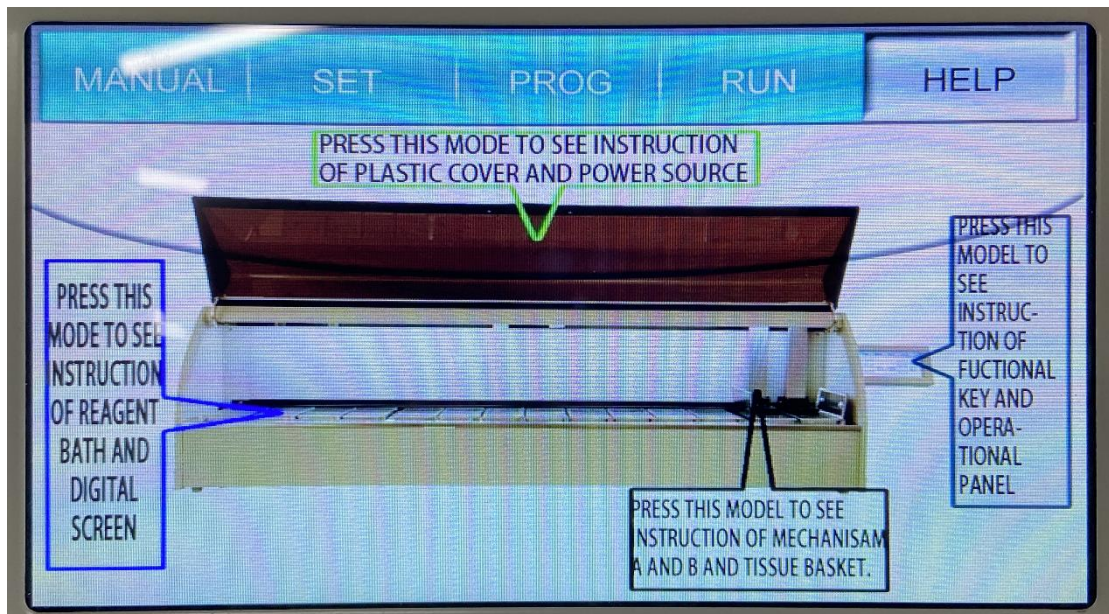
In the 'RUN' interface, you can comprehensively browse the information and

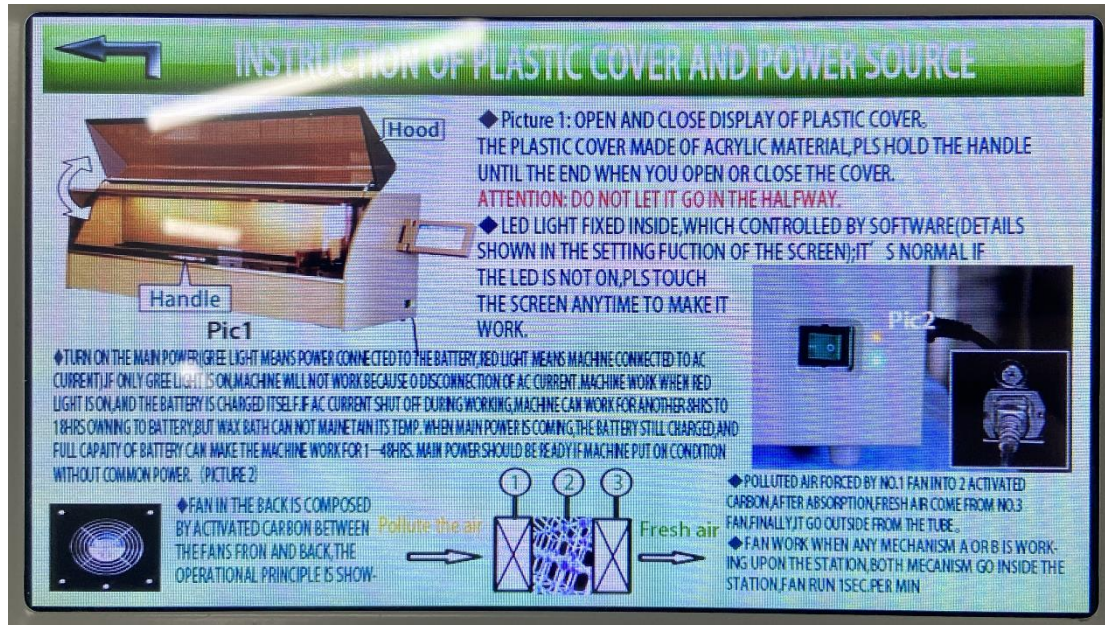
data of the program to be run. Press 'Enter', you can see it.



5.7 Help

The description of each part is displayed in the help interface, and a more detailed description can be viewed by touching the box displayed in the figure.





5.8

When starting to run, the system heats up the wax tank, and the screen interface will display information such as the wax temperature, the current tank number during operation, the remaining time, and the waiting time for cylinder B to start running. When the tissue is immersed in liquid, the cylinder can be manually lifted for observation, and the cylinder can be manually lowered to resume operation. If there is a power failure after the completion time of the 9 cylinders, the B basket will first return to the 4-into-5 cylinders for protection, and the A basket will return to the 6-into-7 cylinders for protection. After the wax temperature is heated to 58 degrees, it will start running.

5.9 End of task

After basket A and basket B complete the task, the screen will display a completion frame, click on baskets "A" and "B" to remove the tissue, and after basket A and B are lifted, a reset frame will appear on the screen, please remove the tissue. Then click to reset the machine. It can also be reset by turning off the power for 2 seconds and then turning it on again.

6. Special Instructions

- The time can be set to "0", then this cylinder skips
- After the program is compiled, the machine will automatically save it for a long time. If there is no need to adjust the program in the next dehydration work, just press the "Run" and "Confirm" keys.
- In the event of an unexpected power failure during the operation of the machine, it can guarantee 6 hours of work. During this period, the machine can complete the dehydration work according to the set processing procedure.
- If the temperature of the wax cylinder is lower than the wax melting temperature before entering the 10th cylinder, the basket A will automatically return from the 10th cylinder to the top of the 6th cylinder, and then run the protection of the 7th cylinder; the B basket will automatically return from the 9th cylinder to the 4th cylinder Then run the fifth cylinder protection. After the temperature of the wax cylinder reaches 58 degrees, continue to work.
- The temperature of the wax cylinder is lower than the melting value, and the boom does not stir.

7. Precautions

1. The machine must be grounded during operation
2. After confirming the failure of the machine, please contact the company in time, and non-professionals should not disassemble it by themselves.