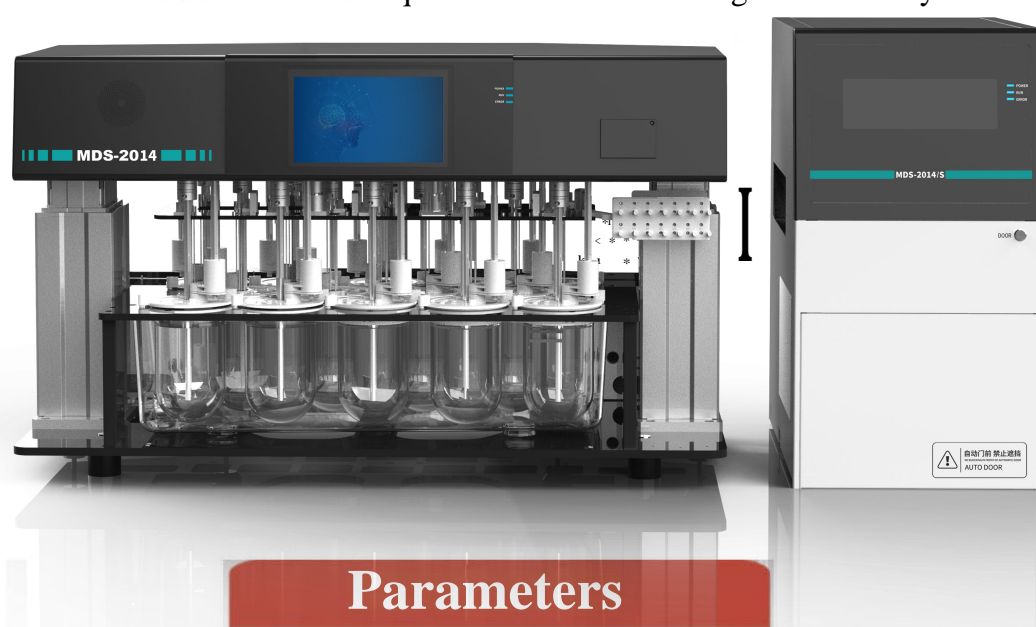


## MDS-2014、 2014DS Drug Dissolution Tester

The dissolution tester is a dissolution tester for the determination of the dissolution and release of solid preparations developed in accordance with the "Chinese Pharmacopoeia" and "Guidelines for Mechanical Calibration of Dissolution Testers". Reduce the placement space. Fully sealed machine head, pipeline hidden design, simple structure. Color touch screen, smooth operation. It has functions such as "timed preheating", "temperature calibration", "ultra-high temperature alarm", "power failure protection", etc. It is equipped with an authority management system and an audit tracking system to meet data integrity requirements.

### Performance characteristics

- One-time injection molding water tank, anti-cracking, slope drainage combined with rounded corner design, easy to clean;
- The independent diagonal fixing device of the dissolution vessel, the silicone cup ring cooperates with the V-shaped cup cover, to realize the double sealing of the line and the surface, and greatly reduce the evaporation of the solvent;
- The 316L stainless steel paddle shaft adopts MPT stainless steel mirror polishing technology to reduce bacterial adhesion;
- Segmented paddle shaft design, no need to reset the height when changing the dissolution method, which is convenient and quick;
- Multi-point stainless steel guide rod to ensure long-term stability of the vertical and mechanical performance indicators of the machine head;
- The external dosing device is easy to clean to prevent cross-contamination;
- The 10-inch large LCD touch screen makes every operation clear and simple;
- The experiment log records the operation and parameter details of each experiment, supports direct printing, and meets audit trail requirements;
- Support sequence/synchronization, automatic and independent dosing;
- Reserve the LAN interface to meet the data transmission requirements of the later digital laboratory construction;



|  |                      |
|--|----------------------|
| <b>Model</b>   | <b>DW-MDS-2014DS</b> |
| <b>Number of test devices</b>  | <b>14</b>            |
| <b>Water bath heating range (°C)</b>                                 | <b>RT~45.0°C</b>     |
| <b>Temperature resolution (°C)</b>                                   | <b>0.1°C</b>         |
| <b>Temperature control accuracy (°C)</b>                             | <b>±0.2°C</b>        |
| <b>Range of stirring speed</b>                                       | <b>10.0-300.0RPM</b> |
| <b>Speed resolution</b>  | <b>0.1RPM</b>        |
| <b>Basket (paddle) shaft swing amplitude</b>                         | <b>≤0.5RPM</b>       |
| <b>Basket swing range</b>  | <b>≤1.0mm</b>        |
| <b>Deviation between rotating shaft and dissolution vessel shaft</b> | <b>≤2.0mm</b>        |
| <b>Dissolution apparatus levelness</b>                               | <b>≤±0.5°</b>        |
| <b>Basket (paddle) axis verticality</b>                              | <b>≤±0.5°</b>        |
| <b>Working humidity</b>  | <b>(20~80)% RH</b>   |
| <b>Storage humidity</b>  | <b>(5~95)% RH</b>    |
| <b>Working temperature</b>   | <b>(5~40) °C</b>     |
| <b>Storage temperature</b>   | <b>(-20~60) °C</b>   |