

The logo for PHARMA TEST features the word "PHARMA" in a bold, dark red, sans-serif font above the word "TEST" in the same font. To the right of the text is a stylized graphic consisting of a yellow triangle pointing downwards and a dark red circle, partially overlapping the triangle.

PHARMA
TEST

Portfolio Overview
Tablet Dissolution
Testing



Tablet Dissolution Testing

For over 35 years, Pharma Test has been a household name for the development and production of high-value dissolution testing systems for quality testing of tablets, capsules, suppositories, ampoules, bulk materials and other solid dosage formats. We offer a complete product range from manual instruments, offline systems with fraction collectors to online dissolution systems using 21 CFR Part 11 compliant software.

Our foremost priority is to develop products with the quality that you would expect from the “Made in Germany” label – “The German Gründlichkeit”.

THE GERMAN GRÜNDLICHKEIT



Tablet Dissolution Testing Instruments

A dissolution test is a means of identifying and proving the availability of active pharmaceutical ingredient (API) in their delivered form. A dissolution test reflects the availability of active substance and allows the prediction of the time for complete release of the material from the dosage form. All Pharma Test tablet dissolution testing instruments are fully USP, EP and JP compliant. They use our MonoShaft™ tool system and include a full set of vessel and USP Apparatus 2 paddles. A full range of dissolution accessories is also available.



PTWS 120D
6-Station Tablet Dissolution Bath

- > 6 stirred positions, excellent access to all vessels
- > Centrally located electronic lift drive to raise and lower the head
- > Large color touch screen user interface



PTWS 120S
6-Station Individual Speed Control
Dissolution Bath

- > Individual speed control for all 6 stirred positions
- > Centrally located electronic lift drive to raise and lower the head
- > Large color touch screen user interface



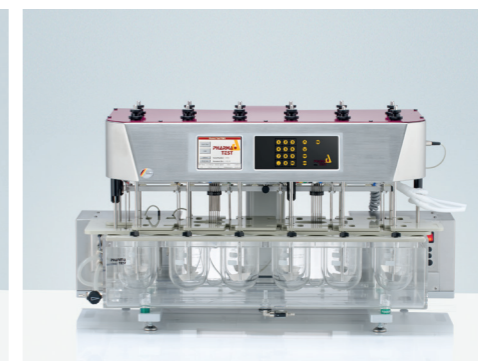
PTWS 820D
8-Station Tablet Dissolution Bath

- > 8 stirred positions, excellent access to all vessels
- > Centrally located electronic lift drive to raise and lower the head
- > Large color touch screen user interface



PTWS 620
6+2 Station Tablet Dissolution Bath

- > 8 stirred positions, 6+2 configuration
- > Rigid motorized lift drive to raise and lower the head
- > Large color touch screen user interface



PTWS 1220
6+6 Station Tablet Dissolution Bath

- > 12 stirred positions, 6+6 configuration: ideal for Biowaiver tests
- > Rigid motorized lift drive to raise and lower the head
- > Large color touch screen user interface



PTWS D620
6+6 Dual Drive Dissolution Bath

- > 12 stirred positions, individual speed control for both rows
- > Rigid motorized lift drive to raise and lower the head
- > Large color touch screen user interface



PTWS 4000
4-Liter Pool Test Dissolution Bath

- > 6 stirred positions for 4 liter vessels in a unique format
- > Also supports 1 and 2 liter vessels
- > Motorized lift drive to raise and lower the head



PT-DT70
6+1 Station Tablet Dissolution Bath

- > 7 stirred positions
- > Low head design with pneumatic flip-back lift
- > Tablet drop directly through chutes in instrument head



PT-DDS4
Media Preparation System

- > Prepares up to 25 liters of pre-heated and deaerated medium
- > Media degassing is one of the most influential factors on USP suitability tests
- > Deaeration by vacuum is the most efficient medium preparation process



Automated Dissolution Testing Systems

An offline automated dissolution system includes a dissolution bath, a pump and a fraction collector. They automate sampling which is the most labor intense stage of a dissolution test, especially for sustained release products. Online systems automate sampling, measuring, and result calculation. Unlike the offline systems where samples are removed from the dissolution vessels and stored either for transfer to a measurement system or for further preparation (e.g. dilution), the samples here are circulated in a closed loop. The TIDAS® L UV/VIS spectrophotometer with multi cell changer by J&M and the WinDiss ARGUS PC control software is included as part of this system set-up.



DSR-M | Dissolution Sampling Robot

The flexible, modular design of the DSR-M allows sampling, auto media refill, dilution and transfer into HPLC vials for 6 to 12 station dissolution baths.

- > Features integrated valve-free piston pumps for high precision
- > Modular design to allow auto media refill, dilution and transfer into HPLC vials for 6 to 12 station dissolution baths
- > Up to 20 sampling cycles (10 cycles with dilution)



DFC | Offline Automated Dissolution Testing Systems

The DFC offline automated dissolution testing systems include a dissolution bath, a pump and a fraction collector which will collect the sampled dissolution media.

- > Automates sampling, the most labour intensive stage of a dissolution test
- > Automated sampling reduces human (non-systematic) errors
- > Offers unattended operation after start of dissolution run



ADS-L | Online Automated Dissolution Testing Systems

The online ADS systems are so called "closed loop" dissolution systems. Sampling, measuring, and result calculation are automated.

- > Automates sampling, measuring, and result calculation
- > No media loss due to closed loop design
- > Includes TIDAS® L UV/VIS spectrophotometer by J&M and WinDiss ARGUS PC software



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Over 100 distributors and agents serve your interests worldwide, with fully qualified and trained staff to service and maintain your investment.

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