



PTB 111E
Hardness Tester

- > Measures tablet hardness
- > Automated re-start feature to speed up the testing sequence
- > Time and date are printed on the reports



PTB 111EP
Hardness Tester with Integrated Printer

- > Measures tablet hardness and document results via an integrated printer
- > Automated re-start feature to speed up the testing sequence
- > Time and date are printed on the reports



PTB 311E
"3-in-1" Hardness Tester

- > Measures tablet thickness, diameter and hardness
- > Automated re-start feature to speed up the testing sequence
- > Time and date are printed on the reports



PTB 420
"4-in-1" Hardness Tester with
Balance Connection

- > Measures thickness, diameter, hardness and weight (via connected external balance)
- > Touch-less measurement of sample thickness
- > Tests up to 10 samples fully automatically by using a tablet magazine (optional)



PTB 302
Hardness Tester with Integrated Printer

- > Measures tablet hardness and document results via integrated printer
- > Automated re-start feature to speed up the testing sequence
- > Stainless steel housing and simple operation ideally suited to a production environment



PTB-M
Portable Hardness Tester

- > Compact, portable instrument to measure tablet hardness
- > Features the same high quality force sensor as other Pharma Test hardness testers
- > Operated by 9V battery or using supplied power adapter



WHT 3ME
Fully-Automated Tablet Hardness
Testing System

- > Measures weight, thickness, diameter and hardness of tablets in a fully automated self-contained system
- > Multi and single batch feeders available
- > WHT32 software included with full 21 CFR part 11 compliance (optional)



PTBA 211E
Ampoule Breakpoint Tester

- > Fully DIN/ISO 9187 compliant test of ampoule hardness
- > Exchangeable supports to allow testing of 1-30ml ampoules
- > Automated re-start feature to speed up the testing sequence



PT-MT3
Magnetic Test Tablet

- > A dynamic validation option for tablet hardness testing instruments
- > Tablet simulator to qualify break point detection, load cell linearity and force increase
- > A test finger held in place by an electro-magnet acts as a "re-breakable" and "re-settable" tablet



Tablet Disintegration Testing Instruments

Tablet disintegration testing instruments are widely used in the pharmaceutical industry to evaluate the disintegration characteristics of formulations and the quality control of different dosage forms. All Pharma Test tablet and capsule disintegration testers are fully compliant with the current USP and EP Pharmacopeia and support both A-type and B-type baskets for regular or larger samples. The PT-ODF (pictured above) is a special basket to test the disintegration of orally dispersible films.



PTZ-S and DIST
Manual Disintegration Testers

- > Cost-effective, manual disintegration testing instruments
- > Models with one (PTZ-S) and three (DIST 3) test stations available
- > Instrument body made from GMP compliant stainless steel



PTZ AUTO
Semi-Automated Disintegration Testers

- > Independent movement of all stations and time log function
- > Models with one, two, three and four test stations available
- > Instrument body made from GMP compliant stainless steel



PTZ AUTO EZ
Fully-Automated Disintegration Testers

- > Fully-automated individual disintegration time detection
- > Models with one, two, three and four test stations available
- > Instrument body made from GMP compliant stainless steel



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



Friability Testing Instruments

Friability testing is used to test the durability of tablets during packing processes and transit. This involves repeatedly dropping a sample of tablets over a fixed time, using a rotating drum with a baffle. The result is inspected for broken tablets, and the percentage of tablet mass lost through chipping. All Pharma Test friability testers are fully compliant to the current USP and EP Pharmacopeia and come with friability („Roche“) drums included in the standard scope of supply. Abrasion drums as well as an anti-static coating are available as options. All PTF instruments support operation at a 10 degree angle to test larger samples by use of collapsible feet.



PTF 10E / PTF 20E
Tablet Friability Testers

- > Available as single and double drum versions with fixed rotation speed at 25 rpm
- > Instrument body made from GMP compliant stainless steel
- > Easy to use and cost-effective instrument



PTF 100 / PTF 200
Tablet Friability Testers

- > Available as one and two drum versions
- > Variable rotation speed setting from 10-70 rpm
- > Automated sample discharge, analytical balance connection and optionally available integrated printer



PTF 300 / PTF 600
Tablet Friability Testers

- > Available as three and six drum versions
- > Variable rotation speed setting from 10-70 rpm
- > Automated sample discharge, analytical balance connection and integrated printer (included)



Powder Testing Instruments



PT-TD300

Tapped Density Tester

- > Determines bulk density of powders to improve product quality during the production process
- > Fully USP, EP, ISO and ASTM compliant with noise reduction hood available as an option
- > Supports 3 and 14mm tapping height, as well as frequency of 250 and 300 per minute



PT-SV100

Scott Volumeter

- > Easy to use instrument to determine apparent density
- > Applicable to powders including metal powders, compounds and pigments
- > Instrument comes ready to use, only an analytical balance is needed in addition to the basic unit



PTG-S5

Powder Characterization Instrument

- > Measures the flow behaviour of powders to reduce process costs and maintain batch-to-batch quality
- > Determines flow-time, cone angle, flowability, cone density and cone volume
- > Integrated analytical balance cell, dust protection bonnet and printer



PTG-NIR

Powder Analysis System

- > All features of the standard PTG-S5 instrument combined with J&M NIR spectroscopy
- > The integrated diode array NIR spectrometer allows measurements directly in the powder cone
- > Performs quantitative analyses to determine moisture or content information