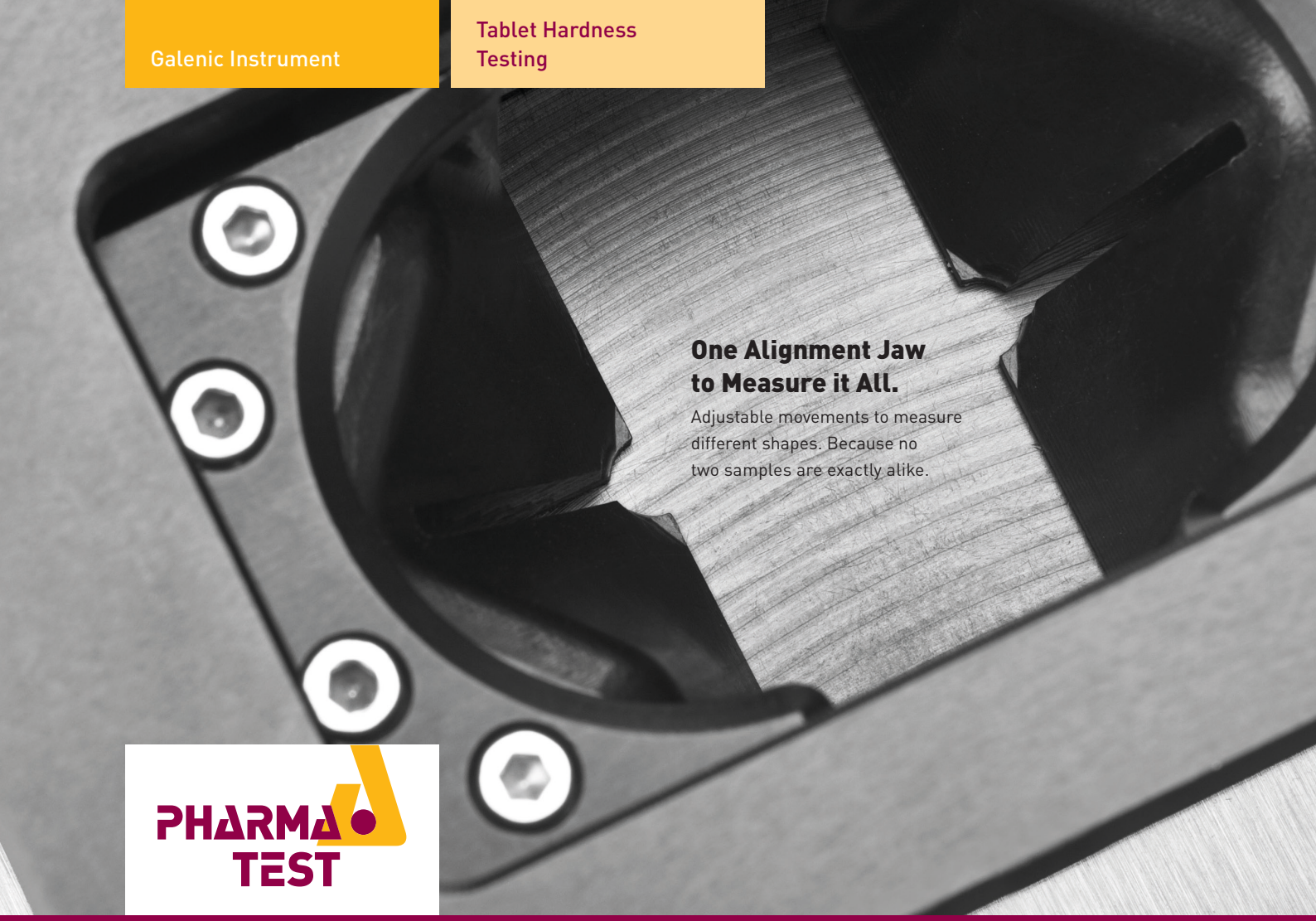


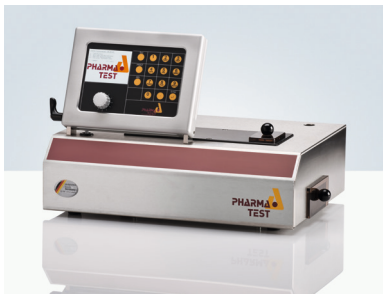
One Alignment Jaw to Measure it All.

Adjustable movements to measure different shapes. Because no two samples are exactly alike.

PHARMA TEST

PTB 420

Tablet Hardness Tester

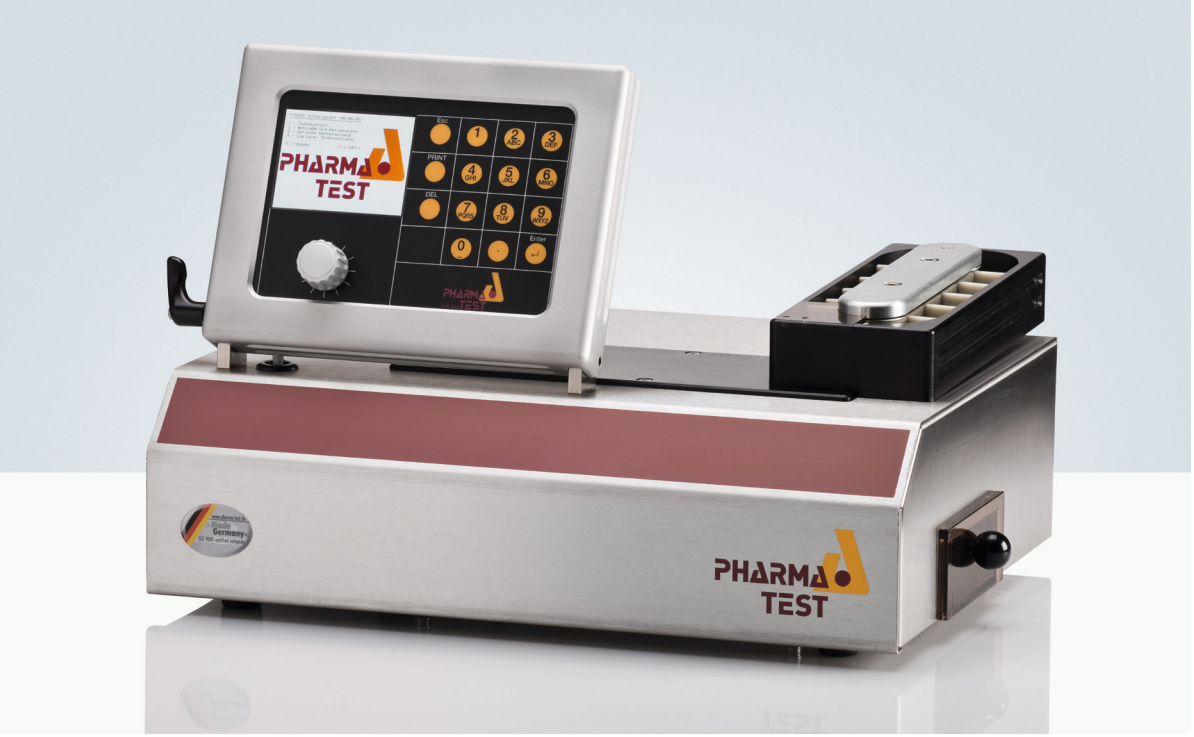


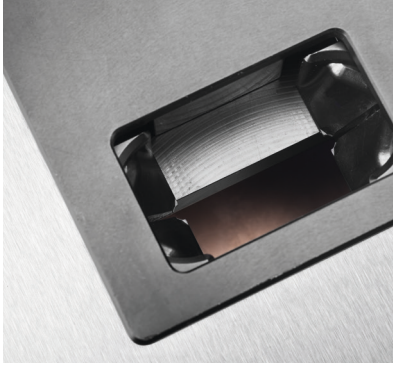
PTB 420 is an automated, dual test mode instrument to determine the diameter, thickness and hardness of tablets. Thickness is detected by an optical system.

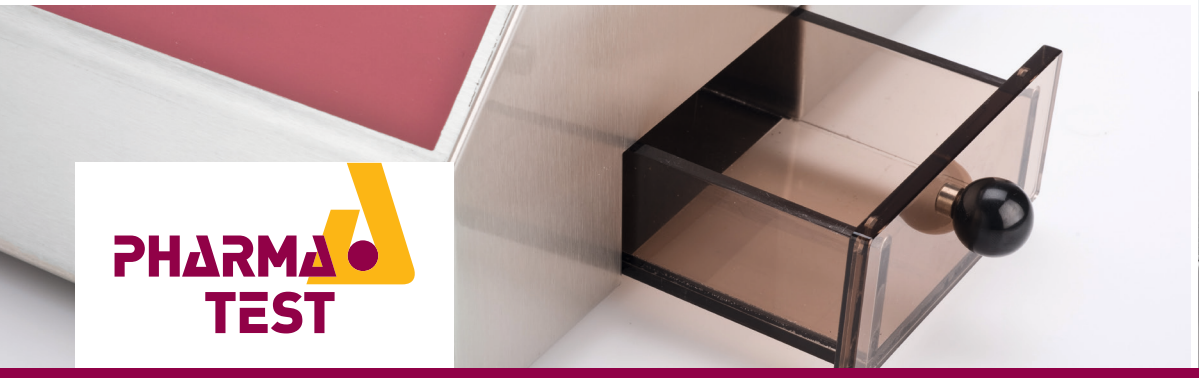
Advantages

- Automated positioning of samples by unique alignment jaws
- Contactless measurement of sample thickness
- Quick start functionality to start testing with minimal preparation
- Quick menu navigation with large color LCD and click wheel

The samples are automatically positioned by means of movable alignment jaws. The behavior of the jaw's movement is adjustable to accommodate many different shapes of tablets and oblongs. The instrument can be set to either linear force or linear speed increase mode for the tablet hardness test. Furthermore, PTB 420 allows the connection of an analytical balance to measure the weight of the samples. To perform a test, either insert the samples into the optional tablet magazine or drop the individual samples into the unique sample positioning and testing station. A class 1 laser beam is used for the contactless measurement of the sample thickness.







PHARMA TEST

Specifications

- Fully USP <1217> and EP <2.9.8> compliant
- 4 results of the same sample: thickness, diameter, hardness and weight (via connected external balance)
- Dual force mode instrument with linear speed increase and linear force increase
- Document all results on external USB printer (PCL5 capable)
- Multiple point validation procedure for all measurement stations built-in
- Quick start functionality to start testing with minimal preparation

Further information is available at www.pharma-test.com/ptb-420

The sample is scanned by the laser beam while simultaneously being moved in front of the CCD-sensor by the moving sample dish. Then the sample is automatically moved towards the force jaw to measure the diameter and finally the hardness by breaking it. Once the test is finished and the sample is broken, the sample dish moves backwards to drop the sample fragments into the removable waste container. The results are immediately displayed and may be printed on a connected printer. PTB 420 features a large, backlit color LCD. Menu navigation is done through a click wheel similar to the ones used in car navigation systems. This allows the user to rapidly scroll through the menus to make his selections. Calibration programs for all stations are included as well.

Options

- Tablet magazine to test up to 10 samples fully automatically
- Connect analytical balance for optional weight measurement
- 500N load cell for harder samples (300N standard)

www.pharma-test.com