

THT500

A breaking force tester featuring advanced and precise measuring technologies.



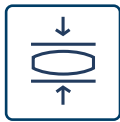
PRODUCT DESCRIPTION

The THT500 is a versatile tablet-breaking force tester designed to analyze various physical characteristics of tablets, which are an oral dosage form. The breaking force test, also known as the hardness test, offers a load range of up to 500N and allows users to set desirable test speeds (mm/sec) and force increments (N/sec). In addition to hardness measurement, the THT500 is capable of providing other measurements such as length, width, thickness, and weight (using an external scale).

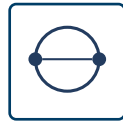
5 PARAMETERS



Breaking Force



Thickness



Diameter



Width



Weight



Operation aborts immediately if hatch opens in emergency.

Dual-sided guiding block for easy sample orientation.

Disposal bin for quick collection of sample debris.

Enhance your Usability with an intuitive UI on a 7-inch touch display.

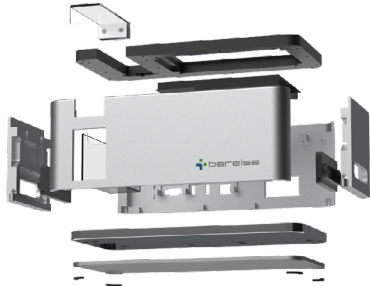
Easy calibration with an external calibration device.



ECO-FRIENDLY & SUSTAINABLY

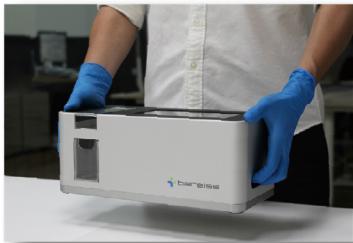


As a manufacturer, we recognize the importance of participating in the global effort to reduce carbon footprint. The THT500 is designed to minimize the number of parts and incorporate reusable materials.



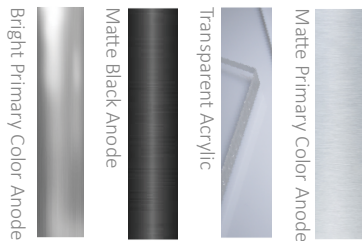
COMPACT DESIGN

The THT500 is constructed with 26 mechanical parts, emphasizing portability and lightweight design.



ERGONOMIC AND PORTABLE

The built-in recessed handle provides an ergonomic means of transportation, allowing users to easily carry the device from one place to another.



SUSTAINABLE MATERIALS

95% of THT500 is made from recycled aluminum, greatly enhancing its sustainability.



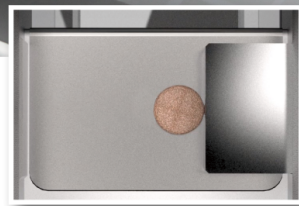


OPTIMAL VISIBILITY AND ENHANCED SAFETY

The transparent hatch on the THT500 enables users to clearly observe the entire process of measurement operations.

INTERCHANGEABLE GUIDING PLATES

The THT500's dual-sided guiding plate accommodates various tablet shapes, aiding orientation during measuring with its flat and grooved sides.



Flat side for flat tablets



Grooved side for curved tablets

SITUATION LIGHTS

Beyond interface operations, users can utilize status lights to promptly gauge the operational status of the machine.



Standby Mode



Normal Operation



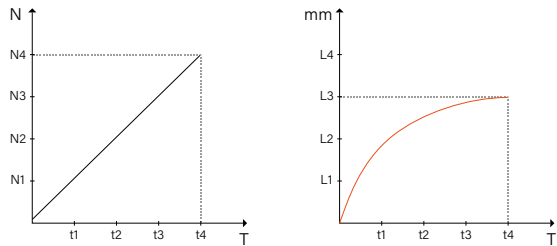
Abnormal Conditions



CONSTANT SPEED AND FORCE

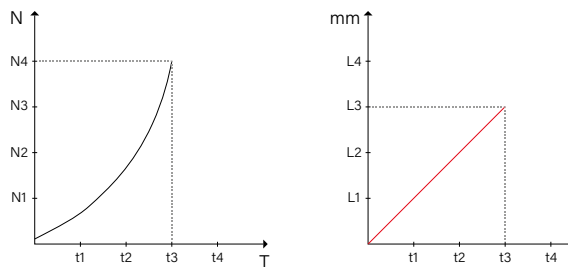
Constant Force

Under this test method, users can select a force linear increment rate ranging from 10 to 200 N/sec.



Constant Speed

Other than the constant force method, the constant speed method allows users to set constant testing Speed from 0.01-3 mm/sec.



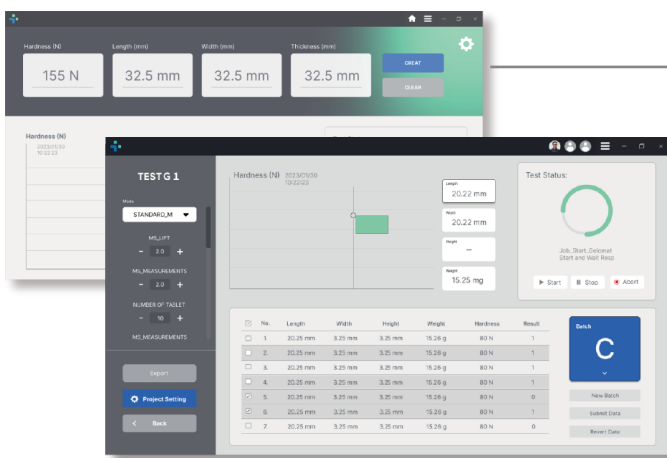
THT500 WITH BALANCE

MULTI-THT500 APPLICATION

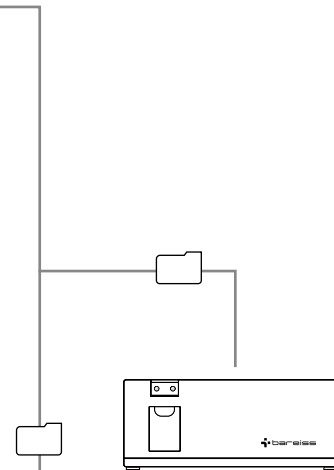
When using multiple THT500 units concurrently, the cloud management system facilitates comprehensive tablet data analysis and oversight. The software streamlines project management and allows simultaneous handling of various product data, enhancing overall efficiency.



CLOUD DATABASE



All data



Others THT500



MAIN FEATURES

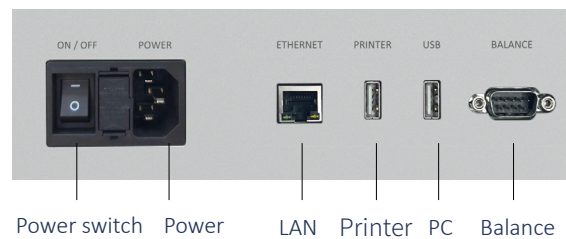
PharmaSoft™ is a modularized software that is aimed to provide a common platform with integration of different test categories.

Whether it is a standard test for one single measurement or a series of tests that requires a complex test sequence editing, PharmaSoft™ is designed to offer all levels of user's demands.

Features such as user authorization, system log, project management, version control and custom report are all at your fingertips.



PharmaSoft™ has made software use easier than it ever was before.



The THT500 can be connected to the Bareiss PharmaSoft™ software via ethernet port to ensure 100% CFR 21 Part 11 compliance.

PRODUCT SPECS

Diameter / Length / Width	Measuring range	1 - 36 mm
	Resolution	0.01 mm
	Units of measurement	mm / inch
Thickness	Measuring range	1 - 36 mm
	Resolution	0.01 mm
	Units of measurement	mm / inch
Hardness	Measuring range	3 - 500 N
	Accuracy	+/- 1N
	Units of measurement	Newton (N), Kilogram - force (kgf), Pound of force (lbf)
Measuring principle	Constant force	10 - 200 N / sec (programmable) (TESTING)
	Constant speed	0.01 - 3 mm / sec (programmable)
Interfaces	2 x USB 2.0	
Power supply	100- 240 V, 50-60 Hz, 90 W	

THT500

Configuration	Hardness	●
	Diameter / Length	●
	Width	●
	Thickness	●
	Weight (Integrated)	-
	Weight (External)	○
Dimensions / Weight	LWH 320 x 155 x 130 mm / approx. 9.5 kg	
Software	PharmaSoft™	○

MADE IN GERMANY SINCE 1954.

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