

CT3 Texture Tester

...compression and tension testing for Pharmaceutical/Cosmetic QC and R&D

An extensive history and customer input have contributed to the development of the most powerful, low cost, stand-alone Texture Analyzer ever produced for Pharmaceutical and Cosmetic challenges.

Standard Test Modes

Normal Test:

a single compression cycle

Hold Time Test:

compress and hold

Cycle Count Test:

compress multiple times

Bloom Test:

gelatin bloom strength test

TPA Test:

texture profile analysis

Tension Test:

tensile testing

Static Load Test:

calibration check

Compression Distance

Up to 10cm, can accommodate sample up to 22.5cm, almost 9 inches tall. Probe shaft is 8cm from back wall.

Choice of Load Cells

7 measurement ranges up to 50kg

Choice of Base Tables

allows for larger samples and more accessory choices

Texture Loader Software

allows up to ten custom tests and ability to lock parameters



Live Force Deformation Curve



CT3 with Fixture Base Table and TA-TE Fixture

What's Included?

Instrument with choice of load cell
Texture Loader Software
USB Cable

What else do I need?

Rotary Base or Fixture Base Table (see below)
At least one probe or test fixture

Why Choose CT3?

Brookfield Engineering is recognized around the world for offering high quality measurement instruments at an affordable price. The CT3 offers the best performance/cost ratio on the market and provides "real life" insight that can be invaluable toward maintaining consistent, high quality manufacturing while minimizing cost.



TA-RT-KIT
Rotary Base

MODEL	Load Range/Resolution*
CT3-100	0-100g / 0.01g
CT3-1000	0-1000g / 0.10g
CT3-1500	0-1500g / 0.20g
CT3-4500	0-4500g / 0.50g
CT3-10kg	1-10000g / 1.0g
CT3-25kg	1-25000g / 2.0g
CT3-50kg	2-50000g / 5.0g

CT3 Overall Model Specifications	
Speed:	
Range	0.01-0.1 mm/s (increments 0.01 mm/s)
	0.1-10 mm/s (increments 0.1 mm/s)
Accuracy	±0.1% of set speed
Position:	
Range	0-101.6 mm
Resolution	0.1 mm*
Accuracy	0.1 mm
mm = millimeter s = seconds	
*Resolution 0.01 mm when used with TexturePro CT software	

Fixtures and Probes for the CT3

FIXTURES USED WITH FIXTURE BASE TABLE TA-BT-KIT EXCEPT WHERE NOTED



TA-MA

Muco Adhesion Fixture quantifies tablet adhesiveness to a mucosal surface by simulating body conditions / temperatures and then measuring the required force needed to break the tablet under met conditions.



TA-RCA

Roller Cam Assembly is used to test the tensile strength of packaging materials, fabric, polymer films.



TA-TCA

Tablet Coating Adhesion Fixture quantifies the adhesive properties of aqueous film coatings, such as enterorinsoluble or sustained release film, to a tablet surface.



TA-EP

Eye Pencil Fixture simulates the human force required to apply cosmetic eye pencil as well as the break strength needed to withstand normal applications and packaging/transportation hazards.



TA-BPS

Blister Pack Support accessory imitates the action of a human finger pressing on blister packs to ensure product integrity when extracted from packaging.



TA-CLT

Capsule Loop Tensile quantifies force required to split a hard gel capsule and the effects of fillings on the shell and the brittleness/elasticity of the capsule.



TA-LC

Lipstick Cantilever Fixture quantifies the strength and cohesiveness to ensure that product does not bend, crumble, crack or break during application to the lips by the user.



TA-BLS

Bi-Layer Shear Fixture is used for evaluating the performance of tablets to ensure controlled release when swallowed and strength through the product packaging process.



TA-10 (uses rotary table)

GMIA & GME Bloom Probe and Spec is used for gel applications ranging from capsules, wound dressing, and jelly lubricants to hydrogel polymers



TA-DGA

Grips for tensile testing of thin film seal adhesive and seal strength on pharmaceutical packaging

OTHER AVAILABLE FIXTURES & PROBES

TA-TE (shown on front)

Toothpaste Extrusion Fixture quantifies the force required to extrude ointment or cream from its tube to ensure it is easily squeezed out of the tube and that it break off cleanly when the desired amount is dispensed.

TA-MDI

Meter Dose Inhaler Assembly uses a hemispherical probe and an imitative technique to ensure consistency in production of new propellant systems that may dictate an entire re-design of the valve.

TA-ATT

Tack Tester Fixture to quantify the adhesive properties of medical patches by using a ball probe and the TA-ATT.

TA-HCF

Hair Comb Fixture quantifies the energy required to comb hair and the effects of shampoo or gels on the combability of hair.

Brookfield can also develop custom accessories to meet most applications. We also provide complete texture assessment services to help get you started.