

CT3 Texture Analyzer

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



What's Included?

Instrument with choice of load cell
Texture Loader Software
USB & Power Cables

What Else Do I Need?

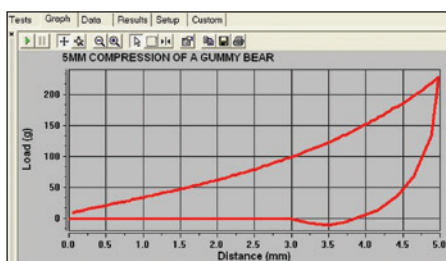
Rotary Base Table, Fixture Base Table (see below) or Adjustable Base Table (p66)
At least one probe or test fixture (p60-64)

Why Choose CT3?

AMETEK Brookfield 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



On Screen Live Force Deformation Curve

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

g = grams kg = kilograms *Accuracy = ±0.5% Full Scale Range (FSR)

ALL CT3 MODEL SPECIFICATIONS

Speed:	
Range	0.01-0.1mm/s (increments 0.01mm/s)
	0.1 - 10mm/s (increments 0.1mm/s)
Accuracy	±0.1% of set speed
Position:	
Range	0-101.6mm
Resolution	0.1mm*
Accuracy	0.1mm

mm = millimeter s = seconds

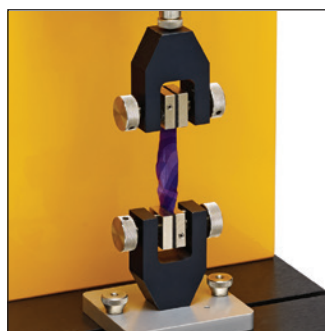
*Resolution 0.01mm when used with TexturePro CT Software



TA-ATT
Adhesive Tack Tester for measuring stickiness of pressure sensitive adhesive materials such as tape. Rotary Base Table required.



TA-FSF
Film Support Fixture for puncture test to measure strength of fine films. Fixture Base Table required.



TA-DGF
Dual Grip Fixture for tensile testing of thin films or integrity of seals for packaging.



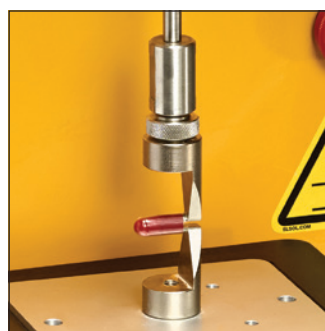
TA-JMPA
Multiple Probe Assembly consisting of nine 3mm probes and base plate designed to hold nine small samples of irregular geometry. Base Table required.



TA-BLS
Bi-Layer Shear Fixture measures shear strength by cutting a two-part tablet or capsule using a guillotine blade. Fixture Base Table required.



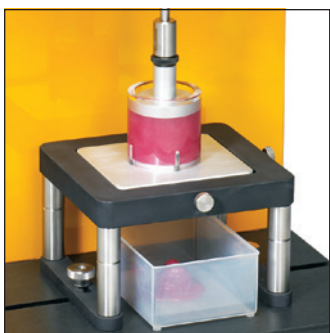
TA-BPS
Blister Pack Support Fixture is used to measure the force required to remove the tablet from its blister pack. Fixture Base Table required.



TA-CLT
Capsule Loop Tensile Test Fixture is used to measure the force required to split one half of a hard gel capsule. Fixture Base Table required.



TA-TCF
Tablet Compression Fixture performs a ring crush test (includes four rings). Bead compression test fixture is also included. Fixture Base Table required.



TA-DEC
Dual Extrusion Cell for either forward or back extrusion of fruit puree, pudding, yogurt or similar products. Fixture Base Table required.



TA-STF
Spread Test Fixture quantifies the spread force of a material. Comes with 1 male cone probe, 5 five samples cups and 1 sample cup holder. Base Table required.



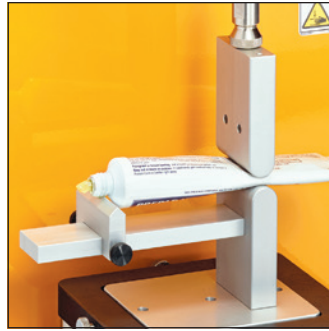
TA-HCF
Hair Combability Fixture measures the effect of hair dye, shampoos and conditioners on the combability of hair.



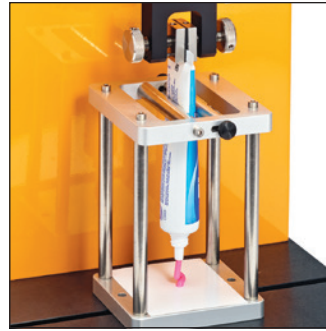
TA-EP
Eye Pencil Test Fixture measures hardness of cosmetic pencil tips for eye- or lip-lining products and can also be used for artistic type pencil tips. Fixture Base Table required.



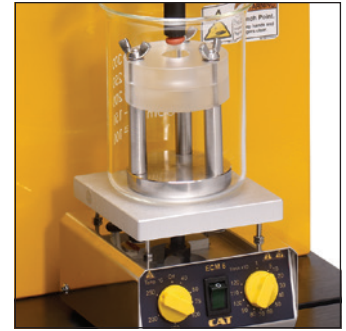
TA-LC
Lipstick Cantilever Test Fixture allows imitative tests on lipstick and similar products to quantify strength of product. Fixture Base Table required.



TA-TE
Tube Extrusion Jig measures the force needed to squeeze cream, paste or ointment out of a tube. Base Table required.



TA-TEF
Tube Extrusion Fixture measures continuous extrusion force of tube or sachet samples. Top vice grip included.



TA-MA
Muco Adhesion Test Fixture Simulates body/temperature conditions and force needed to pull a tablet away from a mucosal surface.



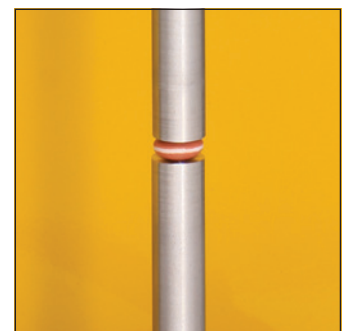
TA-RT
Raft Tester measures alginate Raft Strength by pulling wire raft hook out of the sample material.



TA-MDI
Metered Dose Inhaler Fixture measures the push-button force to actuate the inhaler. Fixture Base Table required.



TA-STJ
Syringe Test Fixture for measuring the force required to push or pull syringe plunger. Important to all syringe markets. Base Table required.



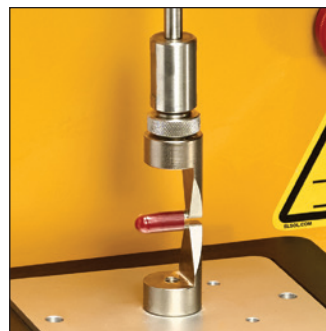
TA-TCA
Tablet Coating Adhesion Fixture measures the adhesion force of a tablet coating to a tablet. Fixture Base Table required.



TA-BLS
Bi-Layer Shear Fixture measures shear strength by cutting a two-part tablet or capsule using a guillotine blade. Fixture Base Table required.



TA-BPS
Blister Pack Support Fixture is used to measure the force required to remove the tablet from its blister pack. Fixture Base Table required.



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Capsule Loop Tensile Test Fixture is used to measure the force required to split one half of a hard gel capsule. Fixture Base Table required.



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