

# The New CTX™ Texture Analyzer

compression and tension testing for rapid QC analysis

The CTX Texture Tester is AMETEK Brookfield's new advanced model for the compression/tension testing of materials. It brings an exciting new dimension of quick, efficient testing to busy labs that need to improve productivity while maintaining quality.

The CTX usability features allow for easy set up to get you up and running quickly. Whether you are testing the consistency of pills and tablets, the peel ability of a yogurt lid, or the tensile strength of lipstick, our new CTX will meet your ever-growing testing needs.

The addition of TexturePro Software makes the CTX ideal for R&D labs performing material evaluation/characterization tests. It also is great in QC applications where data can be sent or saved in multiple formats.



### What's New?

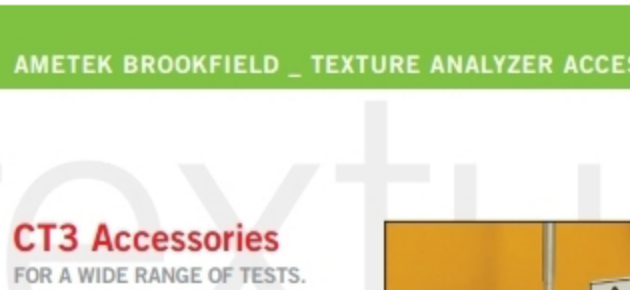
- FLEXIBILITY** - Interchangeable load cells for optimal flexibility (eight choices ranging from 100g to 100kg)
- FUNCTIONALITY** - Extended boom travel up to 280mm for longer reach testing
- SPEED** - Faster travel means faster testing
- PRECISION** - 500 Hz data output rate captures the precise moment there is a change to your sample

### Optional Accessories

The CTX has a wide variety of probes, fixtures for testing broad categories of packaging materials, foods of all types, cosmetics, pharmaceuticals, and mechanical devices. AMETEK Brookfield can also custom design a fixture and probe for most applications.

- TexturePro Software
- Temperature Probe
- Bubble Level
- Calibration Weight Set
- Gelatin Bath System for gel conditioning
- Bloom Jar - industry approved

CTX with TA-GPG General Peeling Jig for measuring the adhesion strength needed to remove the lid from a sealed container



## CT3 Accessories

FOR A WIDE RANGE OF TESTS.

While many CT3 accessories have multiple applications, some are particularly useful for specific industries. The following color coded icons are used here to identify these industries.

- **FOODS**
- **COSMETICS**
- **PHARMACEUTICALS**
- **MATERIALS & PACKAGING**
- **DEVICES - MECHANICAL**



**TA-DSJ** Dough Stickiness Fixture is standard test for measuring dough stickiness; important for processing raw dough. Fixture Base Table required.



**TA-KF** Kieffer Dough and Gluten Extensibility Fixture quantifies maximum force and distance needed to break sample. Fixture Base Table required.



**TA-JPA** Junior Punch Fixture is for punching through flat samples; 12.7mm max. diameter probe. Hole in fixture is 14mm. Rotary Base Table required.



**TA-TPB** Three Point Bend Fixture is used with TA7 blade from general probe kit. Fixture Base Table required. Small scale version TA-JTPB is available.



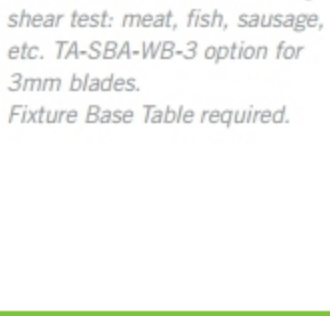
**TA-PTF** Pizza Tensile Fixture quantifies cooked pizza firmness by measuring the tensile force and deformation distance to break sample.



**TA-FMBRA** Standard dough pot set for preparing dough samples and measuring dough firmness.



**TA-AACC36** AACC spec probe for measuring bread firmness and performing texture profile analysis (TPA). Fixture Base Table required.



**TA-SBA-WB-1** 1mm Shear Blade for cutting-shear test: meat, fish, sausage, etc. TA-SBA-WB-3 option for 3mm blades. Fixture Base Table required.

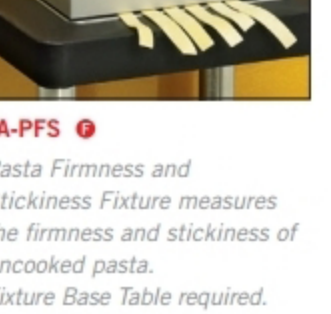
## SCINTECK INSTRUMENTS LLC WWW.SCINTECK.COM



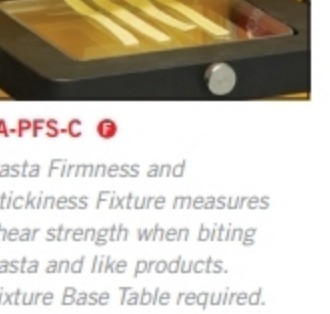
**TA-SFF** Spaghetti Flexure Fixture quantifies flexure characteristics of uncooked spaghetti and other dry pastas.



**TA-OC-002** Ottawa Cell (447cc) for bulk compression to determine hardness and crispness of cereals, vegetables or fruits. Fixture Base Table required.



**TA-PFS** Pasta Firmness and Stickiness Fixture measures the firmness and stickiness of uncooked pasta. Fixture Base Table required.



**TA-PFS-C** Pasta Firmness and Stickiness Fixture measures shear strength when biting pasta and like products. Fixture Base Table required.



**TA-KSC-002** Kramer Shear Cell - Sharp to measure shear force of small composite samples such as grapes, corn and beans. Fixture Base Table required.



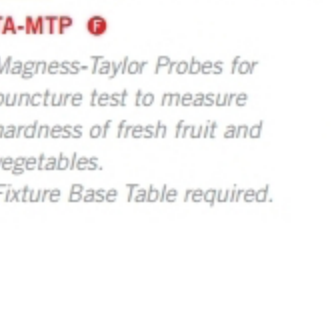
**TA-CSF** Circular Support Fixture provides support for round samples and retains any potential fluid expressed during the test. Fixture Base Table required.



**TA-WSP** Wire Shear Plate cuts through the sample. Good for products with significant stickiness like cheese and butter. Fixture Base Table required.



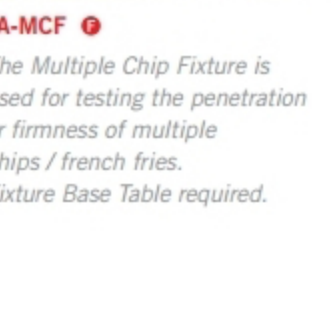
**TA-CEF** Cheese Extensibility Fixture measures the extensibility of molten cheese sample to breaking point.



**TA-MTP** Magnet Probes for puncture test to measure hardness of fresh fruit and vegetables. Fixture Base Table required.



**TA10** GMIA & GME probe and spec Bloom bottle TA-GBB-2 sold in package of twelve bottles.



**TA-MCF** The Multiple Test Fixture is used for testing the penetration or firmness of multiple chips / french fries. Fixture Base Table required.



**TA-CJ** Confectionary Fixture for holding candies and similar products for penetration testing. Fixture Base Table required. Probe not included.

scintek.com

## AMETEK BROOKFIELD \_ TEXTURE ANALYZER ACCESSORIES

### CT3 Accessories

FOR A WIDE RANGE OF TESTS.

While many CT3 accessories have multiple applications, some are particularly useful for specific industries. The following color coded icons are used here to identify these industries.

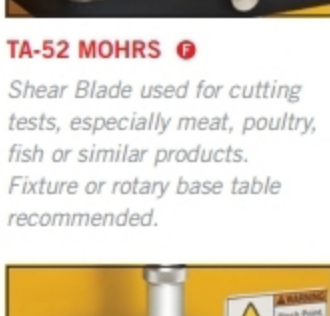
- **FOODS**
- **COSMETICS**
- **PHARMACEUTICALS**
- **MATERIALS & PACKAGING**
- **DEVICES - MECHANICAL**



**TA-TRF** Tortilla Roll Up Fixture evaluates changes in corn tortilla texture per AACC technical paper by measuring the force to roll up a tortilla.



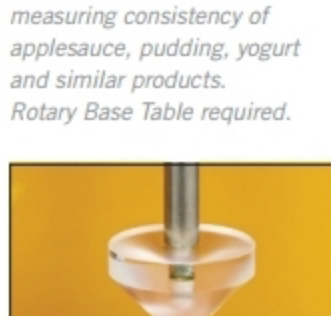
**TA-CKA** Craft Knife Adapter cuts cleanly into and through material with minimum deformation of the sample.



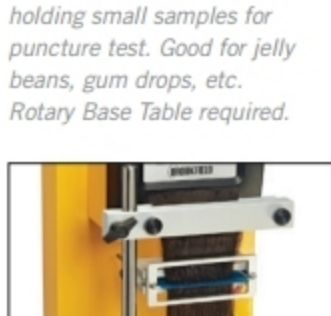
**TA-52 MOHRS** Shear Blade used for cutting tests, especially meat, poultry, fish or similar products. Fixture or rotary base table recommended.



**TA-MP** Mesh Probe quantifies the consistency of products such as mayonnaise and yogurt.



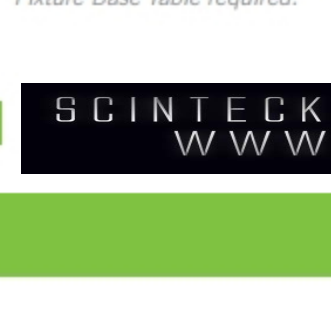
**TA-BEC** Back Extrusion Cell for measuring consistency of applesauce, pudding, yogurt and similar products. Rotary Base Table required.



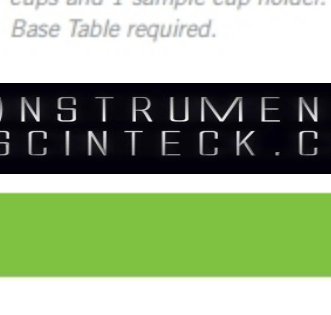
**TA-AVJ** Adjustable Vice Fixture for holding small samples for puncture test. Good for jelly beans, gum drops, etc. Rotary Base Table required.



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



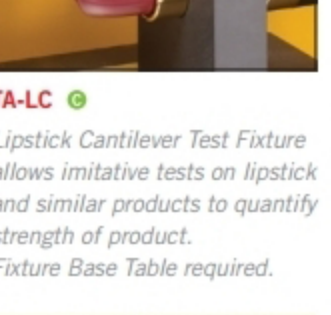
**TA-STF** Spread Test Fixture quantifies the spread force of a material. Comes with 1 male cone probe, 5 five samples cups and 1 sample cup holder. Base Table required.



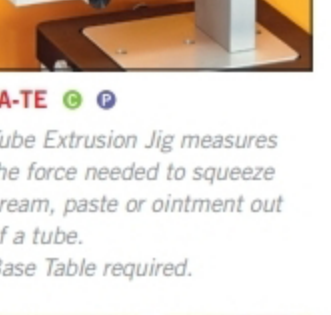
**TA-HCF** Hair Combability Fixture measures the effect of hair dye, shampoos and conditioners on the combability of hair.



**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.



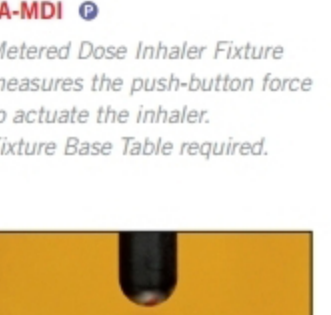
**TA-TEF** Tube Extrusion Fixture measures continuous extrusion force of tube or sachet samples. Top vice grip included.



**TA-MA** Mucosa 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.



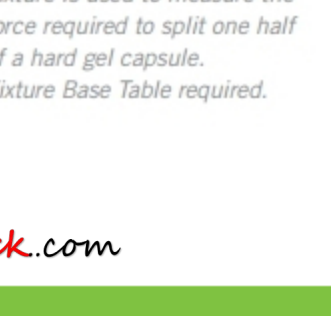
**TA-TCA** Tablet Coating Adhesion Fixture measures the adhesion force of a tablet coating to a tablet. Fixture Base Table required.



**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 tensile strength 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.



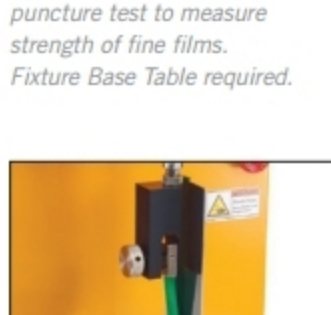
**TA-TCF** Tablet Compression Fixture performs a ring crush test (includes four rings). Bead compression test fixture is also included. Fixture Base Table required.

scintek.com

## AMETEK BROOKFIELD \_ TEXTURE ANALYZER ACCESSORIES



**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-LTT** Loop Tack Test measures the adhesive strength of pressure sensitive tape and stickers according to ASTM D6195.



**TA-RIF** Rotary Indexing Fixture measures adhesive force to pull tape off a surface. Adhesive force tested on same sample for average value. Fixture Base Table required.



**TA-GPJ** General Peeling Jig measures the adhesive strength needed to remove the lid from a sealed container at 0°, 45°, and 90° angles.



**TA-PF180** 180° Peel Fixture consists of top & bottom grips to measure the adhesive strength when pulling tape off rigid surface using force at 180° angle.



**TA-PF90** 90° Peel Fixture measures the adhesive strength to pull a tape off of a rigid surface using force at a 90° angle.



**TA-ATPT** Adhesive Test Fixture measures adhesive force of plaster and similar samples. Includes flat cylindrical probe, base plate and top clamp to hold the sample.



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



**TA-RCA** Roller Cam Accessory grips measure the tensile strength and tear characteristics of material such as polymer films.



**TA-SFJ** Sliding Friction Jig measures the coefficient of friction for packaging materials according to ASTM D1894.



**TA11** Cylindrical probe TA11 is used to measure the force vs. distance in mechanical springs. TA11: included in TA-P-KIT2 or as a standalone part.

## SCINTECK INSTRUMENTS LLC WWW.SCINTECK.COM