

TESTING ATTACHMENTS FOR GELS AND FILMS

Any of the Stable Micro Systems Texture Analyser range may be used for testing the products listed below. A selection of special attachments and typical measurements are also shown which are commonly used in this application area. However, this does not show the complete range of attachments available for the testing of gels and films. Test procedures include: compression, puncture/penetration, tension, fracture/bending, extrusion (forward and backward), cutting/shearing.



TA.XT plusC
Texture Analyser



TA.HD plusC
Texture Analyser



TA.XT ExpressC
Texture Analyser

Typical measurements include:

- Gel Strength
- Bloom Strength (according to ISO, AOAC or GMIA)
- Rupture Force
- Elasticity/Brittleness
- Adhesiveness
- Mucoadhesion
- Fundamental moduli
- Film burst strength, resilience and relaxation
- Film tensile strength and elongation
- Film peeling properties



0.5" Diameter Cylinder Probe
With the use of a Bloom Jar and Centralising Base. For GMIA or ISO Standard Bloom Strength (Gelatine) or Gel Strength measurement.



Cylinder Probes and Compression Platens
Self-supporting gels can undergo compression testing to provide a measure of fundamental moduli.



Back Extrusion Rig
Measures the consistency of viscous and gelled products.



Film Support Rig

This rig allows testing of thin, film-like products to measure the burst strength, resilience and relaxation properties.



90 degree Peel Rig

Allows 90 degree peel testing via a sliding platform.



Flexible Substrate Clamp

This device incorporates a multi-slot plate and a clamping fixture for the measurement of adhesiveness of films against a substrate.



Indexable Film Support Rig

This rig enables carrying out a series of tests on a sample and thereby increasing sample throughput.



Tensile Grips

Provide a means of clamping a film material for the measurement of tensile strength and elongation.



Pneumatic Grips

Gripping pressure can be controlled precisely providing an alternative means of holding a sample for tensile testing.



Application Studies are available for the testing of gels and films using either the TA.XT*plus*, TA.HD*plus* or TA.XT*Express* texture analysers.

In addition, **Scientific Papers** have been published which reference the use of the TA.XT*plus*, TA.HD*plus* and TA.XT*Express* in the testing of gels and films.

Paper titles and citation details are available on our website.

Stable Micro Systems Ltd

Vienna Court, Lammas Road,
Godalming, Surrey GU7 1YL, UK

Telephone: **+44 (0) 1483 427345**



www.stablemicrosystems.com