

Food Texture Analyzer

Grip & Fixture

 Made In Thailand

Ordering Information



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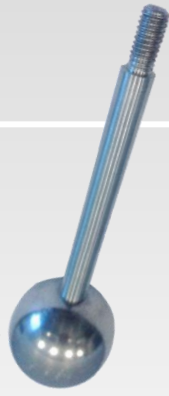
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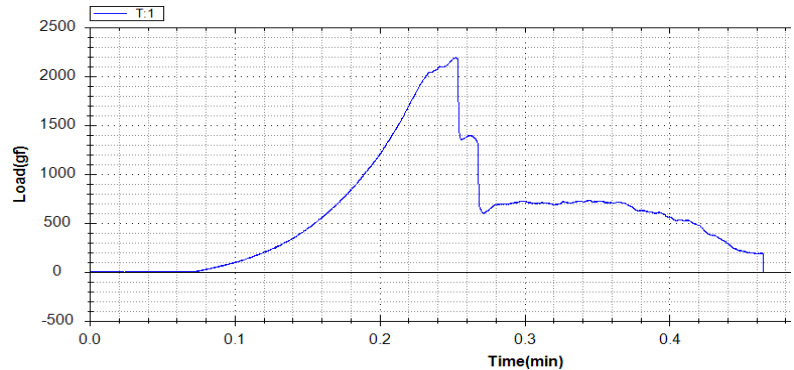


Ball Probes

For determining surface hardness of products such as cheeses, fruits and vegetables, or the gel strength of Surimi products, the ball probe range features precision-engineered stainless steel ball-end probes. This ball design of probe is ideal for testing products with uneven surfaces.

Applications :

Hardness of product Gel Strength or burst strength



Specification :

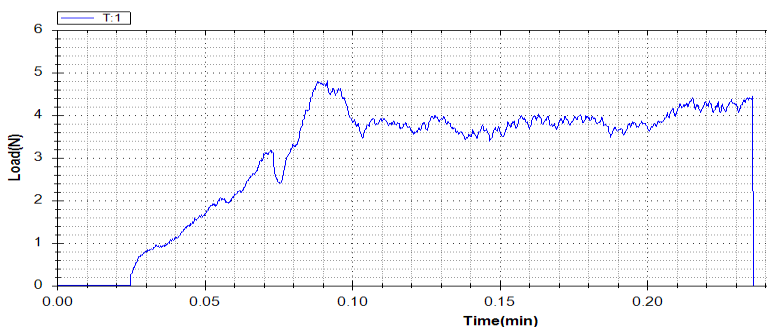
Ball Diameter : 4 , 5 , 6 , 8,10, 25 mm

Screw Fitting : M5

The principle of the cylindrical probe is that as the probe is forced into the sample, a shearing force acts. Which causes the sample to deform or rupture. This produces a curve showing load resulting from deformation.

Applications :

Cylindrical probes have traditionally been used as general purpose compression probes for a wide range of applications.



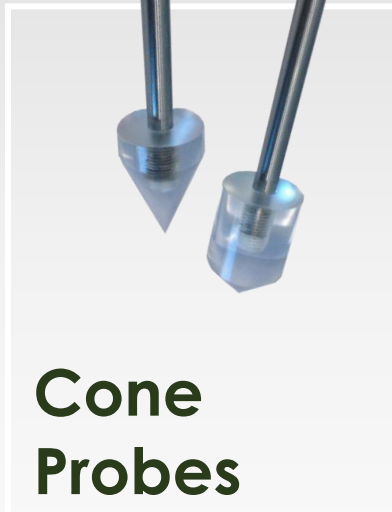
Specification :

Diameter : 2,4, 5, 6 ,8, 10, 25.4, 25, 35, 36, 100 mm.

Screw Fitting : M5



Cylinder Probes



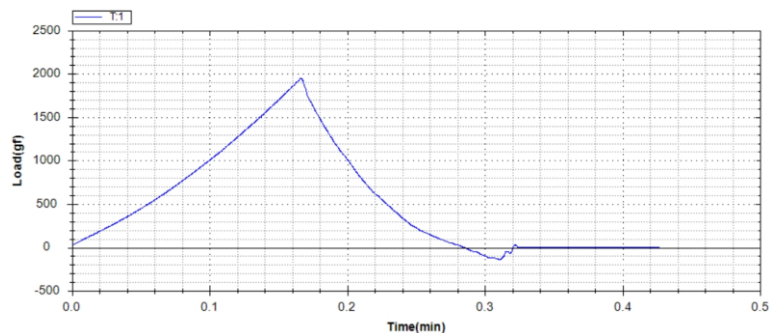
Cone Probes

Cone probes are supplied with a range of angles, from 15° to 90°. The selection of the appropriate cone is, in some cases, dependent upon the testing standard, or alternatively can be selected appropriately for the consistency of the material being tested.

Applications :

Cone probes have been used for many years, particularly on penetrometers, for testing building industry products such as sealants and mastics, and the cosmetics and pharmaceutical industries for testing creams and pastes. Cone probes are useful for determining the spreadability of dairy

products such as margarine, butter and spreads

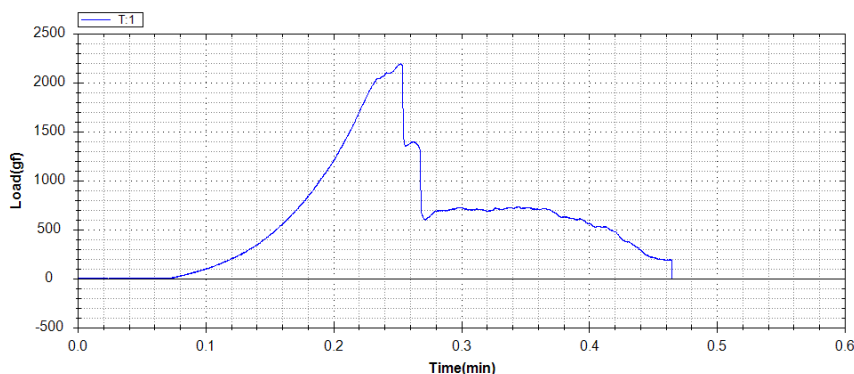


Packaging :

Screw Fitting M5

The jig consists of a rigid frame supporting a shear bar. Interchangeable shear blades fit into the frame.

Capacity : 500 N.



Packaging :

The kit is supplied with two blades: A square cut blade, a 'V' blade.



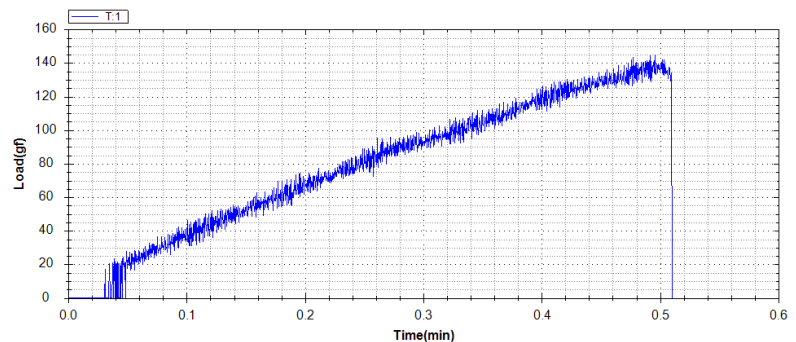
Warner Bratzler Shear Blade Set



Spaghetti Noodle Testing Fixture

The set consists of two roller grips, designed for tensile testing of food products such as spaghetti and noodles.

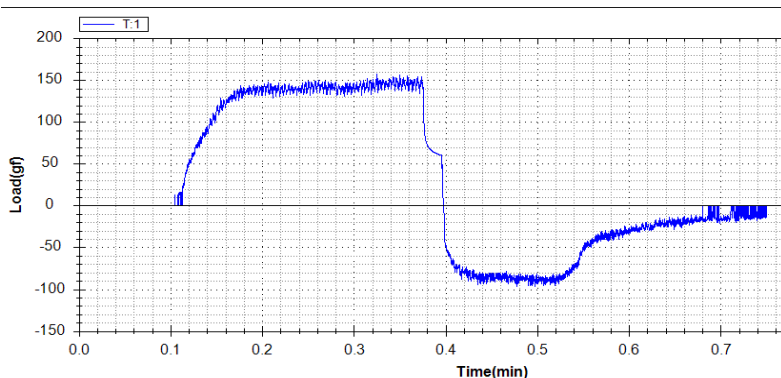
Load Cell : 20 N. required



Packaging :

Complete upper and lower jig

The Back Extrusion Food Cell consists of a circular plunger which is driven into a larger cylinder to compress the food sample and force it through the gap between the plunger and the container. This results in a peak compression force and then a fluctuating compression force.



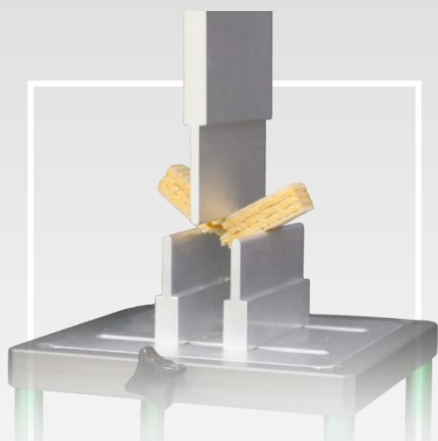
Loadcell : 100 N. required

Packaging

The kit is supplied with three different diameter plungers

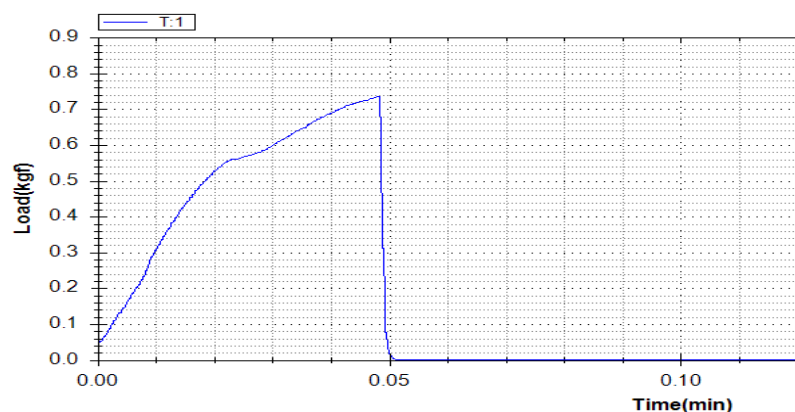


Back Extrusion Food Cell



3-Point Bend Test for food

Three point bend jig for general purpose food sample fracture testing.

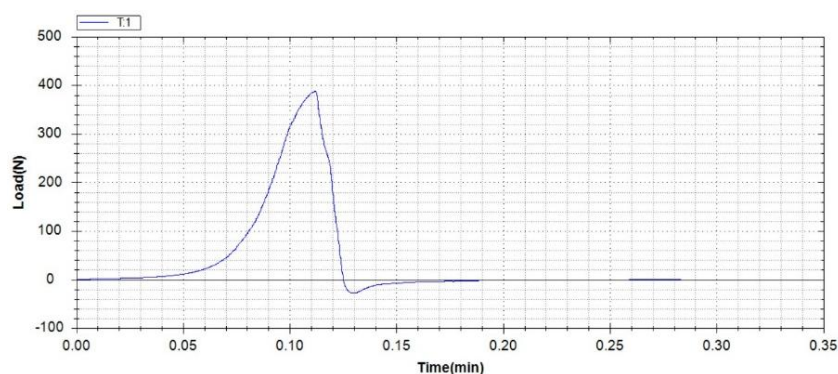


Packaging

Complete jig.

The rice extrusion rig is support for ISO 11747 (extrusion test standard) and design for stickines and soft properties of cooked rice.

Load cell : 1000 N. required

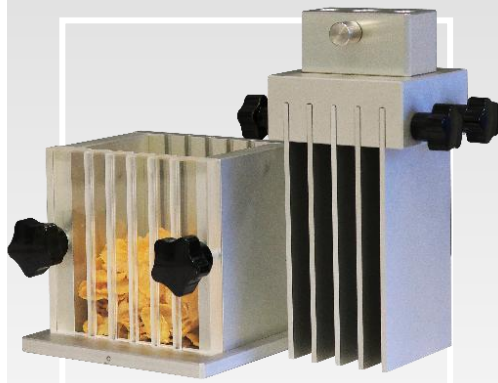


Packaging :

The kit is supplied with rice extrusion rig / fixture width 12mm with a 1.5 radii on upper and lower fixture.



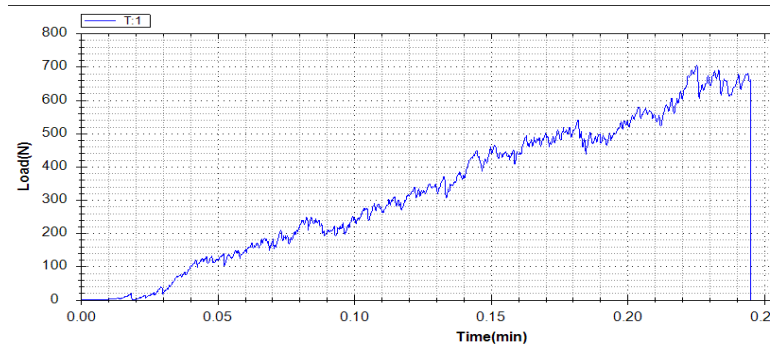
Rice Extrusion Rig



Kramer Shear cell

The Kramer shear cell used for shear testing of uneven shape test such as cereals, vegetable, conflux etc.

Load cell : 1000 N. required

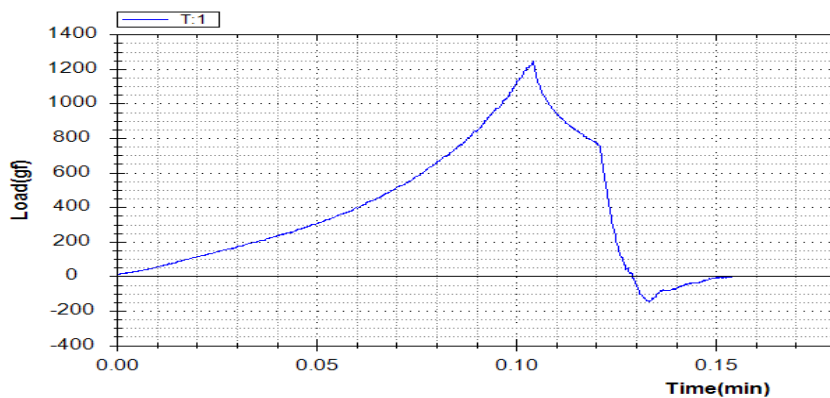


Packaging :

The kit is supplied with fixture, an upper fixture with 5 blades that match to 5 slots in the lower fixture

The Dough Stickiness Jig is used for the stickiness properties of dough, test result for stickiness and softness.

Load cell : 200 N. required



Packaging

Include cylinder probe diameter 25 mm 1 pcs



Dough stickiness

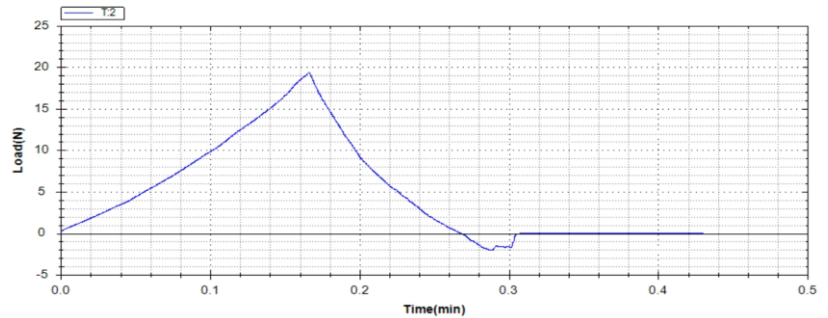


Spreadability Jig

The jig is used to test the Spreadability of butter, margarine, fat, cream lotion, cheese spreads, chocolate spreads and pastes

It consists of a universal pot holder two sample pots and a 90 ° cone probe

Load cell : 100 N. required



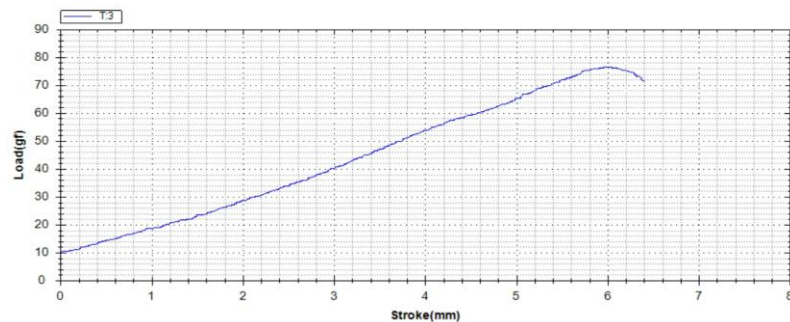
Packaging :

It consists of a universal pot holder two sample pots and a 90 ° cone probe

Screw Fitting : M5

The Volodkevich Bite Jig is primarily used for shear testing on meat products although may be used for other products; it simulates a bite action similar to incisor action. Fixture width 12mm with a 1.5 radii on upper and lower fixture

Load cell : 1000 N. required



Packaging :

Fixture width 12mm with a 1.5 radii on upper and lower fixture

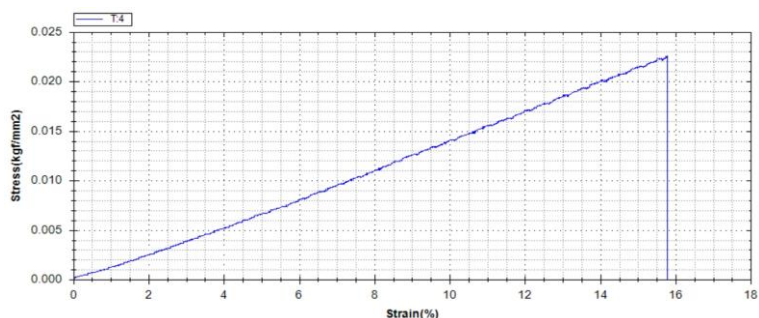


Volodkevich Bite Jig



Magnus Taylor Puncture Probe Set

Ideal for puncture and penetration tests on fruits, vegetables and other food products. This set consists of two pairs of cylindrical probes of different diameters: 8 mm and 11 mm. Each pair has one half round domed end. Test is a simple compress to limit from trigger.



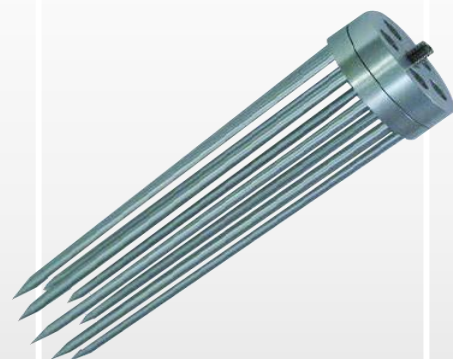
Specification :

Screw Fitting : M5

The Multi-probe Jig is primarily used for testing the firmness and hardness of samples.

The unique product design allows for typical products are jams, cabbage, preserves, marmalades, ice creams, nut spreads and peanut butter.

Load cell : 1000 N. required



Multi-Probe



Base Table

The base table is support for food texture analyzer standard, It can be used as a general testing platform and also to hold some of the specialist fixture.

A range of texture analysis accessories kits are available. Each kit consists of specially selected jigs and probes for analysis of specific food types. Application of a texture analysis system in an organization can highlight numerous quality improvement opportunities and other benefits through operations, typically research and development, production/process control, and quality assurance/control

Texture Analysis Accessory Kits

Bakery Accessories Kit

A Bakery Kit containing the following items :

- 3-point bend jig
- Dough firmness testing set
- Comparative dough stickiness measurements jig
- Crisp fracture support jig
- 25 mm diameter cylinder probe

A Confectionery Kit containing the following items :

- 3 point bend jig
- 4 mm diameter cylinder probe
- 25 diameter cylinder probe
- 4 mm diameter ball probe
- 12mm diameter ball probe

Confectionery Accessories Kit

Dairy Accessories Kit

A Dairy Kit consisting of the following items :

- Butter cutting jig
- 50 mm diameter cylinder probe
- 2 mm diameter cylinder probe
- 4 mm diameter cylinder probe

This probe set contains the following items :

- 6 mm diameter cylinder probe
- 25 mm diameter cylinder probe
- 12 mm diameter ball probe
- 25 mm diameter ball probe

General Food Probe Kit