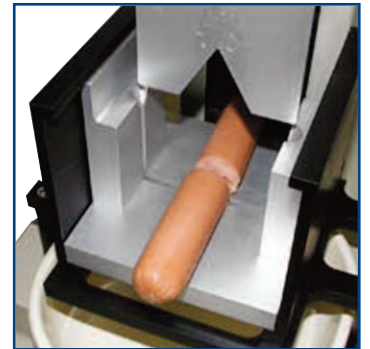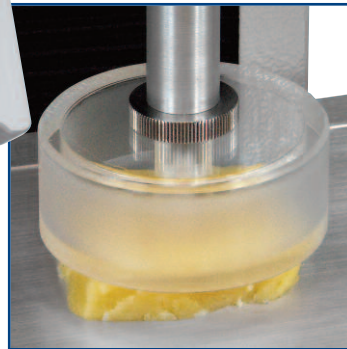**Food Technology Corporation**

Your path to consistent quality

TMS-Touch
Texture Analyzer

Touch Screen Controlled Systems for the Food Industry

www.foodtechcorp.com

TMS-Touch Texture Analyzer

What is the TMS-Touch Texture Analyzer?

Easy to operate, Food Technology Corporation's TMS-Touch texture analyzer is an affordable, stand alone system designed specifically for quick and easy food texture assessments.

Operated via an easy to use Touch Screen LCD Console the TMS-Touch requires minimal operator training. Tests are performed at the push of a button to instantly determine consistent standards within the raw or finished product, saving time and money.

Use the TMS-Touch to quickly determine the textural properties of bakery products, cereals, confectionery, snacks, dairy products, fruit, vegetables, meat products and many more…
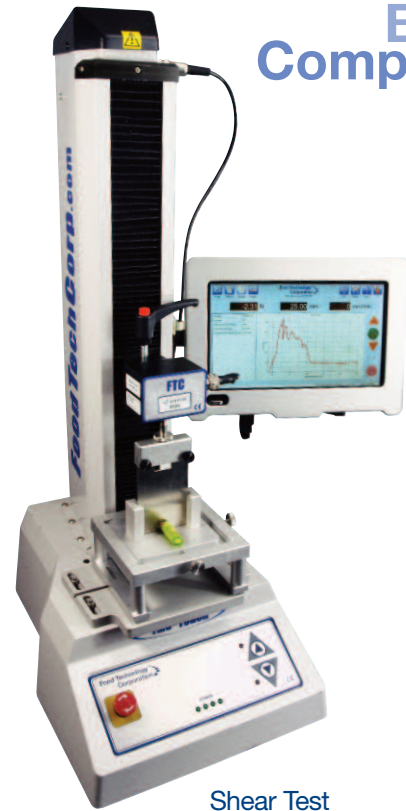
Bend
**Compress**

Shear Test

Key Features

Operators

• Password protected log-in - identifies operator for full traceability

• Fast access to 5 favorite tests - customized icons ensure instant test selection

• Unlimited library storage of test methods - minimizes set-up time

• Easy-to-use with minimal training - "Simplicity itself" one button launches the test

• Large, easy-to-read touch screen display - clearly shows Test Results and Graph

• Test Report - print a comprehensive report of results tailored to your needs

Administrators

• Easy programming - intuitive menus guide you through creation of test routines

• Customized reports - create your own tailored report

• Choice of 3 program modes:

> • **"Quick Test"** for basic force testing
> • **"Program Test"** for standard test routines
> • **"Advanced Test"** for sophisticated test routines

• Simple touch screen interface - no separate computer required

• Access - master and operator modes for test security

• Flexible - "plug & play" for easy interchange of load cells
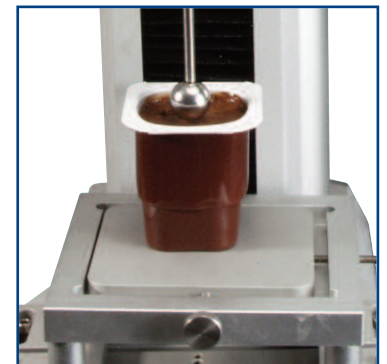
Consistency
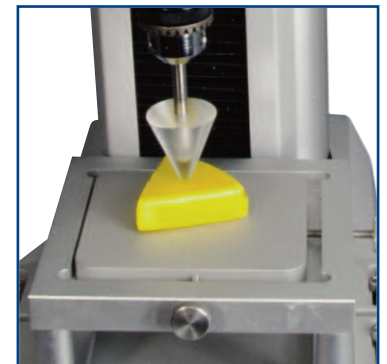
Firmness

TMS-Touch Technical Overview

The TMS-Touch makes quality control testing in a production or laboratory environment a much simpler task at an affordable price.

Performs compression and tension tests with cyclic option

10 Interchangeable load cells available from 2 to 2500 Newtons that can be changed in seconds for ultimate precision and flexibility

Easy-to-use touch screen Console with easy to recognize, context dependant icons & pop-up key-pad for direct entry of numbers and letters

Over 200 test probes & fixtures compliable with international industry testing standards. Universal test table & fixture mounts will accept competitor's fixtures for even more flexibility
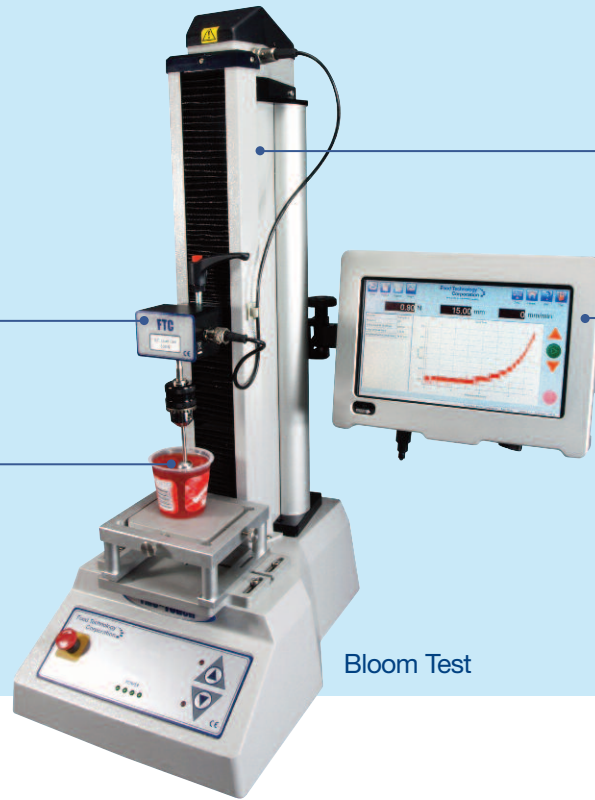
Squeeze Peel

Bloom Test

Easy-to-use Touch Screen Console

Quick Test
Elementary test without program

Program Test
Standard programs with load & position control

Advanced Test
Upgrade to full programming capability to create & run sophisticated test routines

Ergonomic Design
Adjustable console, pivots and tilts for maximum comfortable use and easy viewing

USB Ports
Connection to wired & wireless networks, memory stick, printers & other USB devices

"5 Favorites"
Customized icons aid selection of your "5 favorite" tests

Flexible - Choice of Program Modes

Quick Test

- **Save time** no need to create a full program
- Run a basic tensile or compression test **on one screen**
- Ideal for occasional **one-off testing**

Test Type
Select test type

Speed & Load
Define parameters such as speed, load & extension

Calculations
Choose which pre-defined calculations are required by simply ticking a check box

Program Test

- Ideal for **hosting established tests**
- **Create multi-stage test routines** to run to load, displacement or break
- **Frequently used tests** can be assigned to 5 "Favorite" buttons
- **Save unlimited number of tests** in a library for easy storage and access
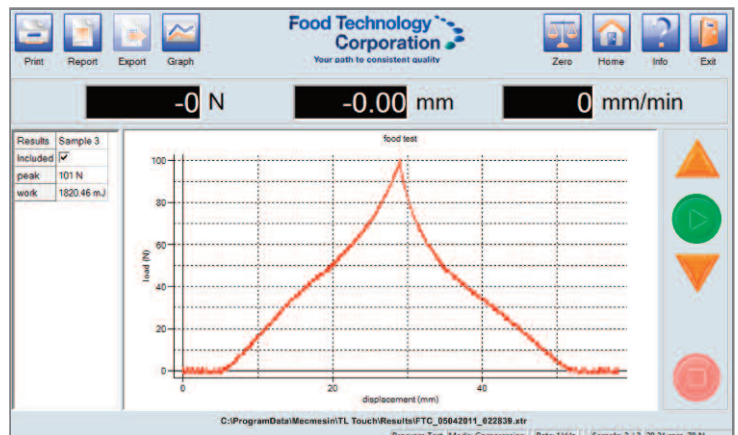
Reports & Exporting

- Select standard reports or customize your own using built-in templates

- Save test set-up and results via memory stick or wired & wireless networks

- Automatic export of data to Microsoft Excel® and SPC packages

- Collect data at 1000 times per second for detailed recording of results from every sample and accurate capture of peak loads

Extrude Stretch
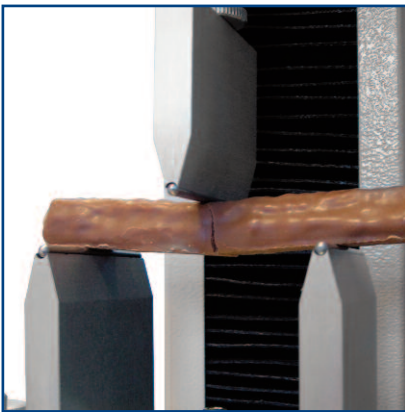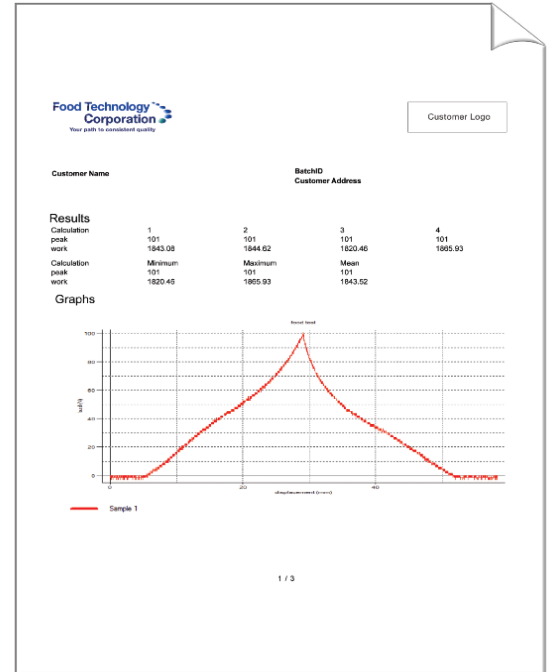
Snapping

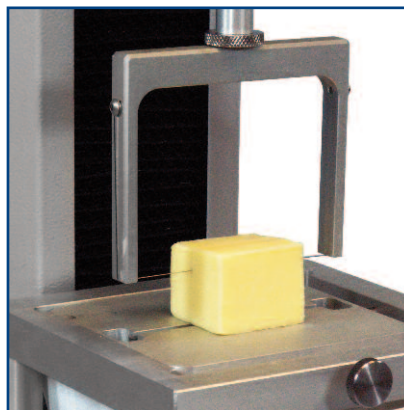## Upgrade Path

Protect your investment

If your requirements change upgrade to enable the Advanced Test program mode. This gives you the full programming functionality of FTC's premium TL-Pro software.

Compression

Shearing

Extrusion

System Specification

Force Range	2500N (562lbf, 255kgf)
Force Resolution	±0.015% of selected load cell's range in Newtons
Load Cell Measurement Accuracy	±0.1% of full scale for load cells from 2 to 2500N
Travel Range	330mm (13.0")
Position Resolution	±0.01mm (±0.0004")
Speed Range	1 - 1000mm/min (0.05 - 40in/min)
Speed Accuracy	±0.1% of indicated speed
Data Acquisition Rate	Selectable from 1000, 500, 100, 50, 10
Load Cells	Intelligent load cells, changeable by the user in seconds
Capacities Available	2, 5, 10, 25, 50, 100, 250, 500, 1000, 2500N (0.45 - 562lbf, 0.2 - 255kgf)
Weight	27kg (60lbs)
Power Supply	230V AC 50Hz or 110V AC 60Hz
Loadholding	Yes
PLC/Digital Control Interface	Yes, via programmable digital ports (6 Inputs, 6 Outputs)

Who is Food Technology Corporation?

Founded in 1966, Food Technology Corporation is the industry's longest standing provider of quality texture measurement systems. With over 40 years experience evolving from the groundbreaking Kramer Shear Press, our company is able to provide systems for the field, factory and laboratory test environments. Our extensive experience in practical food texture measurements, combined with our cost-effective solutions makes us the ideal partner for your texture instrumentation needs.

Food Technology Corporation

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