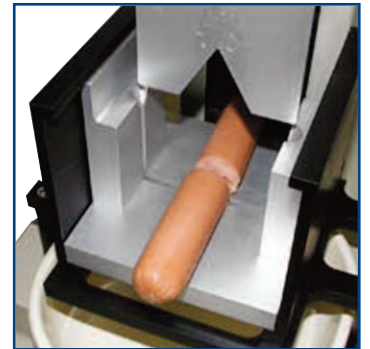
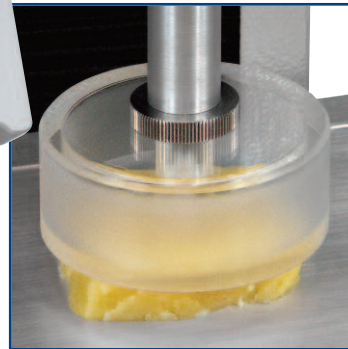


Food Technology Corporation

Your path to consistent quality



TMS-Touch Texture Analyzer

Touch Screen Controlled Systems
for the Food Industry

DASTEC S.R.L.

Representantes / Distribuidores Exclusivos

Argentina

Tel: (+54 11) 5352 2500

Email: info@dastecsr.com.ar

Web: www.dastecsr.com.ar

www.foodtechcorp.com

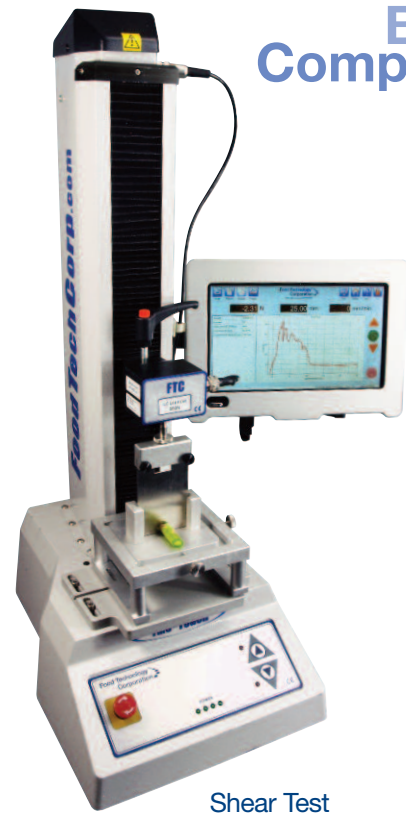
TMS-Touch Texture Analyzer

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

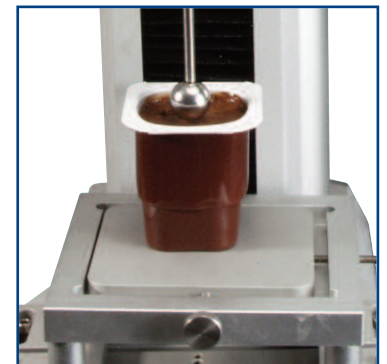


- Password protected log-in - identifies operator for full traceability
- Fast access to 5 favorite tests - customized icons ensure instant test selection
- Unlimited library storage of test methods - minimizes set-up time
- Easy-to-use with minimal training - "Simplicity itself" one button launches 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

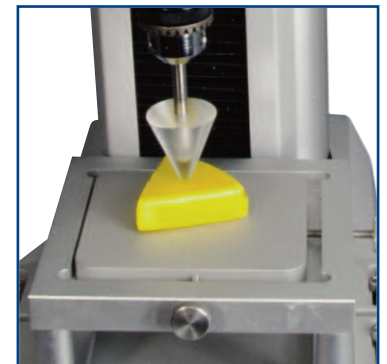
Administrators



- 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

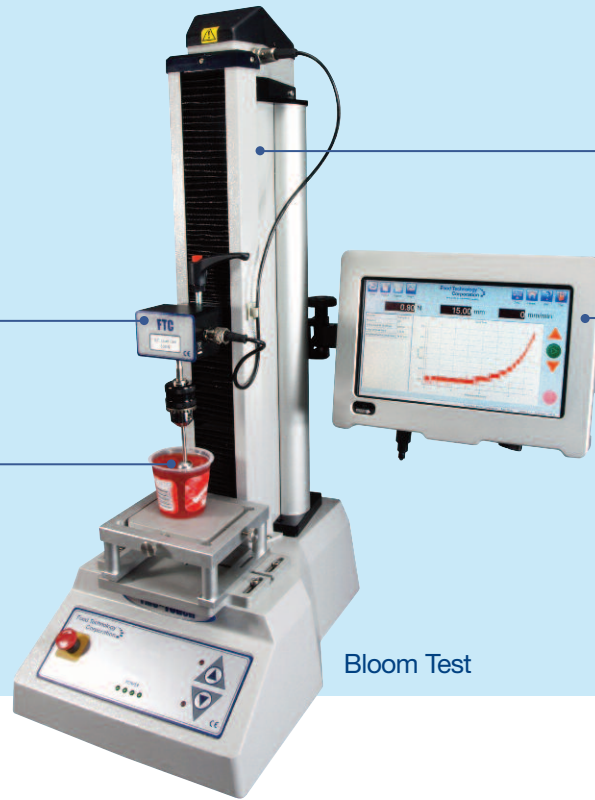
The TMS-Touch makes quality control testing in a production or laboratory environment a much simpler task at an affordable price.

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

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

Performs compression and tension tests with cyclic option

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



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

Quick Test

Test

Tension Compression

Speed: 200 mm/min

Run to load Run to Displacement

Extension: 25 mm

Break detection

Break %:

Pre-test Tare Load

Pre-test Tare Displacement

Calculations

Load @ break

Displacement @ break

Displacement @ target load

Load @ target displacement

Load @ maximum load

Displacement @ maximum load

Graph Settings

Load/Displacement Load/Time

Displacement/Time Others

Y-Axis: X-Axis:

Run Cancel



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

Program Test Set-up

Test | Data Handling | Calculations | Test Settings | Graph Settings | Report Set-up | Export Set-up

Available Calculations: AREA

Selected Calculations:

| | |
|---|------|
| 1 | PEAK |
| 2 | AREA |

PEAK Parameters

Result title: peak

Y: load X: displacement

Start: Initial value mm Finish: Final value mm

Order: 0 %: 10

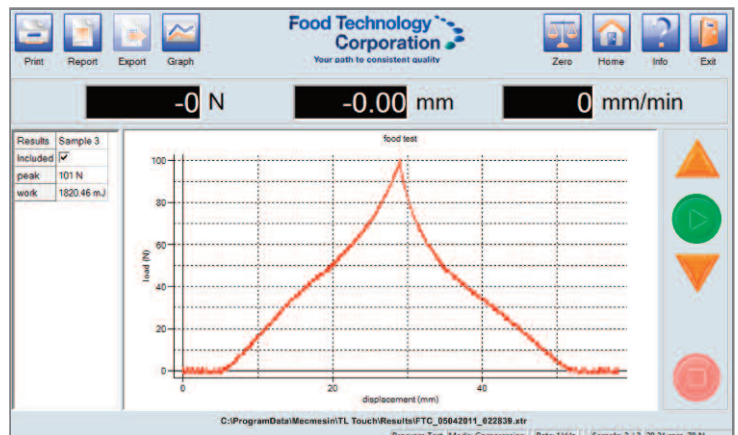
Result: load

Verify result

Maximum: Minimum:

Add Remove

Save and Exit Cancel

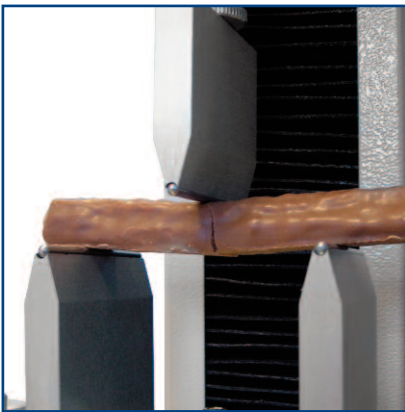
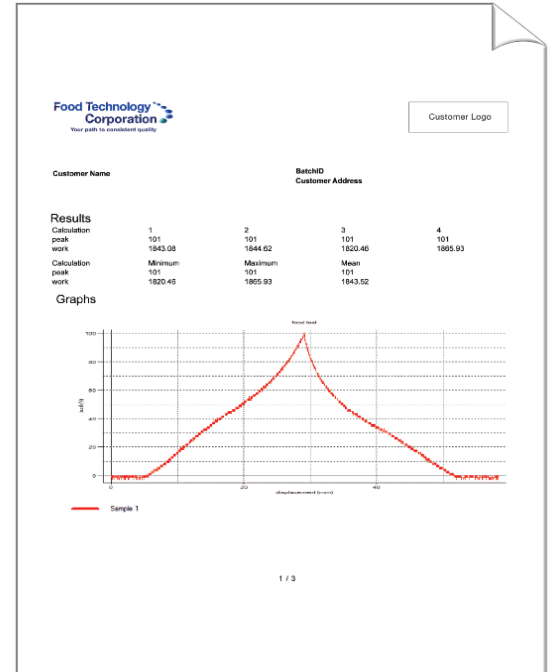


Reports & Exporting



- 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

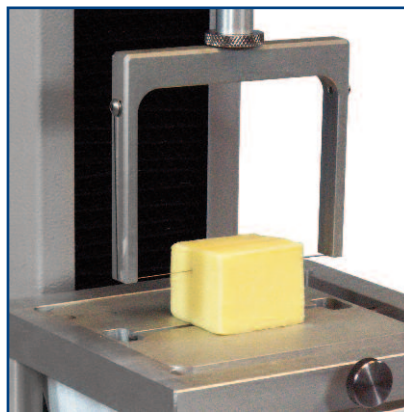
Upgrade Path

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

45921 Maries Road, Suite 120,
Sterling, Virginia, 20166 USA.

t: 703-444-1870

f: 703-444-9860

e: info@foodtechcorp.com

DASTEC S.R.L.

Representantes / Distribuidores Exclusivos

 Argentina

Tel: (+54 11) 5352 2500

Email: info@dastecsrl.com.ar

Web: www.dastecsrl.com.ar

431-929-01

www.foodtechcorp.com