

# Mecmesin

## TMS-Pilot

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### Texture Analyzer



[www.textureanalyzers.com](http://www.textureanalyzers.com)

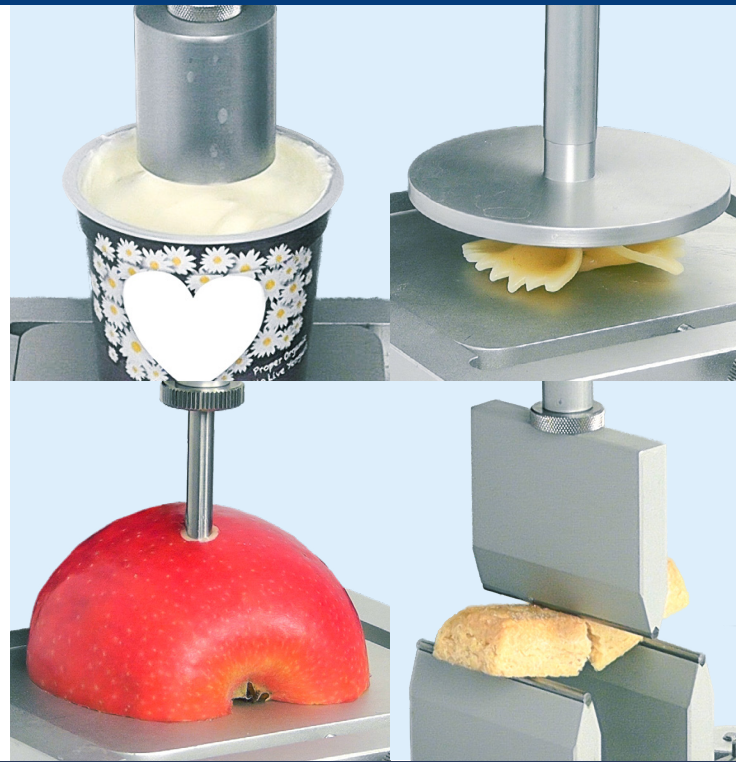
# TMS-Pilot Texture Analyzer

## Flexible and Affordable Texture Analyzer

Designed specifically for quick and easy texture assessments, the TMS-Pilot provides an affordable solution for texture analysis up to 500 N. Compact, rugged and portable, the motorised TMS-Pilot texture analyzer ensures reliable and repeatable test results. Use the TMS-Pilot to quickly determine the textural properties of bakery products, cereals, confectionery, snacks, dairy products, fruit and vegetables, as well as non-food products such as cosmetics, pharmaceuticals and many more...

The TMS-Pilot requires minimum operator training. Tests can determine consistent standards within the raw or finished product and programs can be saved for instant recall.

The TMS-Pilot can accommodate a wide range of fixtures. Just choose from a wide range of 'Plug and Play' loadcells and start to test your products



## Key Features

### Robust bench-top machine

- portable and easy to move around

### Easy-to-use with minimal training

- one touch to start test

### Integrated bellows

- protect against ingress

### Extensive range of probes & fixtures

- flexible and versatile

### 'Plug and Play' loadcells

- quick and easy to interchange

### Password protected login

- identifies operator for full traceability

### Storage of test methods as 'Favourites'

- minimises set-up time

### Customised test reports

- tailor reports of results to your needs

## Some of our customers

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FARMS®

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Since 1933



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# TMS-Pilot

## Technical Overview

Tension and compression testing

11 interchangeable intelligent loadcells from 2 to 500 N

Choice of more than 200 test probes and fixtures.



## System Specification

LOAD	
Maximum Load Rating in tension or compression	500 N (110 lbf)
Load Accuracy	±0.1% of full scale for loadcells from 2 – 500 N
Loadcells	Intelligent digital loadcells, changeable by the user in seconds
Loadcell Capacities Available	2, 5, 10, 25, 50, 100, 250, 500 N (0.45 – 112 lbf)
SPEED	
Speed Range	1 – 500 mm/min (0.04 – 19.5 in/min)
Speed Accuracy	± 0.1% of set speed
Speed Resolution	1 mm/min (0.04 in/min)
DISPLACEMENT	
Displacement Accuracy	±0.13 mm
Displacement Resolution	0.01 mm (0.0004")
Maximum Travel	300 mm (12")
DIMENSIONS	
Internal Acquisition Rate	Selectable from 1000, 500, 100, 50, 10 Hz
Internal Sampling Rate	16 kHz
Power Supply	110V/230V ac, 60/50 Hz
Weight	19.2 kg (42.3 lbs)
Operating Temperature	10°C – 35°C (50°F – 95°F)
Humidity Range	Normal industry and laboratory conditions, non-condensing

Mecmesin reserves the right to alter equipment specifications without prior notice. E&OE

# Mecmesin

a PPT Group company

a world leader in affordable  
texture analysis solutions

Mecmesin has extensive experience in practical food texture measurement and provides texture analysis systems for field, factory and laboratory test environments. Our expertise combined with our cost effective solutions makes us your ideal partner for your texture measurement needs.



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