

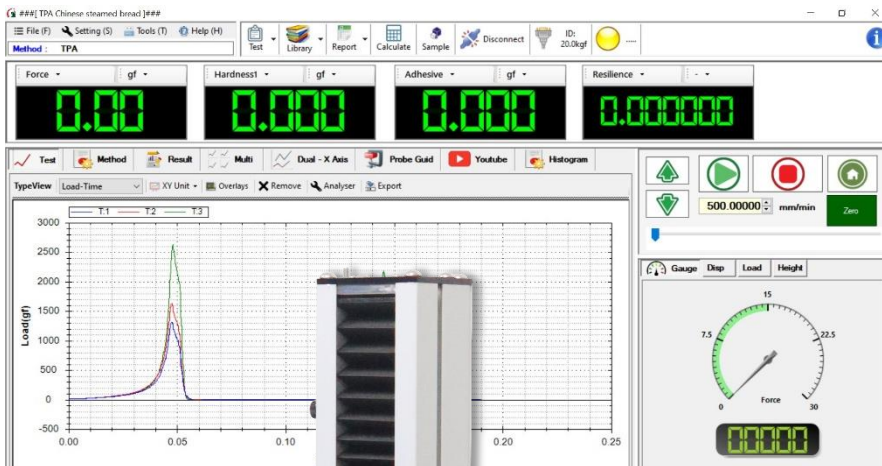
FOOD *Texture* ANALYZER

BRAYO

By Tech Quality Co.,Ltd.



Made In Thailand



Ordering Information

Tech-Quality Co.,Ltd

+662 328 6818

Call : +662-3286878

Website : www.tech-quality.com

2/13 Sukapiban 2 Rd., Pravet,
Pravet Bangkok 10250 Thailand

info@tech-quality.com

@techquality



Food Texture Analyzer

Model TA Pro

The Stealth TA Pro Series

Table Top Food Texture Analyzer are designed to test a wide spectrum of materials including low force application for a wide range of food types, including baked goods, cereals, confectionaries, snacks, dairy, fruit, vegetables, gelatins, meat, poultry, fish, pasta and even pet food & Packaging etc.

In food texture testing, standard tests such as compression, tension and flexure are used to measure Brittleness, Chewability, Chewiness, Elasticity, Fracturability, Gumminess, Hardness1, Hardness2, Rubberiness, Springiness, Stringiness, Adhesive, Adhesiveness, Consistency, Crispness, Crumb Extensibility, Crunchiness, Extensibility, Gel Strength, Hardness work done, Index of viscosity, Ripeness, Rupture Strength, Spreadability, Toughness, Work of Cutting, Work of Failure, Work of Penetration, Work of Shear

Simple to use Test Setup

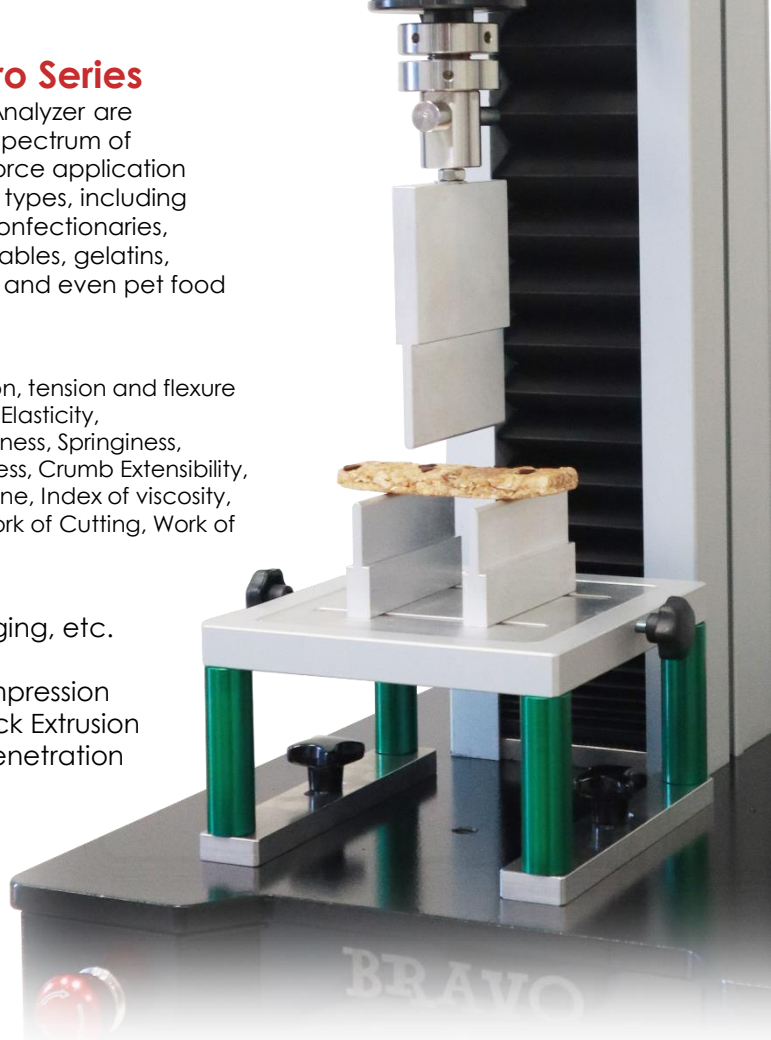
Limit Testing
Break Testing
Loop Testing
Preload Setup
Elongation Auto Return, Over Load Protection, Auto Save after test

Multi-control mode

-Position Control
-Strain Control
-Force Control
-Stress Control
-Multi-step control

Applications

Food & Packaging, etc.
- Bulk Analysis
- Tension / Compression
- Extrusion / Back Extrusion
- Puncture & Penetration
- Shear
- Bend & Break
- Peel & Seal



BlackHole Universal Software **12**

Force Resolution 1/500,000 **11**

Force measurement range 0.1% to 100% FS **10**

Data Transfer Rate to PC 1 kHz. **9**

Standard Library Testing and Training Video **8**

Grip to Grip Separation **7**

FEATURE TA PRO

6 Multi graph display

- * Load vs Time
- * Load vs Stroke
- * Elongation vs Time
- * Load vs Elongation
- * Stress vs Strain
- * Stress vs Stroke
- * Dual-X Axis
- * Histogram

1 Japan Brand Load Cell Grade 0.05%

2 Panasonic Servo Motor

3 Modern extruded profile High-quality load-frame design

4 10 Point calibration adjustment

5 Speed Range : 0.0001-3,000 mm/min

Specifications

TA Pro Machine Capacity : 1KN

Panasonic Servo Motor & Drive set

Crosshead Speed Range : 0.0001-3,000 mm/min

Displacement Resolution : 0.00001mm

Croshead Travel : 0.00001 - 450 mm

Calibration Tension & Compression 10 point

Load Cell Accuracy : +/- 0.1% FS / ISO17025 Class 0.5

Speed Accuracy : 0.1% FS

Data Transfer : Rate to PC 1 kHz.

Operating Temperature : 5° to 35°C (41° to 95°F)

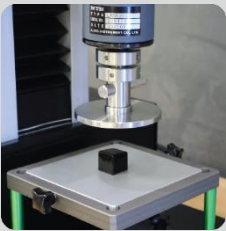
Communication port : USB

Supply Voltage : 220Vac ±10% 50-60 Hz 400watt

High Accuracy : Ball Screw Type

Weight Approximate : 30 kg

Warranty : 1 Year



Grass Jelly



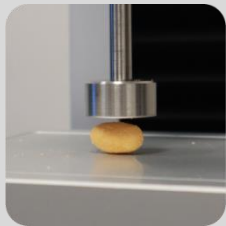
Burger Patties



Potato Chips



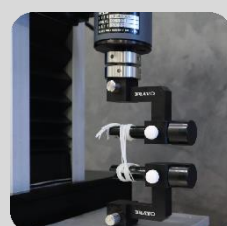
**Plant based
crispy pork**



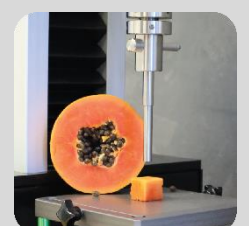
Peanut



Mantou



Noodle



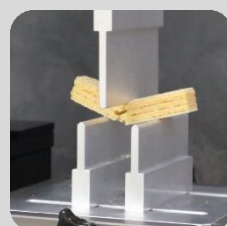
Papaya



Seaweed



Snack Bar



Wafer

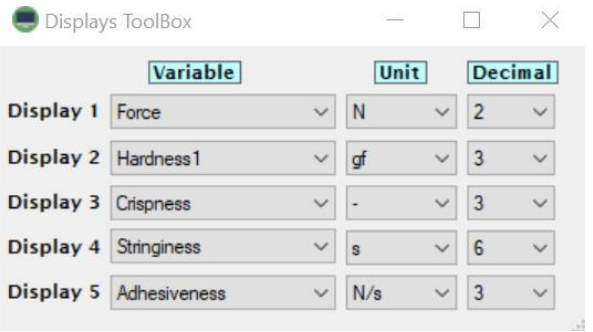


**Tomato
Souce**



Excel , PDF
User design reports

Multi Display & Decimal Point



Tech Quality Co.,Ltd

Address : 2/13 Sukapiban 2 Rd.,Pravet , Bangkok 10250 Thailand.

Tel : +662 3286878 (Auto)

Website : www.tech-quality.com

ID LINE : @techquality

No	Date	Type	Sample Name	MaxLoad	Strength	Elong @ Break	Hardness
10	10/11/2024	2-13-29-29	4539	13.703	20.636	400.950	5.193
11	10/11/2024	2-13-29-29	4539	10.285	14.477	408.480	4.908
12	10/11/2024	2-13-29-29	4539	12.288	14.788	410.240	4.901
13	10/11/2024	2-13-29-29	4539	13.136	17.638	411.040	5.181
14	10/11/2024	2-13-29-29	4539	12.288	14.788	410.240	4.901
15	10/11/2024	2-13-29-29	4539	10.285	14.477	410.240	4.908
16	10/11/2024	2-13-29-29	4539	13.039	17.538	411.040	5.181
17	10/11/2024	2-13-29-29	4539	12.288	14.788	410.240	4.901
18	10/11/2024	2-13-29-29	4539	10.285	14.477	410.240	4.908
19	10/11/2024	2-13-29-29	4539	13.039	17.538	411.040	5.181
20	10/11/2024	2-13-29-29	4539	10.285	14.477	410.240	4.908
21	10/11/2024	2-13-29-29	4539	13.039	17.538	411.040	5.181
22	10/11/2024	2-13-29-29	4539	10.285	14.477	410.240	4.908
23	10/11/2024	2-13-29-29	4539	13.039	17.538	411.040	5.181
24	10/11/2024	2-13-29-29	4539	10.285	14.477	410.240	4.908
25	10/11/2024	2-13-29-29	4539	13.039	17.538	411.040	5.181
26	10/11/2024	2-13-29-29	4539	10.285	14.477	410.240	4.908
27	10/11/2024	2-13-29-29	4539	13.039	17.538	411.040	5.181
28	10/11/2024	2-13-29-29	4539	10.285	14.477	410.240	4.908
29	10/11/2024	2-13-29-29	4539	13.039	17.538	411.040	5.181
30	10/11/2024	2-13-29-29	4539	10.285	14.477	410.240	4.908

Sample Information

Multi-stage testing with Bravo software

Sample

Shape: Circular

Sample Name: Crocodile

Unit: mm

Parameter(mm): Width: 0.0, Thickness: 0.0, ID: 0.0, OD: 0.0

Gauge Length: 50.000, Diameter: 10.000, Span length: 0.0

Area: 78.540 mm

Peel Set: StartPoint: 4.00, EndPoint: 25.00, Temperature: 25

Auto Selete Tab Number: []

Sampling points: 100

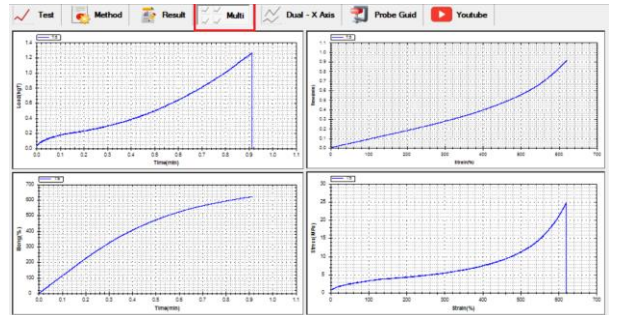
Program Toolbox 1.0.0.4

Directions: Compress, Speed:Unit: 99mm/min, Break Type: Load, Shift: <=, Target: 1.kgf

Step	Direct	Control	Break Type	Speed:mm/min	Target:Unit
1	Tensile	PreLoad		1000mm/min	1:N
2	Tensile	Load		50mm/min	15:N
3	Tensile	Stroke		300mm/min	29:mm
4	Tensile	Stress		20mm/min	10:kgf/mm2
5	Compress	Load		99mm/min	1:kgf

Multi Graph Display

Type View of Graph



Auto test setup & load protect

Test Method

TypeView: Time-Strain, Load-Time, Load-Stroke, Load-Elong, Elong-Time, Stress-Strain, Stress-Stroke, Time-Strain, Stroke-Time, Stress-Time

Auto Zero before Test: []

Auto Save after Test Complete: []

Auto Return to home after Test: []

Auto Return to Limit after Test: []

Setting: Return Speed: 900.0 mm/min, Load Protect: 80 % 16.00 kgf

Sensor: Stroke, Rub Extensometer, Extensometer

Statistic Reports

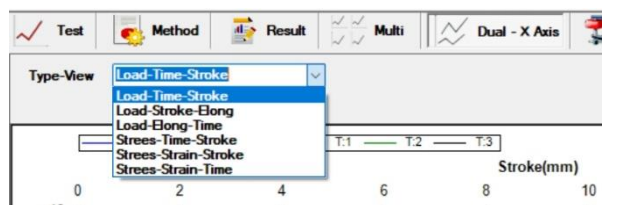
Dual-X Type View of Graph

Report Column

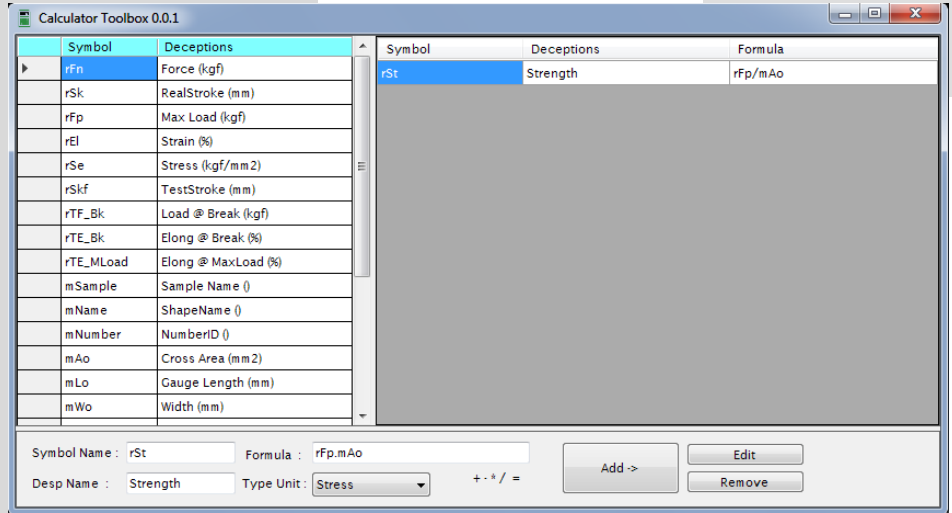
Template Name: Maximum, Company Name: Duality Co.,Ltd

Header	Value
Address	2/13 Sukapiban 2 Rd.,Pravet , Bangkok 10250 Thailand.
Tel	+662 3286878
Website	www.tech-quality.com
ID LINE	@techquality

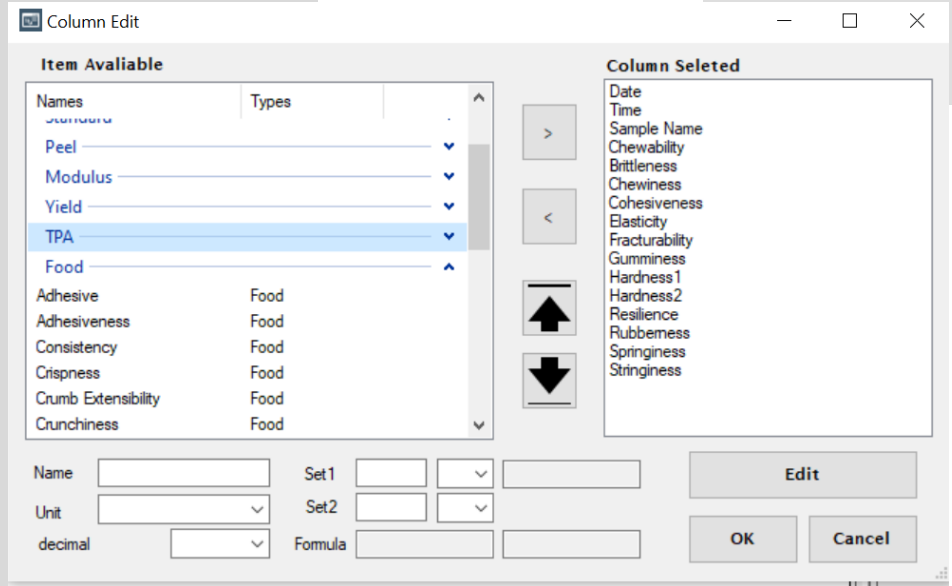
Min, Max, Mean, SD, CV, Min, Max, Mean, SD, CV



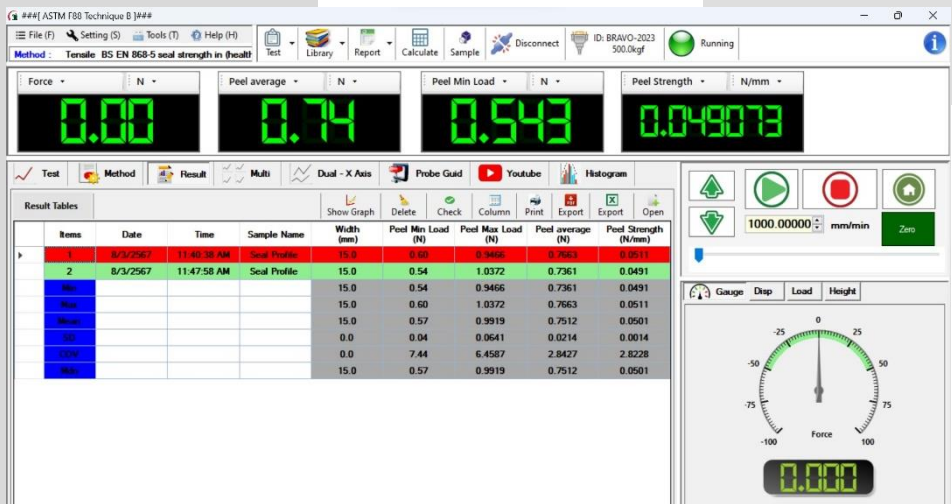
Formula Design By User



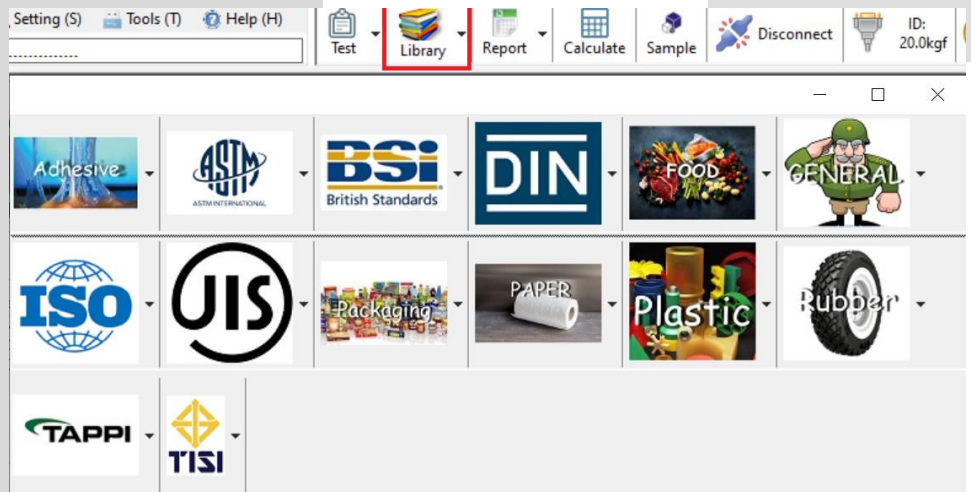
Selectable Result



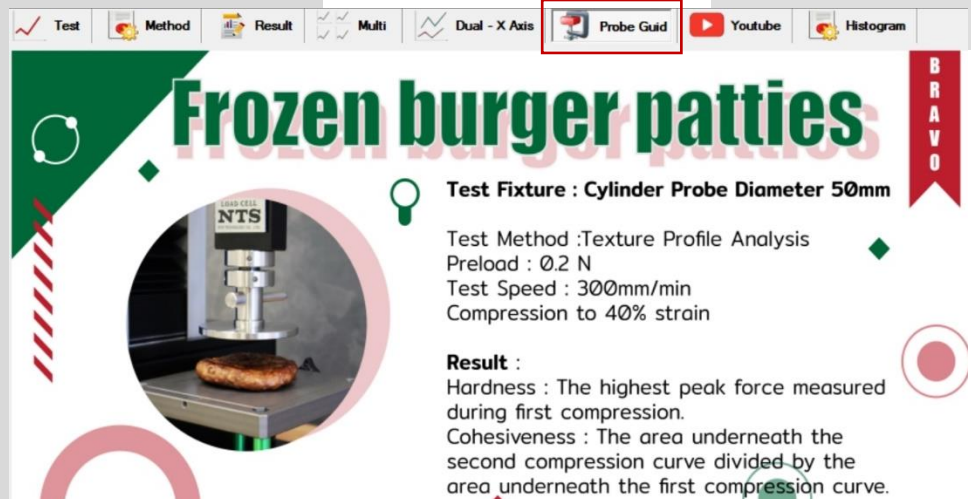
Color Coded for Immediate Pass/fail



Standard Library



Probe Guide



YouTube Guide

