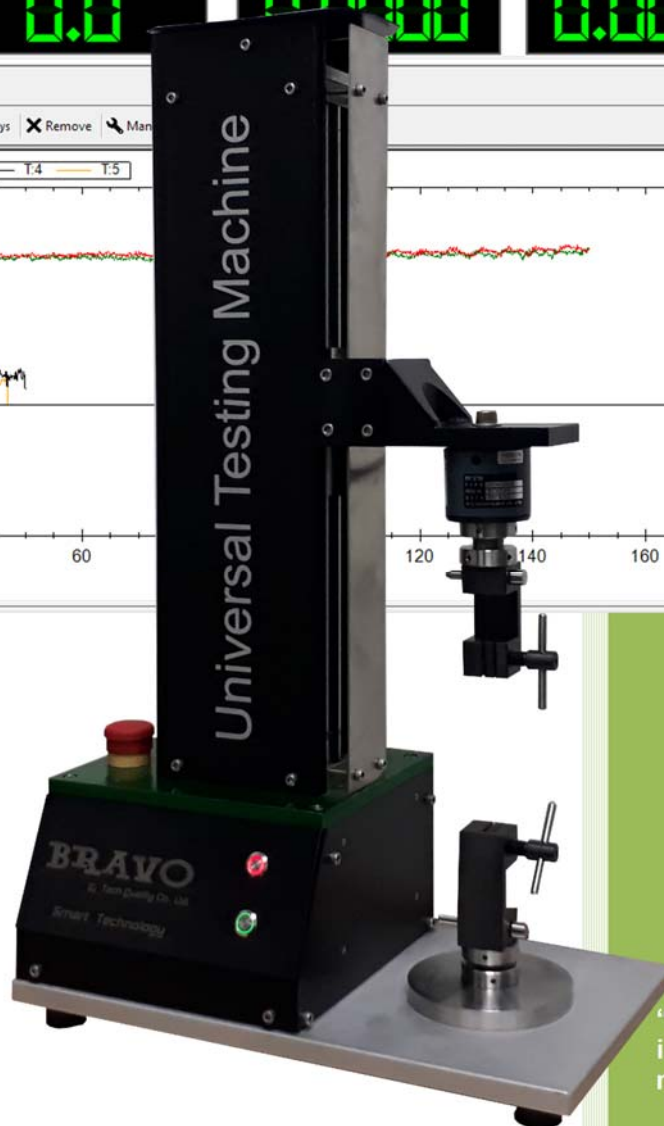
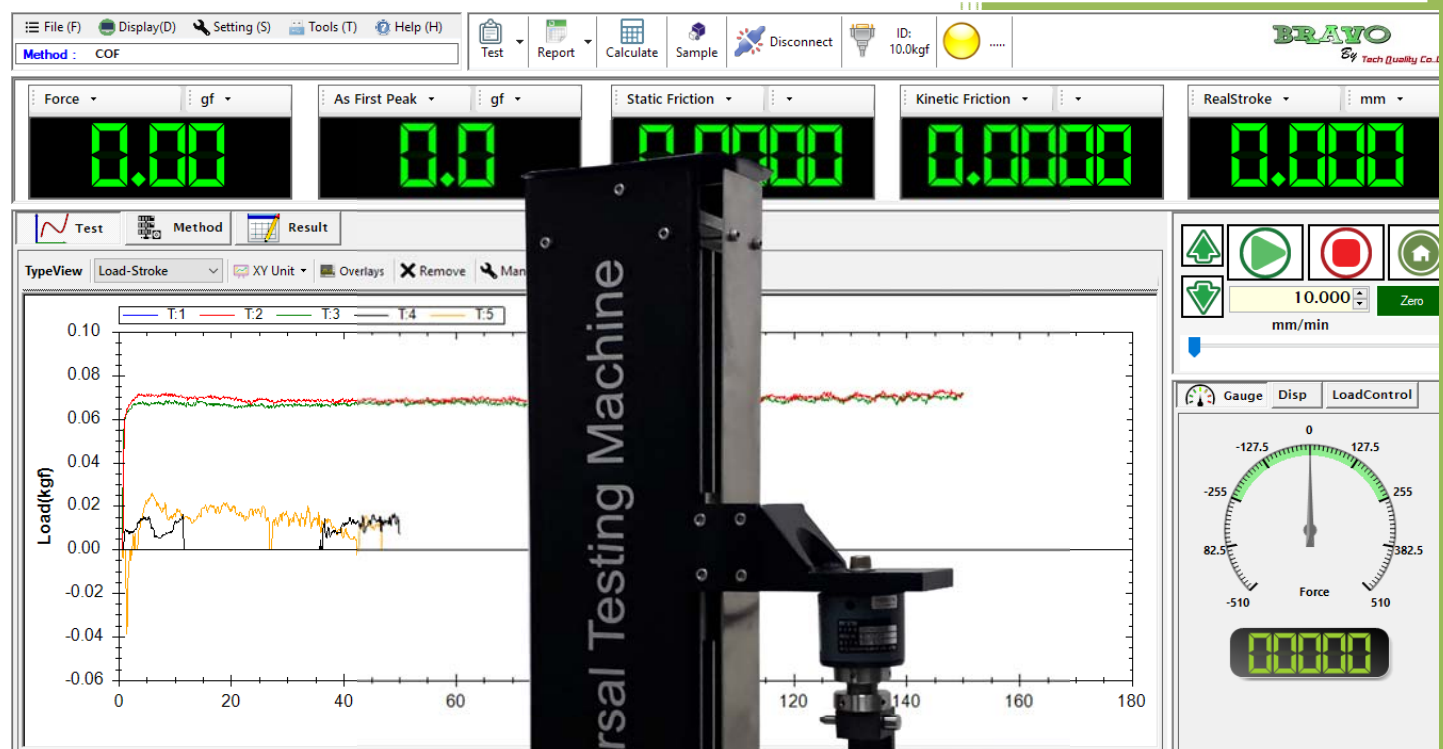


2018

Universal Testing Machine



“BRAVO”
is the leading manufacturer of static
material testing instruments in Thailand

Tech Quality Co.,Ltd.

2/4/2018



Specification

MTS Prime Machine Capacity : 1KN

Crosshead Speed Range: 25-850mm/min

Displacement Resolution : 0.005mm

Crosshead Travel: 420 mm

Load Cell Accuracy: +/- 0.3% FS

Speed Accuracy: 4%

Data Sampling Rate: 10KHz

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

Communication : USB (**Option Android App Control Display**)

Supply Voltage: 230Vac ±10% 50-60 Hz 30Amp

High Accuracy Ball Screw Type

Weight Approx 25kg

Power 220Vac/ 50Hz

Warranty 1 Year

Universal Testing Machine

The **Stealth MTS Prime Series** Table Top Universal Testing Machine are designed to test a wide spectrum of materials including low force & foil, plastics, rubber, textiles, paper, yarn, adhesives, ceramics, timber, foods, composites & finished components in tension, compression, flexural or shear . Maximum frame capacities are from 20N to 1KN

In compliance with various international standards, such as ASTM, BS EN, JIS, ISO, IEC, TISI

Features

1. "NTS" Load cell grade 0.05%
2. US Digital Encoder
3. 10 Point calibration adjustment
4. High Accuracy Ball Screw
5. Force Resolution 1/500,000 FS
6. Force measurement range 1% to 100%FS
7. High sampling rate 10KHz.
8. Multi graph display
 - * Load vs Time
 - * Load vs Stroke
 - * Elongation vs Time
 - * Load vs Elongation
 - * Stress vs Strain
 - * Stress vs Stroke
9. Results can be color coded for immediate pass/fail recognition.

Simple to use Test Setup

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

Multi-control mode

- Constant speed
- Constant Displacement
- Multi-step control

Applications

Plastic,Rubber,Textile,Synthetic,Wire,Cable, Food,Packaging,Autopart,AeroSpace,Woods,etc.

- Seal Strength
- Peel Test
- Bonding Test
- Tensile Strength, Yield Point
- Elongation ,Modulus
- Friction Test
- Spring Test
- Puncture Test
- Shear Test
- Tear Test
- Bending Test
- Food Texture Test
- Top Load Test

Sample Information

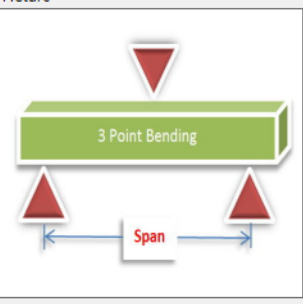
Sample

Shape
 3 Point Bending
 Rectangular
 Annular
 Circular
 3 Point Bending

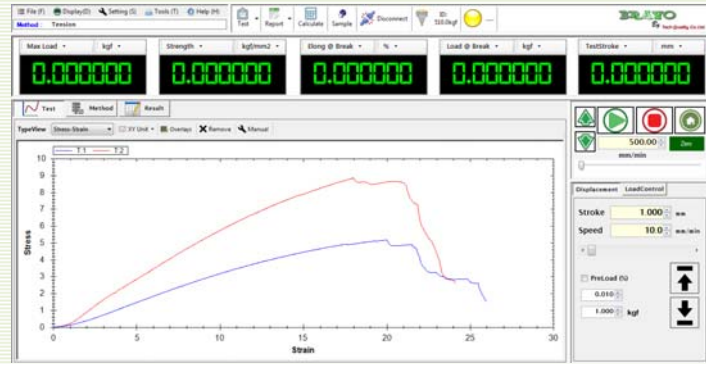
Number
 1 OK Cancel

Parameter(mm)
 Width: 10.000 Thickness: 10.000 ID: 0.0 OD: 0.0
 Gauge Length: 50.000 Diameter: 0.0 Span length: 50.000


Auto Select Tab Number

Picture


Software & Report



Excel, PDF User design Reports

 Tech Quality Co.,Ltd.

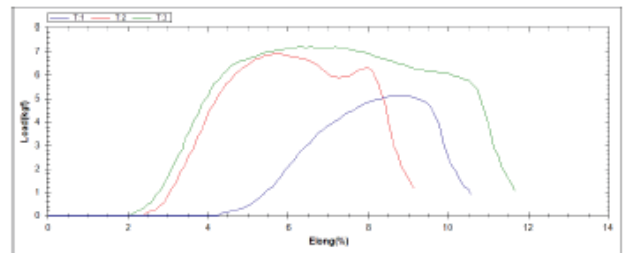
Test By: Mr. Nukool Boonklam

Test Standard: ASTM D882 Thin Plastic Sheet

Temperature: 25C

Humidity: 55%

No	Date	Gauge Length (mm)	Thickness (mm)	Width (mm)	Max Load (kgf)	Strength (MPa)	Elong @ Break (%)
T1	28/5/2016	50.0000	10.0000	10.0000	5.1971	0.5206	80.5990
T2	28/5/2016	50.0000	10.0000	10.0000	6.1985	0.6178	13.3092
T3	28/5/2016	50.0000	10.0000	10.0000	5.0239	0.4928	190.4581
T4	28/5/2016	50.0000	10.0000	10.0000	5.0285	0.4931	191.2256
T5	28/5/2016	50.0000	10.0000	10.0000	6.0144	0.5888	118.4042
T6	28/5/2016	50.0000	10.0000	10.0000	6.0216	0.5905	93.9473
T7	28/5/2016	50.0000	10.0000	10.0000	5.0220	0.4925	80.2069
T8	28/5/2016	50.0000	10.0000	10.0000	4.0101	0.3933	85.4156
T9	28/5/2016	50.0000	10.0000	10.0000	6.0088	0.5920	98.4304
T10	28/5/2016	50.0000	10.0000	10.0000	5.1286	0.5200	10.5780
T11	28/5/2016	50.0000	10.0000	10.0000	6.9259	0.6782	9.1414
T12	28/5/2016	50.0000	10.0000	10.0000	7.2116	0.7172	11.6477
Min		50	10	10	4.0101	0.3933	85.4156
Max		50	10	10	7.2116	0.7172	118.5042
Mean		50	10	10	5.9429	0.5526	84.9018
SD		0	0	0	0.9152	0.0887	41.8827
COV		0	0	0	18.2148	18.2145	84.182



Print Export Export

Auto test setup & load protect

Auto Zero before Test Return Speed: 100.0 mm/min

Auto Save after Test Complete Load Protect: 90 %

Auto Return to home after Test 18.00 kgf

Statistic Reports

Template

HOME

New Save SaveAs Report Column Statics Images HeaderAdd Remove

Template Name: _____

Header Value

Min
Max
Mean
SD
COV

Multi-stage testing with BRAVO software

Program Toolbox 1.0.0.4

New Open Save Delete Add Update Verify Remove Templates:

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	1000:mm/min	1:N
2	Tensile	Load	50:mm/min	15:N
3	Tensile	Stroke	300:mm/min	29:mm
4	Tensile	Stress	20:mm/min	10:kgf/mm2
5	Compress	Load	99:mm/min	1:kgf

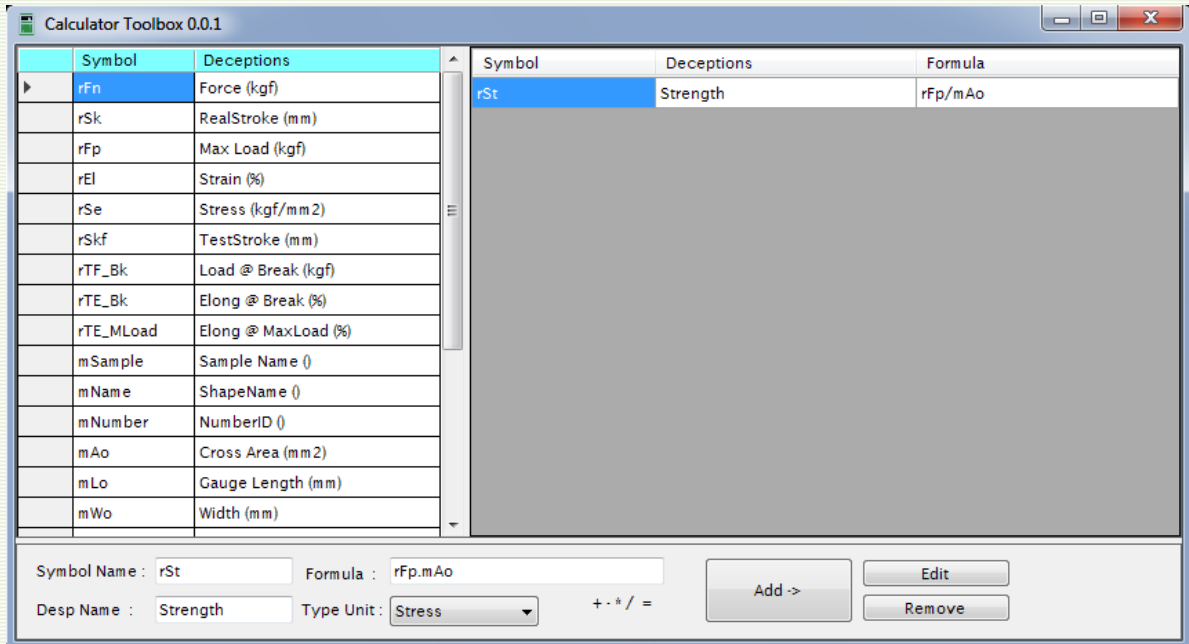
Multi Display & Decimal Point

Displays Toolbox

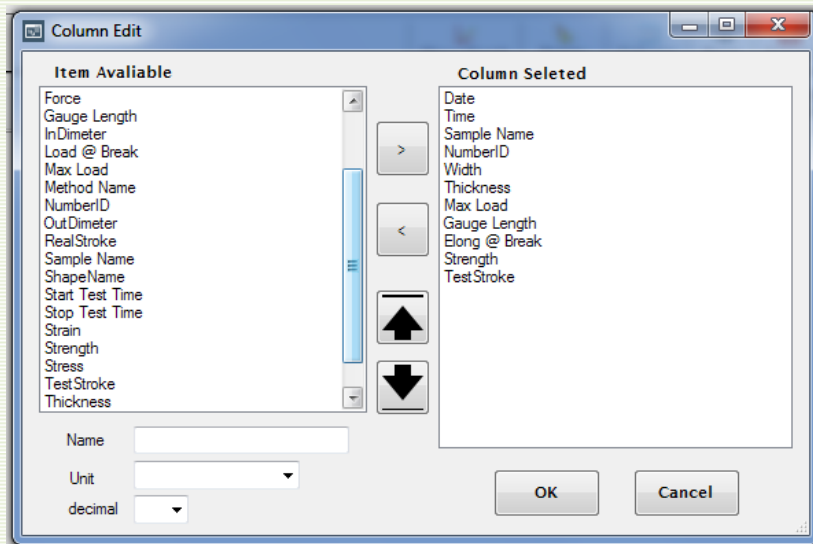
Display	Variable	Unit	Decimal
Display 1	Force	kgf	3
Display 2	Max Load	kgf	3
Display 3	RealStroke	mm	3
Display 4	Force	kgf	3
Display 5	RealStroke	mm	6

Force
RealStroke
Max Load
Strain
Stress
TestStroke
Load @ Break
Elong @ Break
Elong @ MaxLoad
Strength

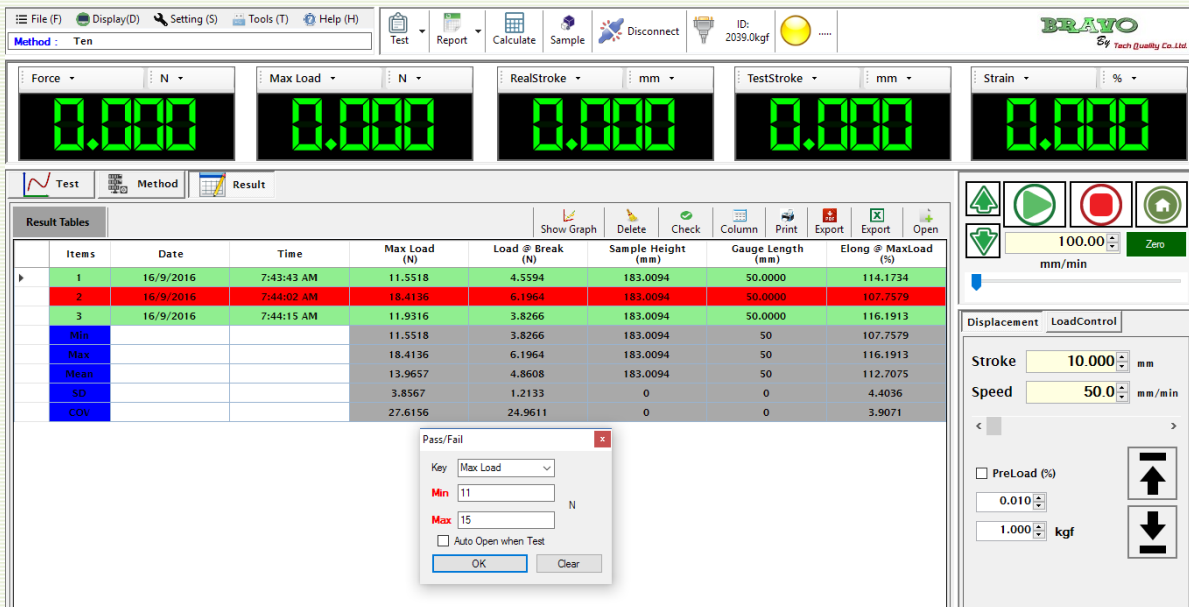
Formula Design by user



Selectable Result



Results can be color coded for immediate pass/fail recognition.



Ordering Information

Tech Quality Co.,Ltd.
2/13 Sukapiban 2 Rd., Pravet , Pravet,
Bangkok 10250 Thailand
Tel : +662 328 6878 (Auto)
Fax : +662 328 6818
www.tech-quality.com
email: info@tech-quality.com
