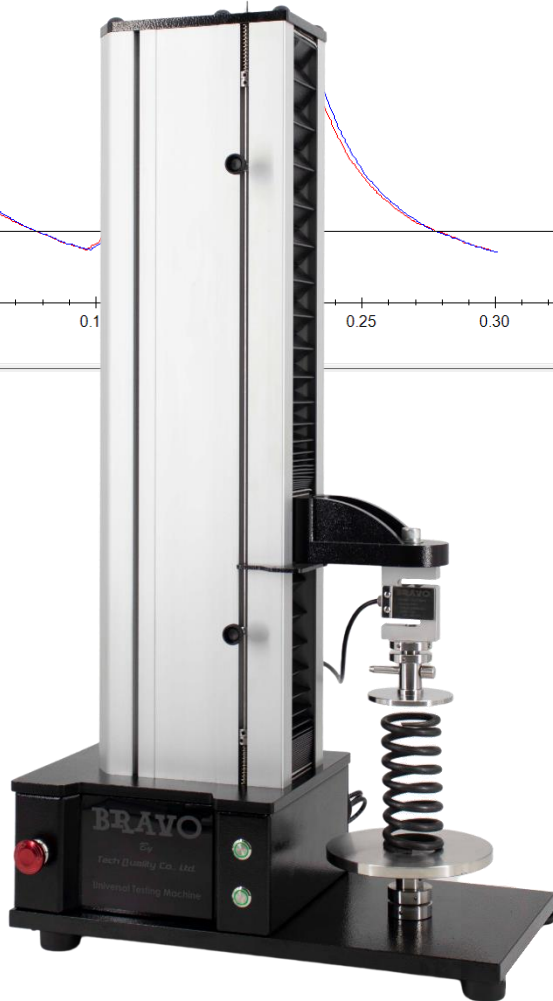
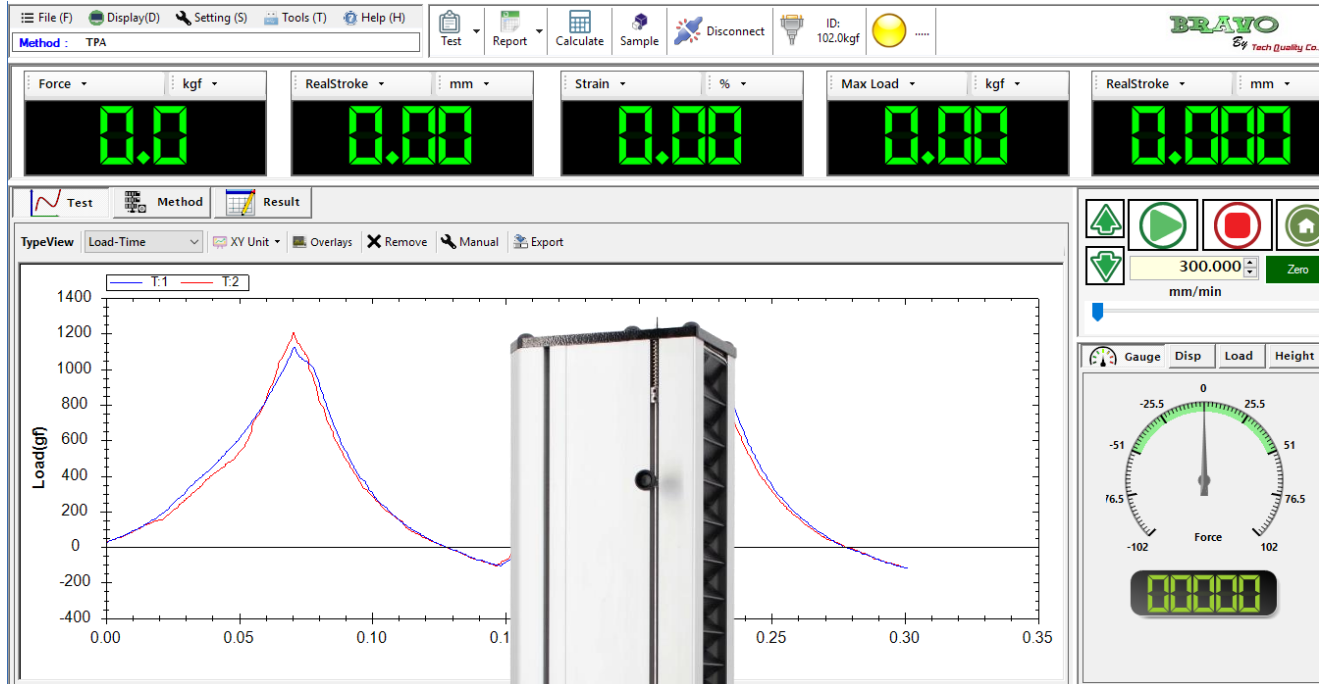




Tech-Quality Co.,Ltd



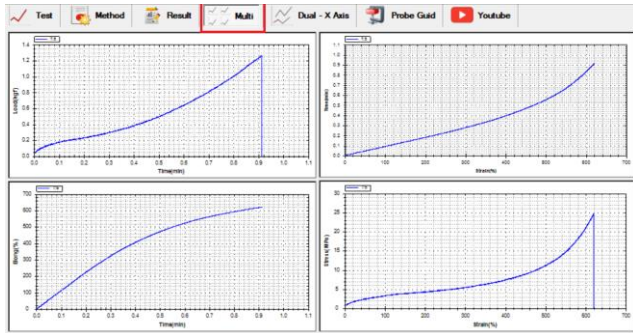
Made In Thailand



BRAVO By
Tech-Quality Co.,Ltd

MTS Prime Universal Testing Machine

The Stealth MTS Prime Series desktop Universal Testing Machine are designed to test a wide spectrum of materials including wire & 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 1,000N. In compliance with various international standards, such as ASTM, BS EN, JIS, ISO, IEC, TISI.



Specifications

- MTS Prime Machine Capacity : 1KN
- Crosshead Speed Range : 25-800mm/min
- Displacement Resolution : 0.005mm
- Crosshead Travel : 550 mm
- Load Cell Accuracy : +/- 0.5% FS
- Speed Accuracy : 2%
- Data Transfer Rate to PC : 1 kHz..
- Operating Temperature : 5° to 35°C (41° to 95°F)
- Communication port : USB
- Supply Voltage : 230Vac ±10% 50-60 Hz
3Amp
- High Accuracy Ball Screw Type
- Weight Approx : 30kg
- Power : 220Vac/ 50Hz
- Warranty 1 Year : 1 Year

Features

1. LOW COST
2. "BRAVO" Load cell
3. US Digital Encoder
4. Modern extruded profile High-quality load-frame design
5. 10 Point calibration adjustment
6. High Accuracy Ball Screw
7. Force Resolution 1/500,000 FS
8. Force measurement range 2% to 100%FS
9. Data Transfer Rate to PC 1 kHz...
10. BlackHole Data analysis and control Software
11. Multi graph display
12. Dual – X Axis Graph
13. Function Probe Guide
14. YouTube Guide
15. Video Training on BlackHole Software
16. Standard Library Test Set up

Simple to use Test Setup

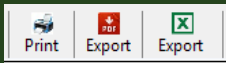
Limit Testing Break Testing Loop Testing Preload
Setup Elongation Auto Return, Over Load
Protection, Auto Save after test

Multi-control mode

- Constant speed
- Constant Displacement
- Multi-step control

Applications

- Bulk Analysis
- Tension / Compression
- Extrusion / Back Extrusion
- Puncture & Penetration
- Shear
- Bend & Break
- Peel & Seal

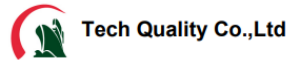


Excel , PDF
User design reports

Multi Display & Decimal Point

Displays ToolBox

	Variable	Unit	Decimal
Display 1	Force	N	2
Display 2	Max Load	N	3
Display 3	Stress @ Elong	MPa	3
Display 4	Elong @ Break	%	3
Display 5	Strength	MPa	3



Tech Quality Co.,Ltd

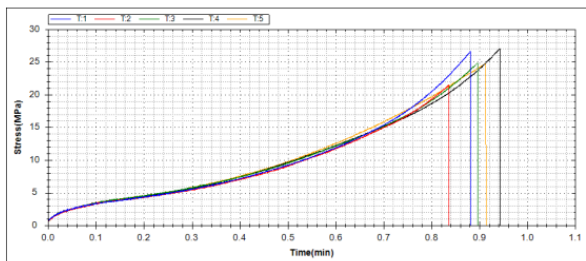
Address : 2/13 Sukapiban 2 Rd.,Pravet , Bangkok 10250 Thailand.

Tel : +662 3286878 (Auto)

Website : www.tech-quality.com

ID LINE : @techquality

No	Date	Time	Sample Name	Max Load (N)	Strength (MPa)	Elong @ Break (%)	Stress @ 300% (MPa)
T1	15/11/2564	2:12:39 PM	AT4/2	13.3078	26.8156	636.8045	5.1382
T2	15/11/2564	2:17:27 PM	AT4/2	10.7363	21.4727	648.4660	4.9046
T3	15/11/2564	2:25:10 PM	AT4/2	12.3998	24.7996	616.2240	5.4528
T4	15/11/2564	2:28:01 PM	AT4/2	13.5199	27.0398	651.0140	5.1001
T5	15/11/2564	2:31:34 PM	AT4/2	12.3998	24.7996	620.5360	5.4051
Min				10.7363	21.4727	616.2240	4.9046
Max				13.5199	27.0398	651.0140	5.4528
Mean				12.4727	24.1455	634.6086	5.2022
SD				1.0977	2.1953	15.8273	0.2275
COV				8.8008	8.8006	2.4940	4.3750



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

Sample Information

Sample

Shape Peel

Sample Name Seal Strength Number TQ-1

Unit mm OK Cancel

Parameter(mm)

Width 1.000 Thickness 1.000 ID 0.0 OD 0.0

Gauge Length 1.000 Diameter 0.0 Span length 50.000

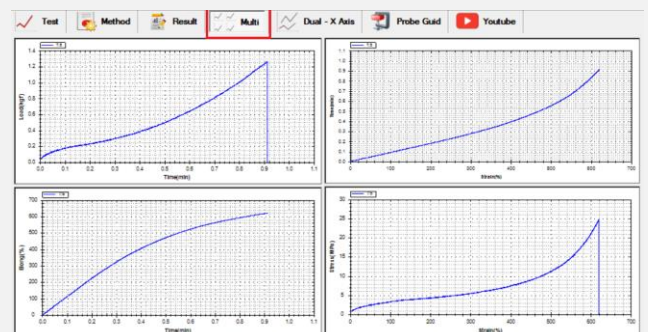
Peel Set

StartPoint 4.00 EndPoint 25.00

Area : 1.000 mm

☒ Auto Selete Tab Number : Sampling points 1000

Multi Graph Display



Statistic Reports

Template Name Maximum Company Name

Header

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

Tel : +662 3286878 (Auto)

Website : www.tech-quality.com

ID LINE : @techquality

Picture

Auto test setup & load protect

☒ Auto Zero before Test

☒ Auto Save after Test Complete

☒ Auto Return to home after Test

☐ Auto Return to Limit after Test

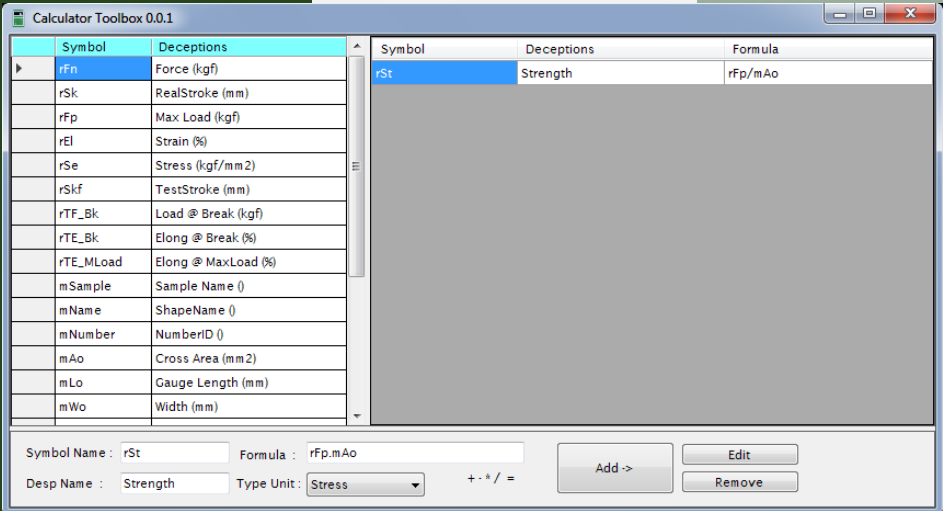
Setting

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

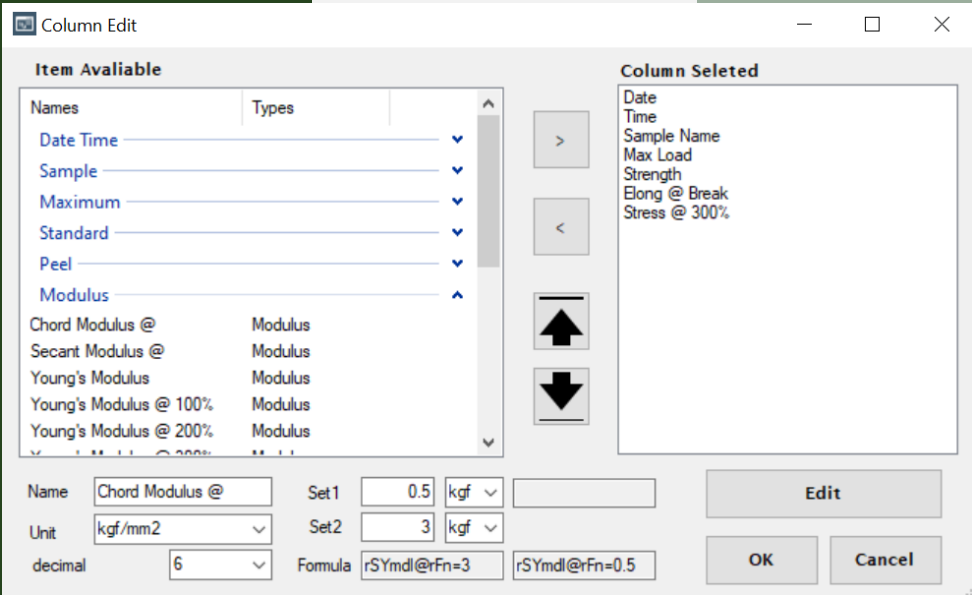
Sensor

☐ Stroke ☐ Rub Extensometer ☐ Extensometer

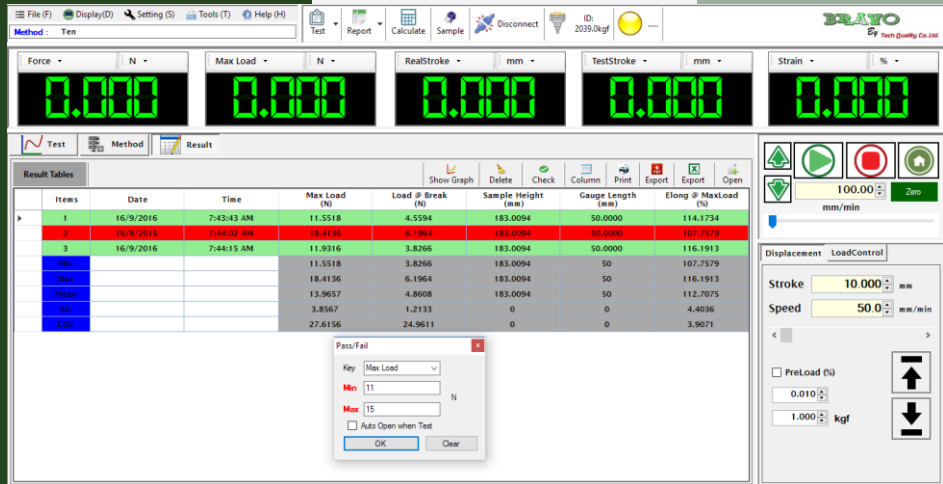
Formula Design By User



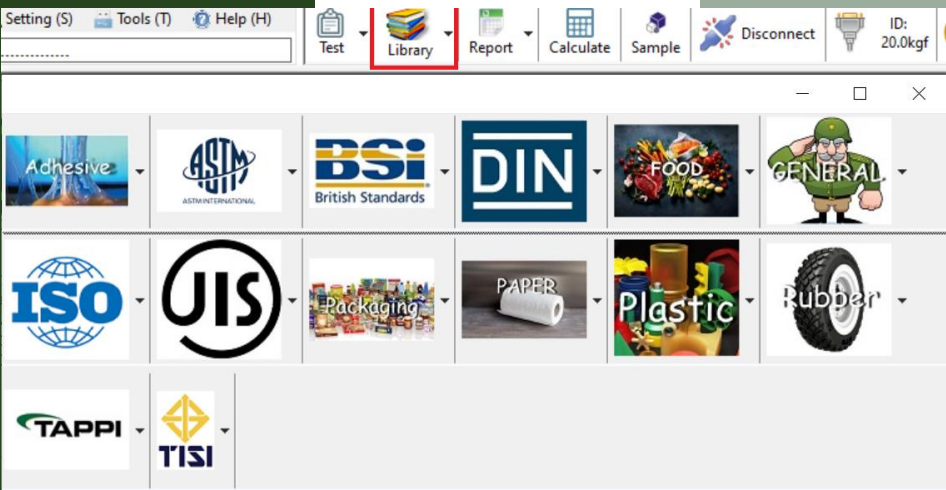
Selectable Result



Color Coded for Immediate Pass/fail



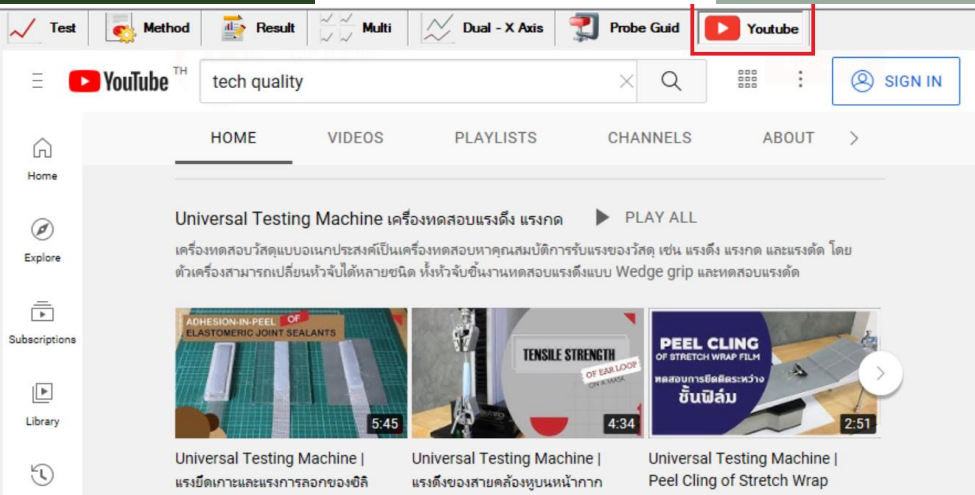
Standard Library



Probe Guide



YouTube Guide





BRAYO

By *Tech Quality Co.,Ltd.*



Ordering Information



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