![Tech-Quality Co.,Ltd logo] **Tech-Quality Co.,Ltd**

🇹🇭 **Made In Thailand**

MT Pro Series
Universal Testing Machine

BRAVO By
Tech-Quality Co.,Ltd

The Stealth MT Pro Series desktop Universal Testing Machine are designed to test a wide spectrum of materials including metal 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 100KN In compliance with various international standards, such as ASTM, BS EN, JIS, ISO, IEC, TISI

BRAVO
By Tech Quality Co.,Ltd.

Features
1. Panasonic servo motor drive set
2. USA Brand Load cell grade 0.5%
3. 10 Point calibration adjustment
4. High Accuracy Ball Screw
5. Load Resolution 1/500000
6. Force measurement range 0.1% to 100%FS
7. Data Transfer Rate to PC 1 kHz..
8. Automatically sample Height measurement
9. Modern extruded profile High-quality load-frame design
10. Load Measuring System EN ISO 7500:2015 Class 0.5
11. Wireless Communication
12. Dual-X Asis Graph and multi Graph Display
13. 32-bit A/D converter/ EEPROM Plug
14. Standard Library Test Method

Simple to use Test Setup
Limit Testing Break Testing Loop Testing Preload Setup Elongation Auto Return, Over Load Protection

Muli-control mode
- Constant speed
- Position
- Load Rate
- Constant Stress & Strain
- Multi-step control

Test Types
Tensile Testing
Compression Testing
Flexural Testing / Friction
Tearing / Peeling
Insertion / Extraction
Creep/Relaxation

Applications
Metal,Plastic,Rubber,Textile,Synthetic,Wire,Cable, Food,Packaging,Autopart,Spring, AeroSpace, Woods, Composit etc.

Specifications : Bench-top frame to apply loads - from 5 KN to 100 KN capacity

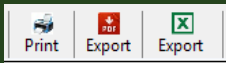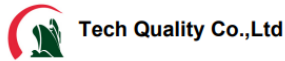| Model : Stealth	MT100 Pro
Capacity (KN)	100
Load Accuracy (%) FS	0.5
Min. Load Resolution	$1/10^9$
Crosshead Speed (mm/min)	0.001 - 500
Speed Accuracy (%) FS	0.1
Extension Resolution (μm per encoder count)	0.0003
Crosshead Travel (mm)	1,050
Crosshead Travel Extended (mm)	Call
Width Between Columns (mm) can be offered upon request	550
Weight Approx (kg)	380
Load Measuring System : EN ISO 7500-1:2015, Class 0.5 ASTM E4	
Plug 'n' Play, automatic identification of BRAVO series load cells	
The Windows® 10 (64 Bit) compatible Black Hole Software	
Power 220Vac/ 50Hz	
Operating Temperature 5° to 35°C (41° to 95°F)	
Warranty 1 Year	

Tech Quality Co.,Ltd

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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	26.6156	636.8040	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	24.9455	634.6088	5.2002
SD				1.0977	2.1953	15.8273	0.2275
COV				8.8008	8.8006	2.4940	4.3750
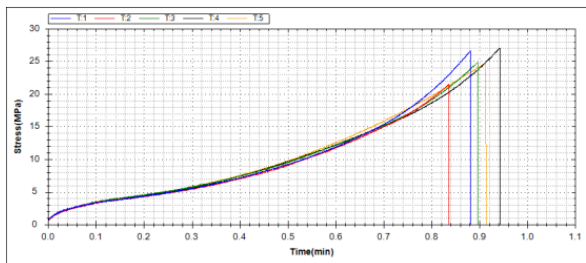
Sample Information

Shape: 3 Point Bending
Sample Name: AT4/2 **Number**: M
Unit: mm

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

Peel Set
StartPoint 4.00 EndPoint 25.00 Temperature 25

Area : 100.000 mm
Auto Selete Tab Number :
Sampling points 100

Statistic Reports

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

Statics: Min / Max / Mean / SD / COV / Mdn

Header	
Address :	2/13 S... , Bangkok 10250 Thailand.
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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

Multi-stage testing with Bravo software

Program Toolbox 1.0.0.4

New / Open / Save / Delete / Add / Update / Vertify / Remove / Templates :

Directions: Compress **Speed:Unit**: 99 mm/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 Graph Display

Auto test setup & load protect
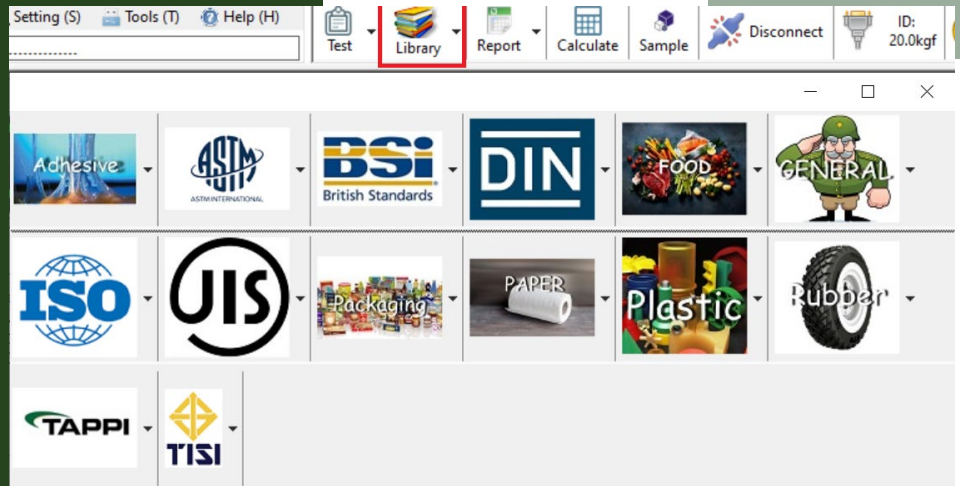
☑ Auto Zero before Test
☑ Auto Save after Test Complete
☑ Auto Return to home after Test
☐ Auto Return to Limit after Test

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

Sensor: ○ Stroke ○ Rub Extensometer ○ Extensometer
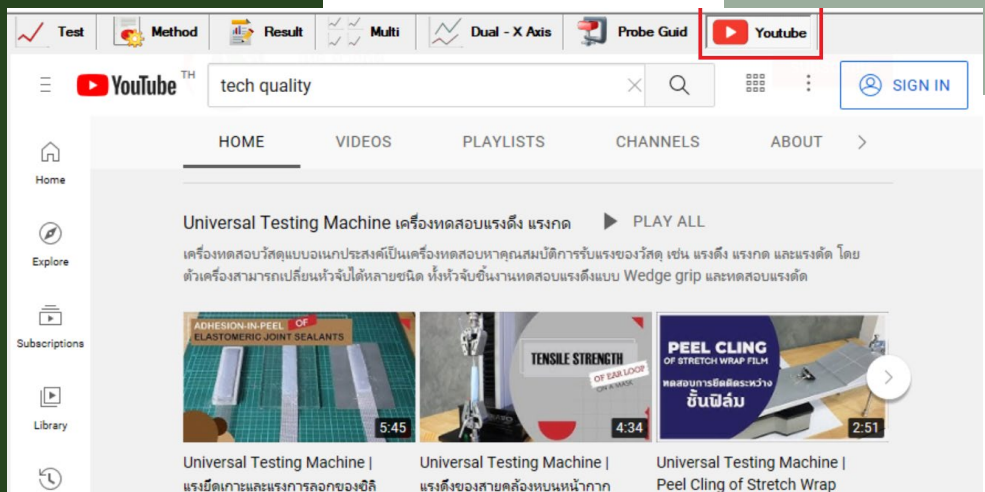
Standard Library

Probe Guide

YouTube Guide

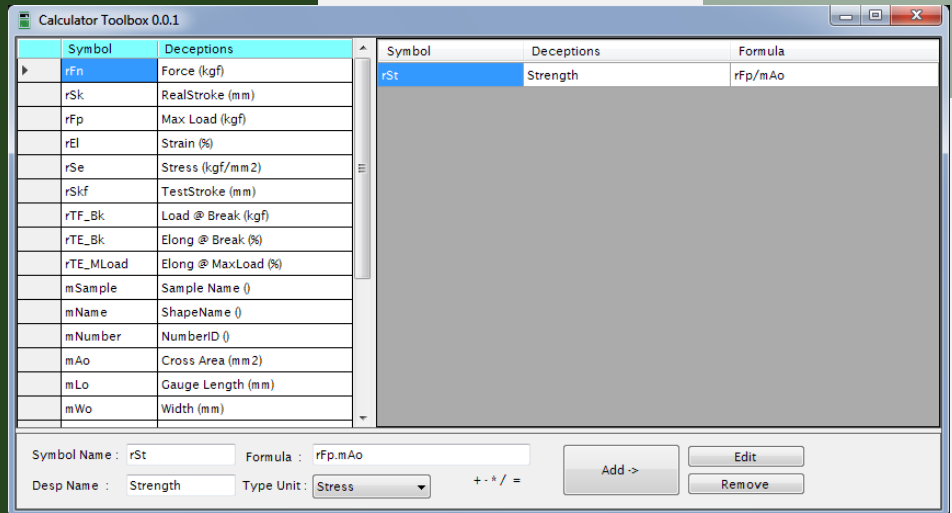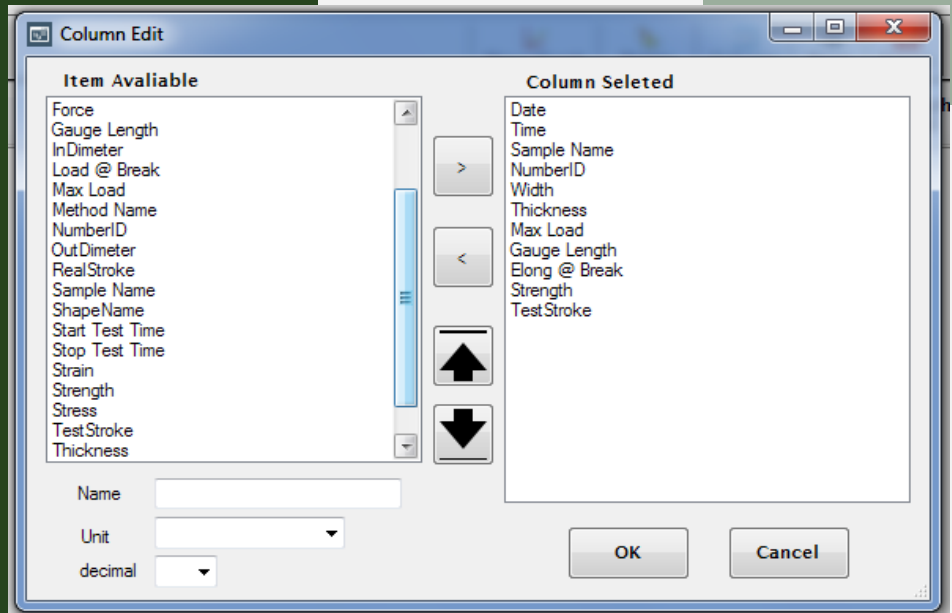# Formula Design By User

Selectable Result

Results can Be color Coded for Immediate Pass/fail recognition