

UTM

UNIVERSAL TESTING MACHINE



MADE IN THAILAND

MSX PRO Series

The Stealth MSX 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 1KN In compliance with various international standards, such as ASTM, BS EN, JIS, ISO, IEC, TISI



Ordering Information



Tech-Quality Co.,Ltd.



Call : +662-3286878



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



+662-3286818



www.tech-quality.com



info@tech-quality.com

@techquality



Simple to use Test Setup

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

Test Types

Tensile Testing
Compression Testing
Flexural Testing / Friction
Tearing / Peeling / Shear
Insertion / Extraction
Creep / Relaxation / Cycle

Multi-control mode

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

Features

1. Panasonic servo motor drive set
2. UK or JAPAN Brand Load cell grade 0.05%
3. 10 Point calibration adjustment
4. High Accuracy Ball Screw
5. Load Resolution 1/10
6. Force measurement range 0.1% to 100%FS
7. Data Transfer Rate to PC 1 kHz..
8. Grip to Grip Separation
9. Modern extruded profile High-quality load-frame design
10. Load Measuring System EN ISO 7500:2015 Class 0.5
11. USB Communication
12. 32-bit A/D converter/ EEPROM Plug
13. Library Test Standard and Training Video

Applications

Plastic, Rubber, Textile, Synthetic, Wire, Cable,
Food, Packaging, Auto part, Aero Space, Woods,
Composit etc.



Specifications

Bench-top frame to apply loads - from 20N to 1KN capacity

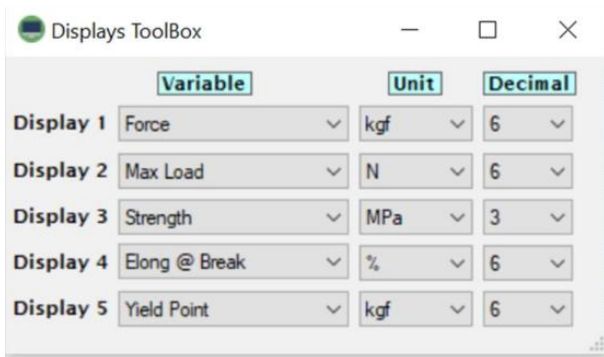
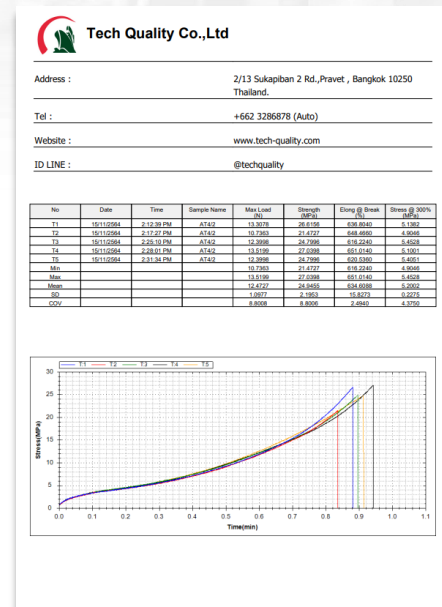
Model : Stealth	MSX Pro	MSX/E Pro
Capacity (KN)	1	1
Load Accuracy (%) FS	0.1	0.1
Min. Load Resolution	1/10 ⁹	1/10 ⁹
Crosshead Speed (mm/min)	0.0001 – 3,000	0.0001 – 3,000
Maximum Return Speed (mm/min)	3,000	3,000
Speed Accuracy (%) FS	0.1	0.1
Extension Resolution (mm)	0.000005	0.000005
Crosshead Travel (mm)	450	650
Throat Depth (mm)	90	90
Approximate weight (kg)	28	28
Plug 'n' Play, automatic identification of BRAVO series load cells		
The Windows® 11 (64 Bit) compatible Black Hole Software		

Blackhole software

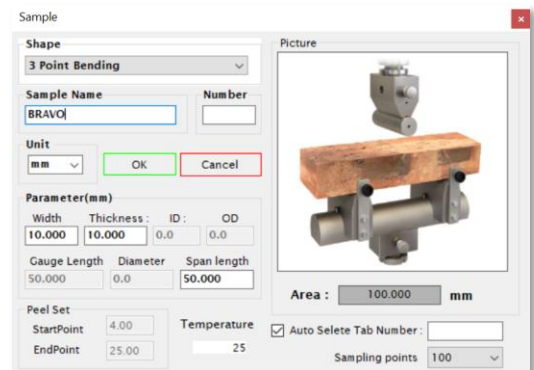
Multi Graph Displays



Excel CSV, Excel, PDF
User design reports



Multi Display - Unit & Decimal Point

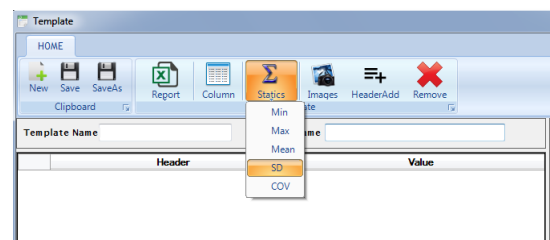


Sample Information

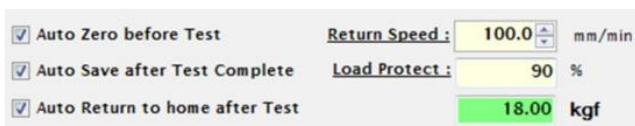
The 'Program Toolbox 1.0.0.4' window shows test directions and a table of test steps.

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-stage testing with
Black Hole software



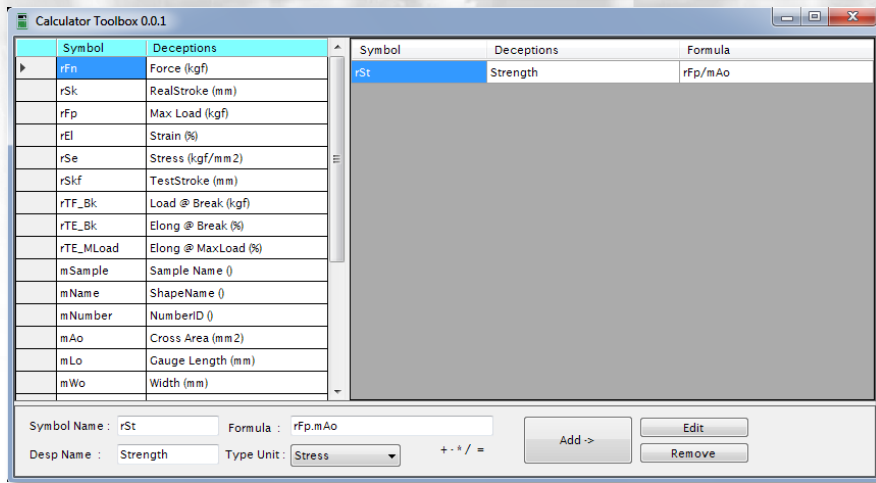
Statistic Reports



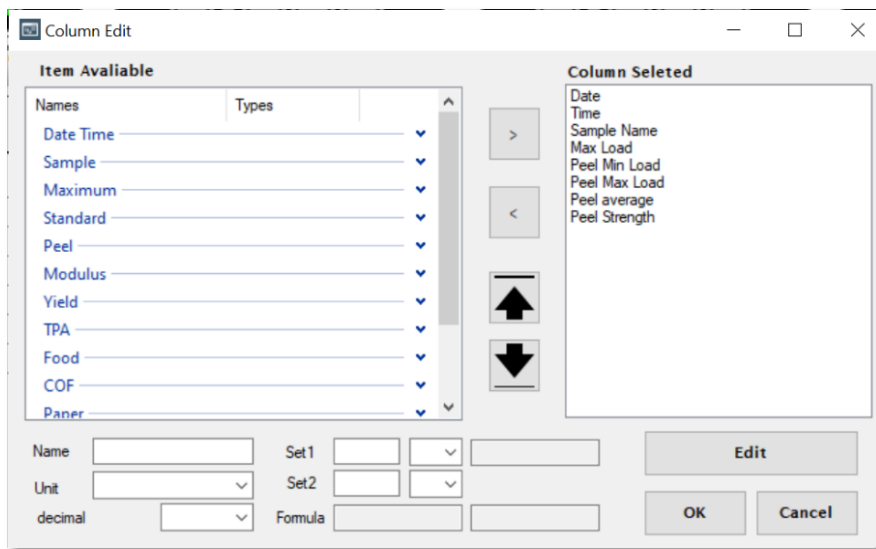
Auto test setup & load protect



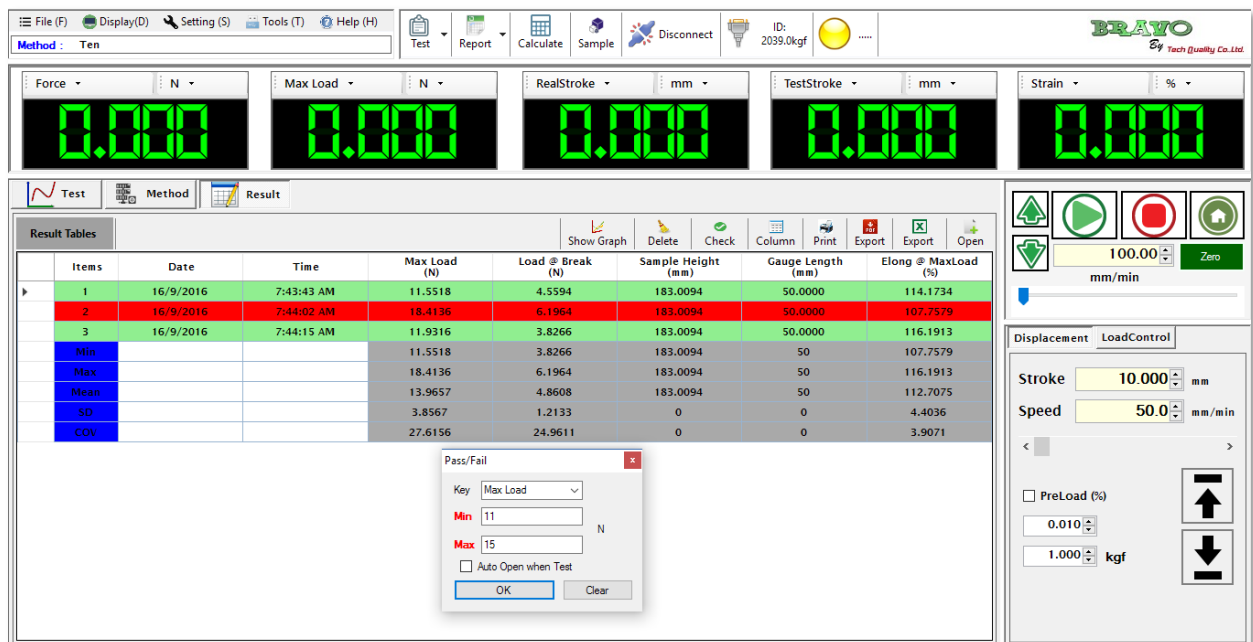
Application Probe Guide /YouTube



“Formula design by user”

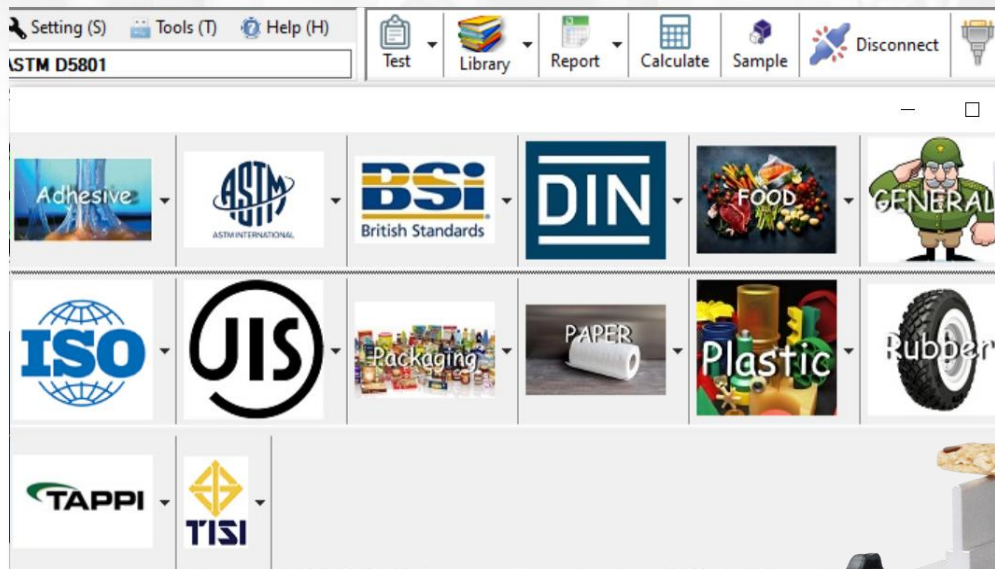


“Selectable result”



“Results can be color-coded for immediate pass/fail recognition”

Library



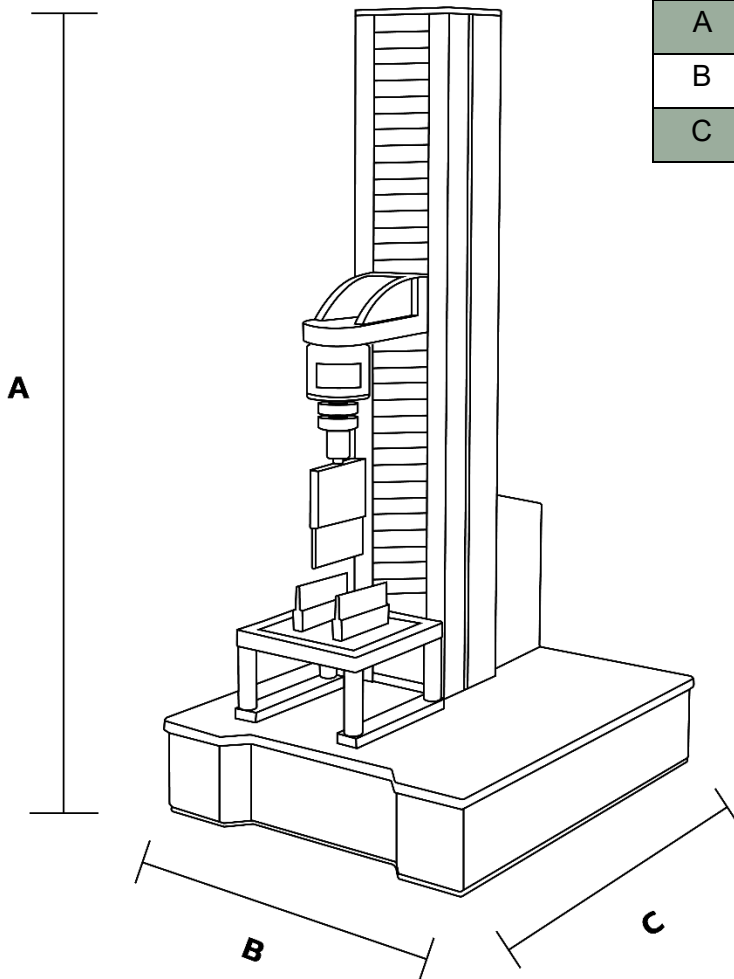
Library Test Standard



Easy use for new user
Video Training include



Dimension



Dimension		mm
A	Machine Height	830
B	Machine Width	360
C	Machine Depth	445



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