BRAVO
A Brand You Can Trust

Tech Quality Co.,Ltd.
บริษัท เทค ควอลิตี้ จำกัด

UTM

UNIVERSAL TESTING MACHINE

MADE IN THAILAND

MT Pro Series

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 50KN In compliance with various international standards, such as ASTM, BS EN, JIS, ISO, IEC, TISI, DIN

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

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 1/500000
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. Dual-X Asis Graph and multi Graph Display
12. 32-bit A/D converter/ EEPROM Plug
13. Standard Library Test Method
14.Calibration LAB ISO:17025

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
- USB Interface

Test Types

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

Applications

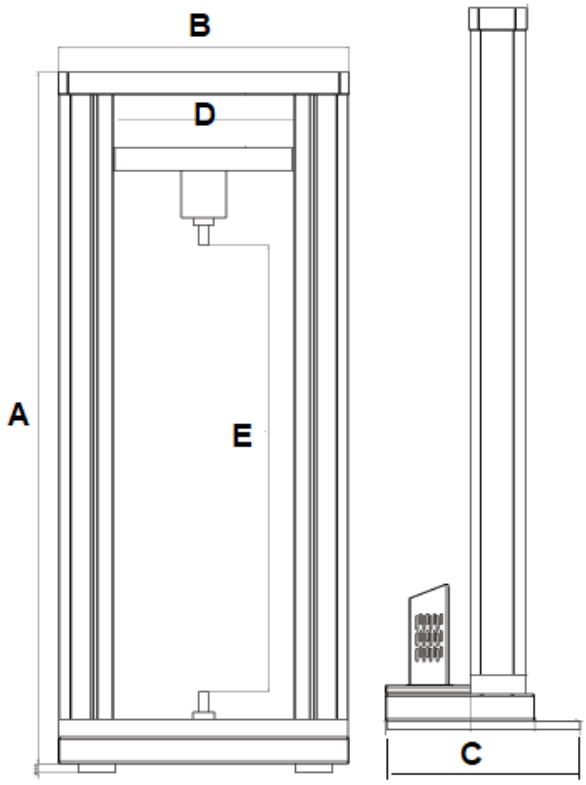
Metal, Plastic, Rubber, Textile, Synthetic, Wire, Cable, Food, Packaging, Auto part, Spring, Aero Space, Woods, Composit, Aluminium etc.

Specifications

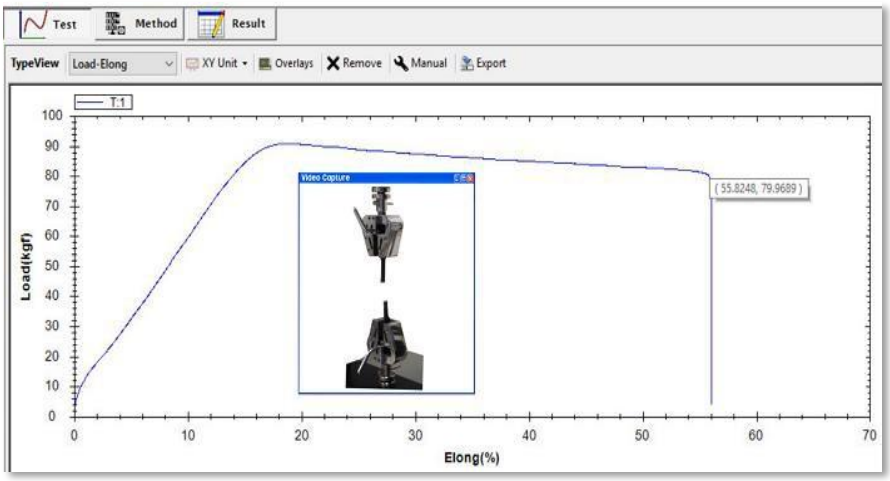
Bench-top frame to apply loads - from 5 KN to 50 KN

Model : Stealth	MT5 Pro	MT10 Pro	MT20 Pro	MT30 Pro	MT50 Pro
Capacity (KN)	5	10	20	30	50
Load Accuracy (%) FS	0.1	0.1	0.1	0.1	0.1
Min. Load Resolution	$1/10^9$	$1/10^9$	$1/10^9$	$1/10^9$	$1/10^9$
Crosshead Speed (mm/min)	0.0001 - 750	0.0001 - 750	0.0001 - 750	0.0001 - 500	0.0001 - 500
Speed Accuracy (%) FS	0.1	0.1	0.1	0.1	0.1
Extension Resolution (µm per encoder count)	0.0003	0.0003	0.0003	0.0003	0.0003
Crosshead Travel (mm)	1,080	1,080	1,080	1,080	1,080
Crosshead Travel Extended (mm)	1,308	1,308	1,308	1,308	1,308
Width Between Columns (mm) can be offered upon request	460	460	460	460	460
Weight Approx (kg)	130	130	130	160	170
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					

Dimension



Dimension		mm
A	Machine Height	1550
B	Machine Width	698
C	Machine Depth	424
D	Between Columns	460
E	Crosshead Travel	1080

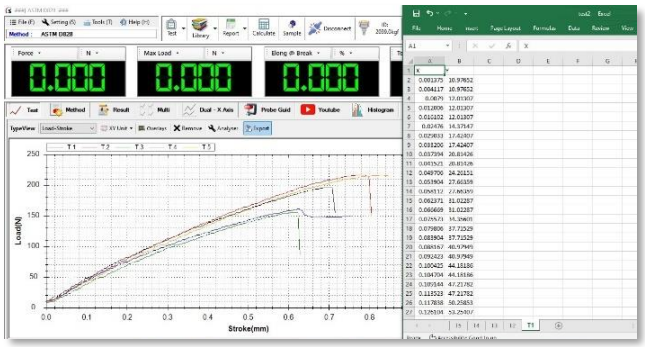


Video and still capture

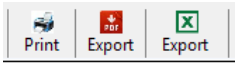
Video Capture and Synchronization System enables UTM users to view 20 fps video recordings frame by frame. It's a fantastic tool for teaching physical material test for those new to the field, or to help yougain a frame-by-frame understanding of your product strength

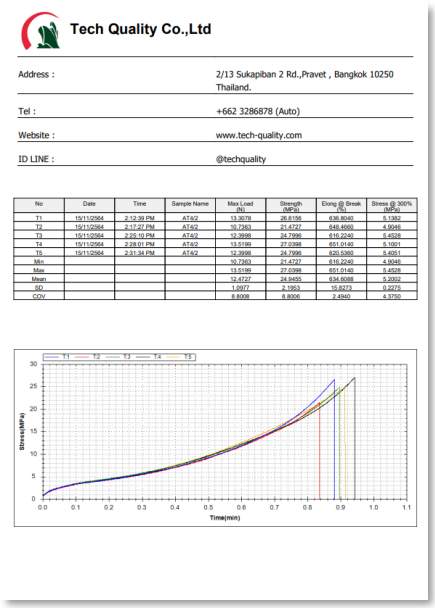
Blackhole software

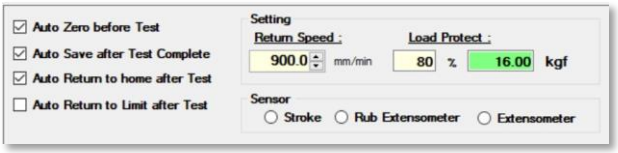
Multi Graph Display



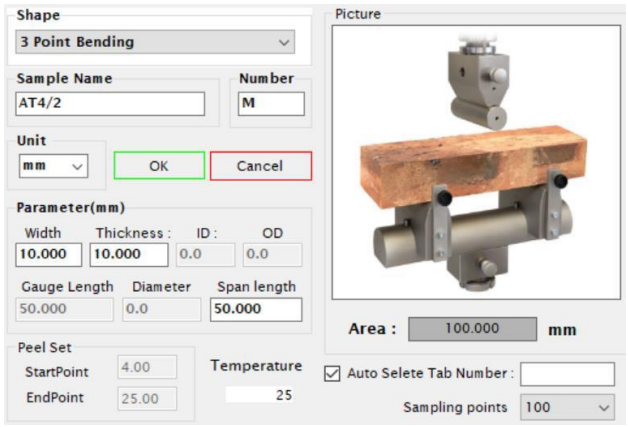
Excel , PDF
User design reports Displays



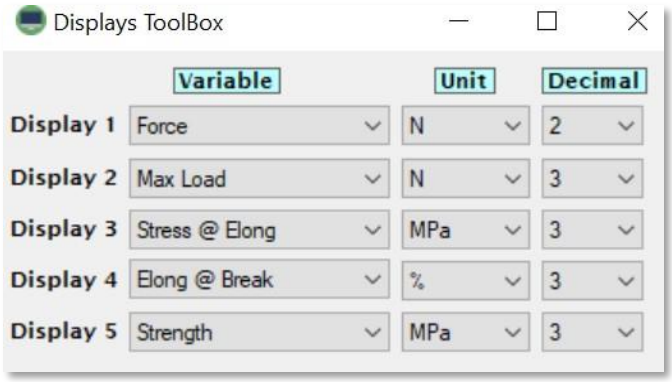




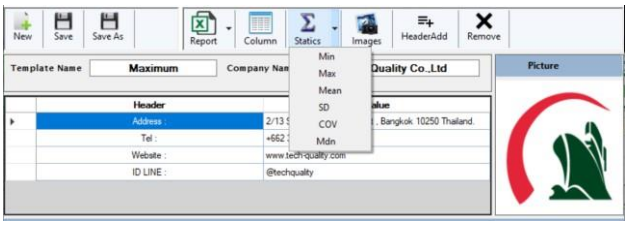
Auto test setup & load protect



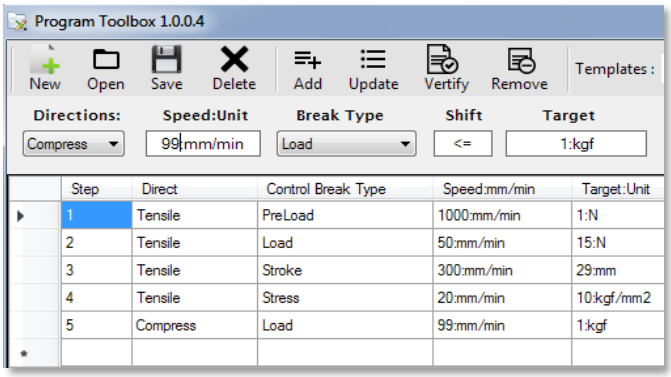
Sample Information



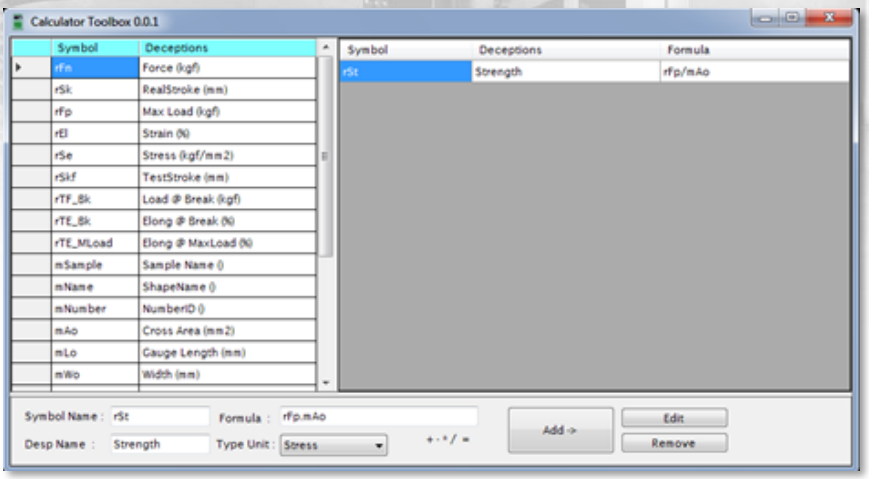
Multi Display & Decimal Point



Statistic Reports

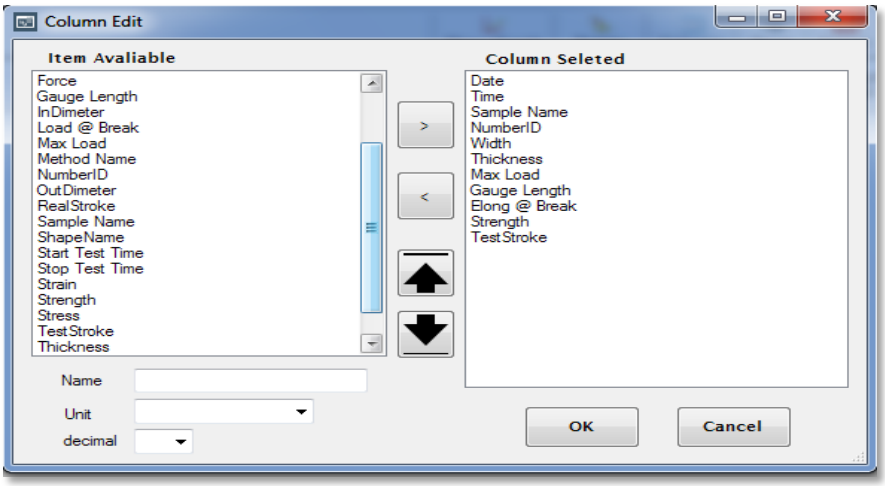


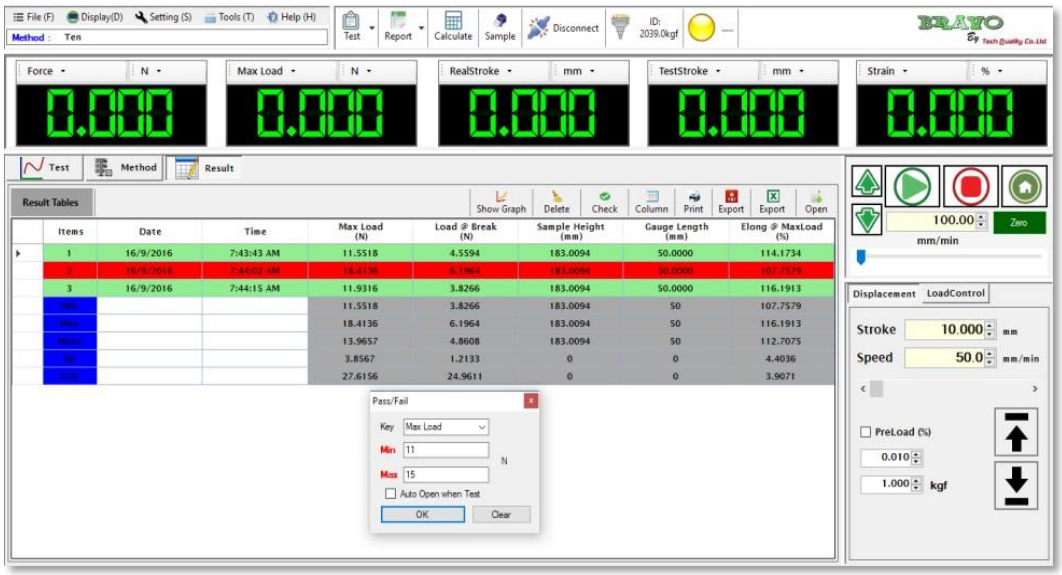
Multi-stage testing with Bravo software



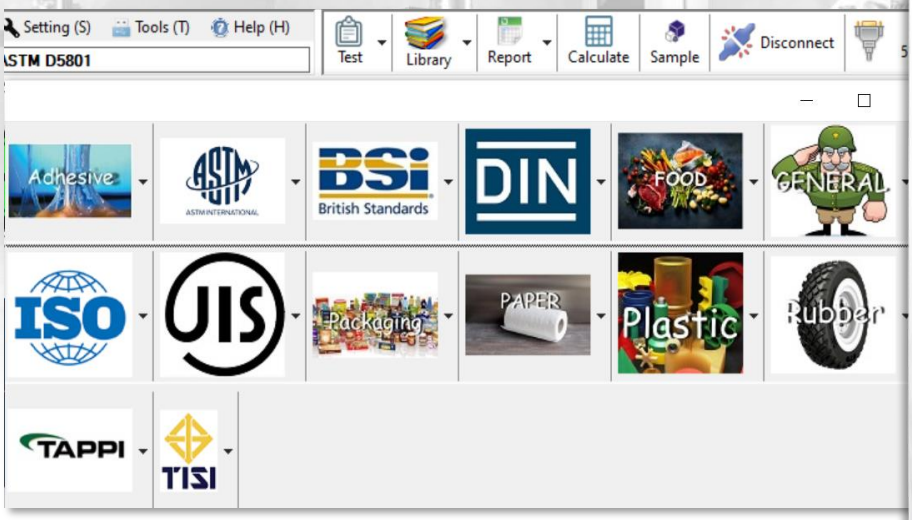
"Formula design by user"

"Selectable result"



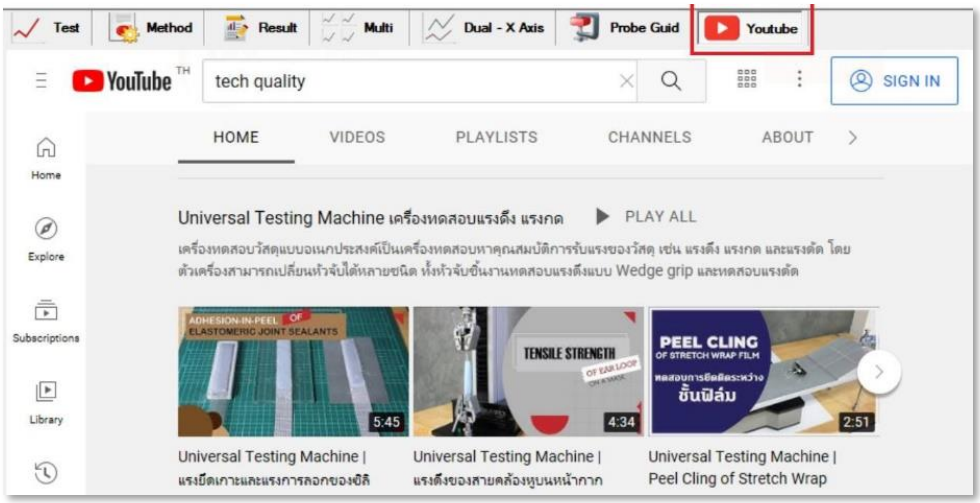


"Results can be color-coded for immediate pass/fail recognition"



Library Test Standard

Probe Guide



YouTube Guide

Modern Aluminum extruded profile High-quality load-frame design

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