



Tech-Quality Co.,Ltd



Made In Thailand



BRAVO

By

Tech-Quality Co.,Ltd

MT Pro Series Universal Testing Machine

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



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 Axis 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, Autopart, Spring, AeroSpace, Woods, Composit, Aluminium etc.

Specifications : Bench-top frame to apply loads - from 5 KN to 50 KN capacity

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					



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

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	29:mm
	4	Tensile	Stress	20mm/min	10:kgf/mm2
	5	Compress	Load	99mm/min	1:kgf

Sample Information

Shape 3 Point Bending

Sample Name AT4/2 Number M

Unit mm 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

Peel Set StartPoint 4.00 EndPoint 25.00 Temperature 25

Area: 100.000 mm

Auto Selete Tab Number: Sampling points 100

Picture

Statistic Reports

New Save Save As Report Column Statics Images HeaderAdd Remove

Template Name Maximum Company Name

Header

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Quality Co.,Ltd

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

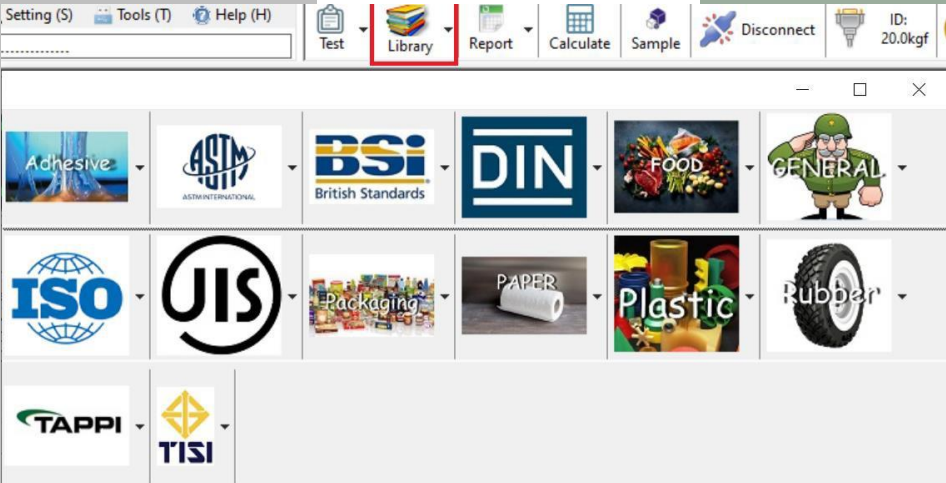
Setting

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

Sensor

☐ Stroke ☐ Rub Extensometer ☐ Extensometer

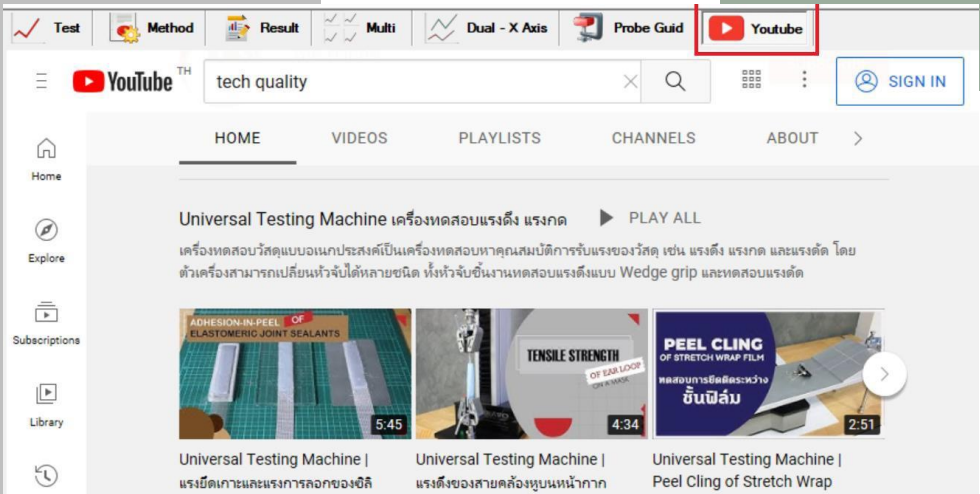
Library



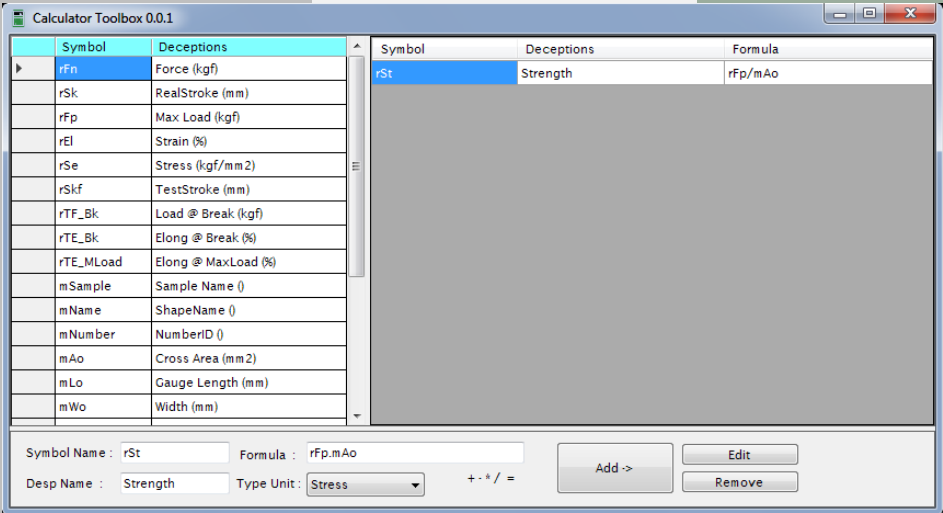
Probe Guide



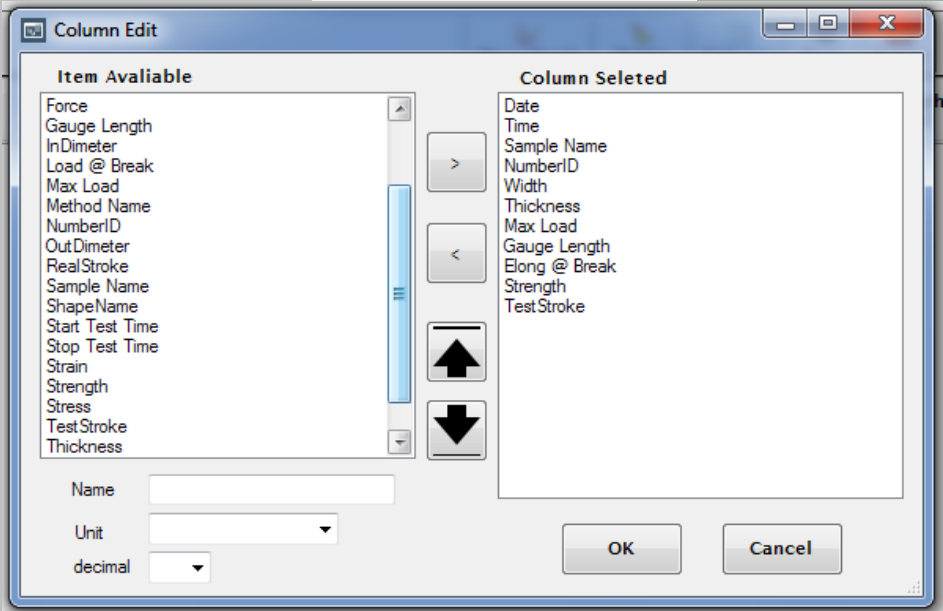
YouTube Guide



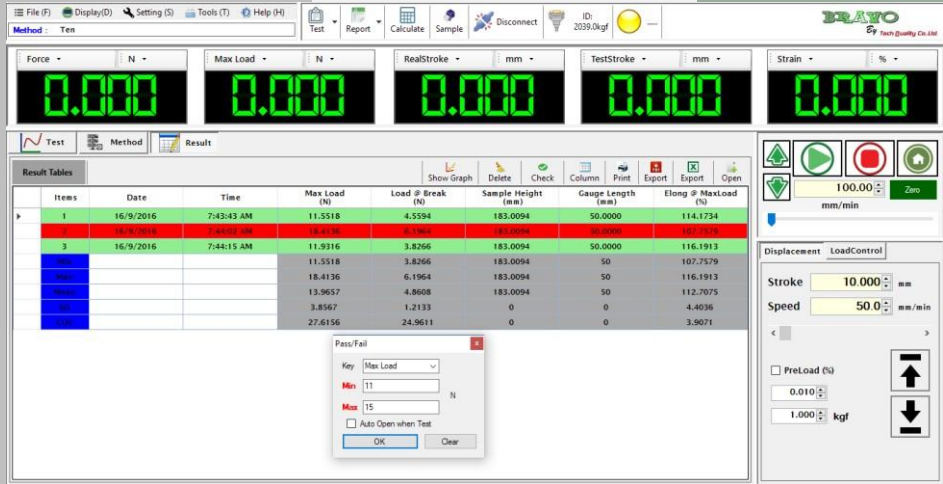
Formula Design By User

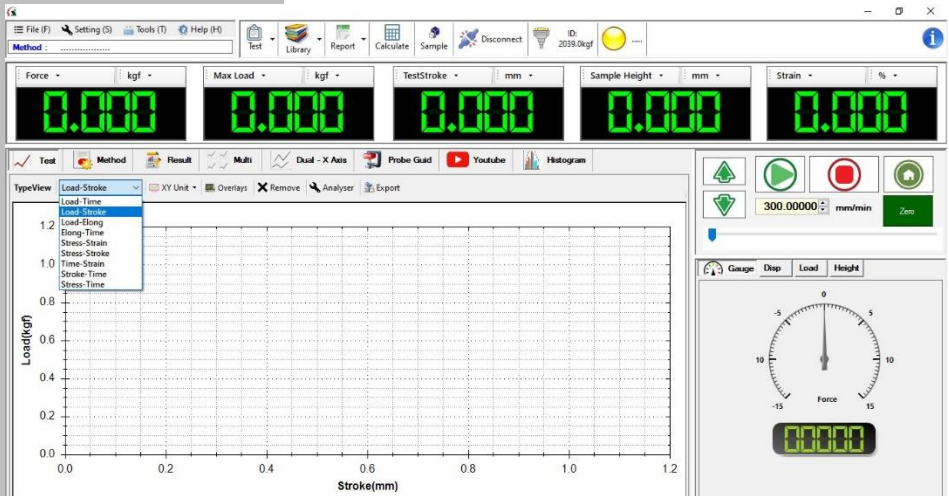
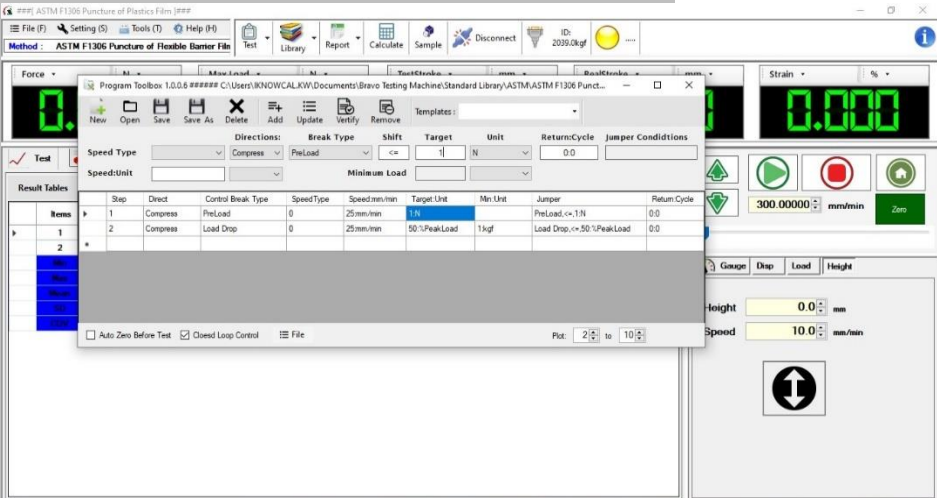
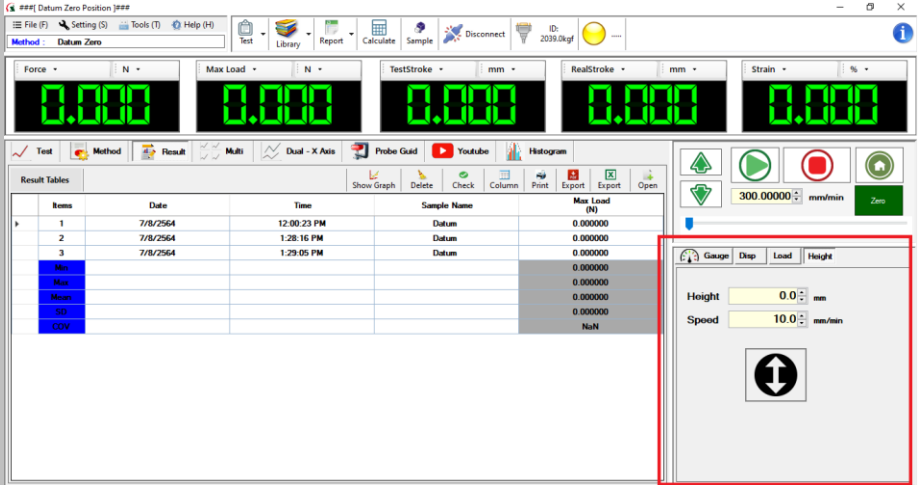
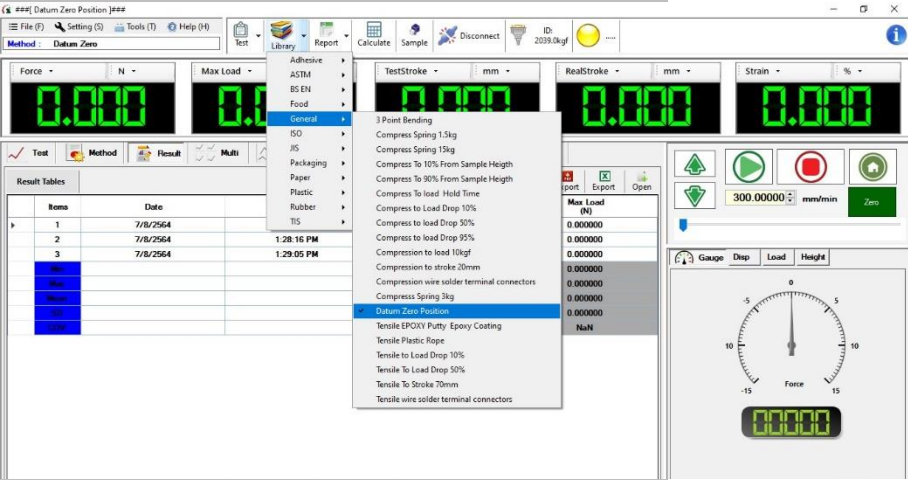


Selectable Result



Results can Be color Coded for Immediate Pass/fail recognition





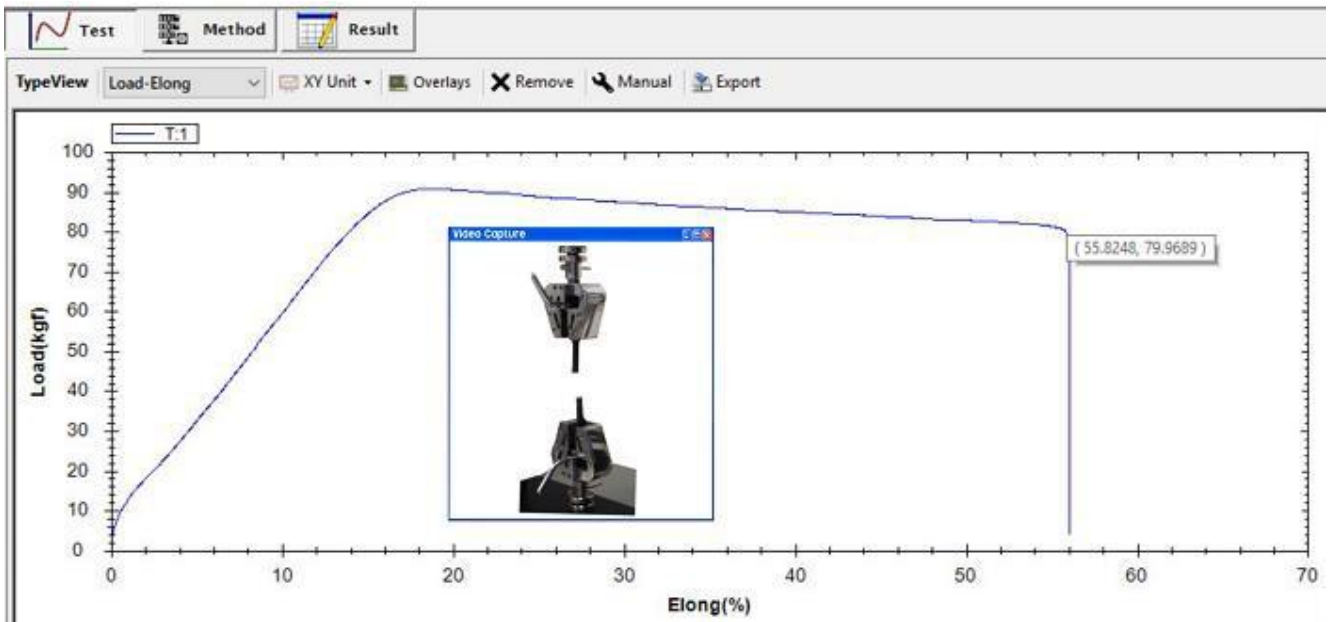


Modern Aluminum extruded profile High-quality load-frame design



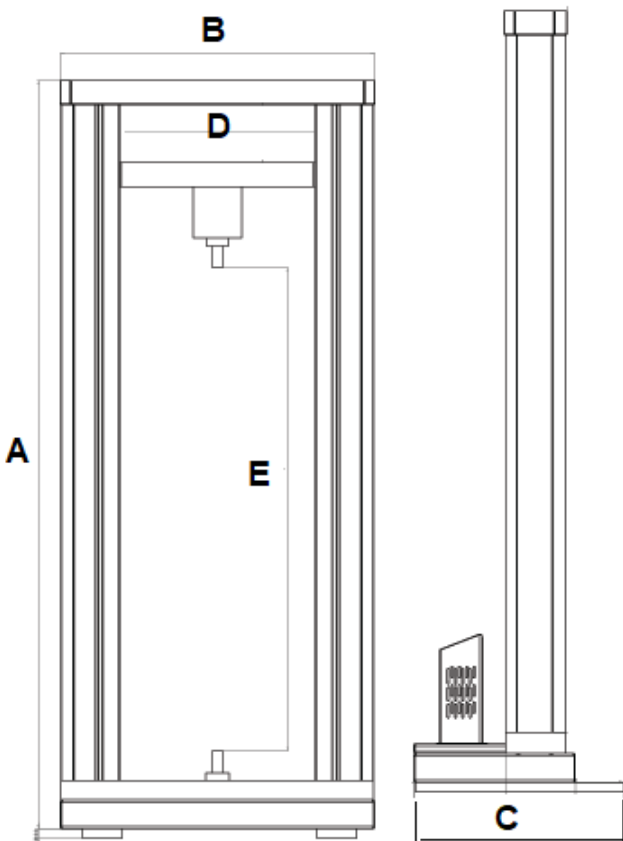
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Video and still capture

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



Dimension

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

Ordering Information



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