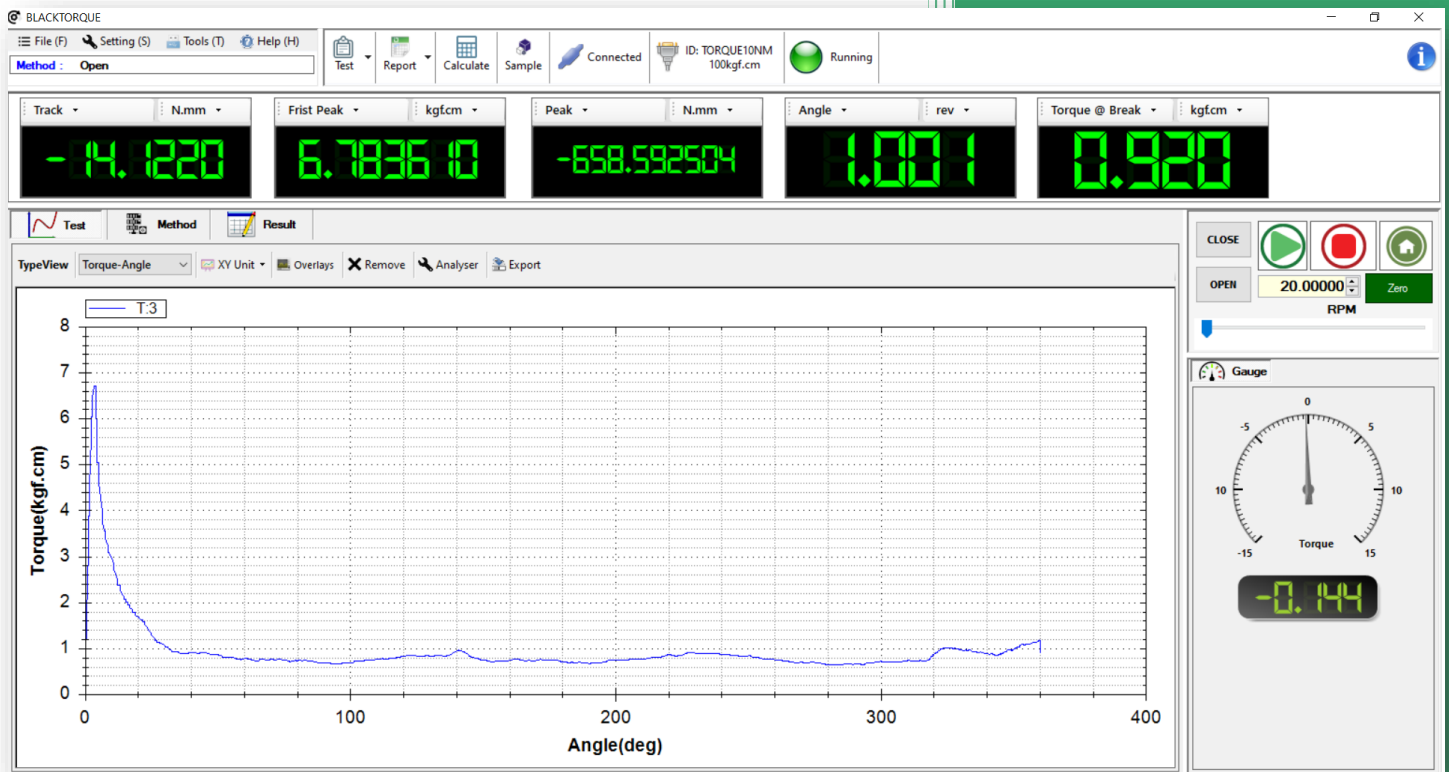




2020

Automated Cap Torque Tester



“BRAVO” A Brand You Can Trust

Made in Thailand

19/2/2020

BRAVO

By Tech Quality Co.,Ltd.



Specification

Machine Capacity : 10Nm

Torque Accuracy : +/- 0.5% FS

Test Units : kgf.cm, kgf.m, N.mm, Nm, Ncm, kNm, lbf.ft, lbf.in

Speed : 5-20 RPM (Open or Close)

Speed Accuracy: 4%

Opening span of lower mounting table 15 - 190 mm

Opening span of upper mounting table 15 - 70 mm

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

Weight Approx 25kg

Power 220Vac/ 50Hz

Warranty 1 Year

Automated Cap Torque Tester

The **Cap pro** Series desktop The Auto Cap is a top of the range torque tester controlled by software running on a PC. Accurate, easy to use and optimised for measuring static torque up to 10 N.m.

The ultimate flexible solution for automated torque testing of a wide range of closures and open.

Features

1. **LOW COST "Made In Thailand"**
2. "BRAVO" Torque Transducer
3. US Digital Encoder
4. 10 Point calibration adjustment
5. Torque Resolution 1/100,000 FS
6. BLACKTORQUE Software
7. Data Transfer Rate to PC 1 kHz...
8. Multi graph display
 - * Torque vs Time
 - * Load vs Angle
9. Results can be color coded for immediate pass/fail recognition.

Simple to use Test Setup

Preload Setup, @Angle Break ,@Load Break, @Load Drop Break ,Over Load Protection , Auto Save after test, Auto Zero Before Test , Auto Return

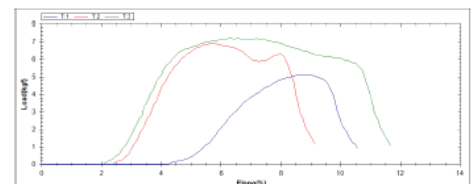
Applications

The Computer Motorized setup allows for greater accuracy and repeatability versus testing by hand.

Tech Quality Co.,Ltd.

| | |
|---------------|------------------------------|
| Test By | Mr. Nukool Boonklam |
| Test Standard | ASTM D882 Thin Plastic Sheet |
| Temperature | 25C |
| Humidity | 55% |

| No | Date | Design Length (mm) | Thickness (mm) | Width (mm) | Max Load (kgf) | Strength (MPa) | Elong @ Break (%) |
|------|-----------|--------------------|----------------|------------|----------------|----------------|-------------------|
| T1 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.1071 | 0.2038 | 82.5000 |
| T2 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.1989 | 0.8078 | 13.5882 |
| T3 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.0235 | 0.4028 | 100.5591 |
| T4 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.0285 | 0.4031 | 101.2258 |
| T5 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.0144 | 0.5888 | 116.5042 |
| T6 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.0216 | 0.5875 | 83.9473 |
| T7 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.0239 | 0.4028 | 82.2068 |
| T8 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 4.9101 | 0.3933 | 85.4158 |
| T9 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.0288 | 0.5820 | 88.4304 |
| T10 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.1268 | 0.5205 | 102.0700 |
| T11 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 5.8239 | 0.8792 | 5.1414 |
| T12 | 25/5/2016 | 50.0000 | 10.0000 | 10.0000 | 7.2118 | 0.7072 | 11.6477 |
| Min | 50 | 10 | 10 | 4.9101 | 0.3933 | 5.1414 | |
| Max | 50 | 10 | 10 | 7.2118 | 0.7072 | 116.5042 | |
| Mean | 50 | 10 | 10 | 5.8439 | 0.5535 | 84.9801 | |
| SD | 0 | 0 | 0 | 0.8152 | 0.0887 | 11.8802 | |
| COV | 0 | 0 | 0 | 18.2140 | 18.2145 | 84.182 | |



Excel , PDF User design Reports