

### Ordering Information



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**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.

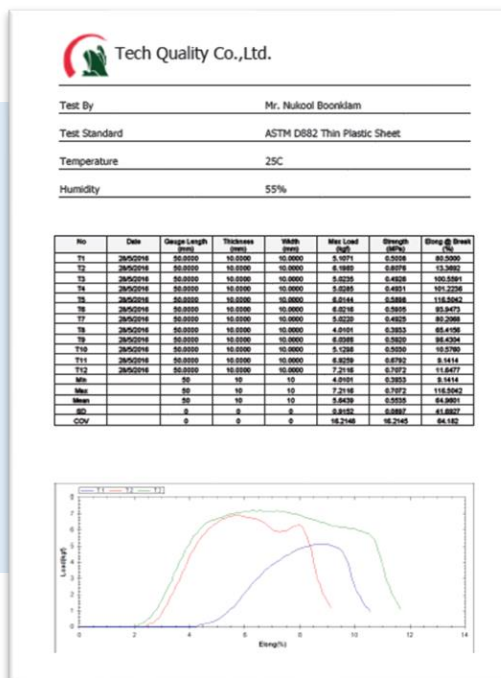


## Specification

- 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 : 1%
- Opening span of lower mounting table 15 - 190 mm
- Opening span of upper mounting table 15 - 65 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

## 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



## Reports & Exporting

- Export of data to Microsoft Excel
- PDF User design Reports



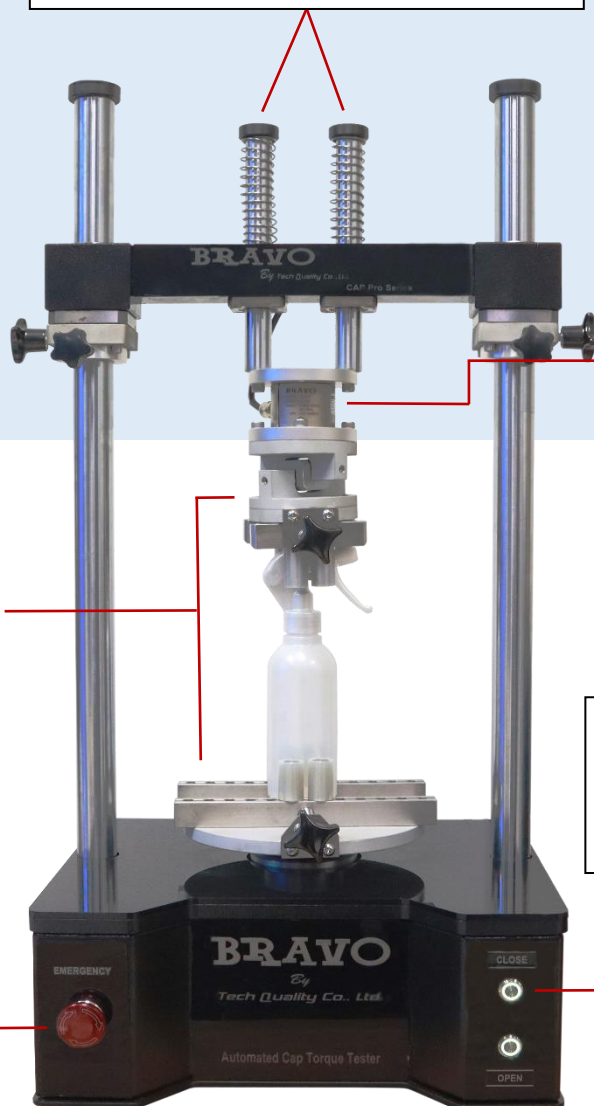
To apply static loads during testing; particularly suitable for child-resistant closure testing

BRAVO Torque Transducer

**Grips and fixtures** A range of standard fixtures is available, including mounting tables and chucks. Custom fixtures, including dedicated mandrels, available on request.

USB Connection Connect to a PC with BlackTorque software, for test settings and results storage, streaming data, graph plotting, calculations, and basic statistics.

Emergency stop button for safety and compliance.



BlackTorque Testing Software

### **Simple to use Test Setup**

Limit Testing Angle Break Torque Break and Load Drop Testing , Preload Setup Auto Return, Over Load Protection, Auto Save after test

### **Applications**

- Medical devices
- Toys
- Electrical controls
- Screw closures
- Automotive controls
- Aerospace controls
- Packaging
- Industrial taps & valves
- Mobile phones
- Small screw fasteners

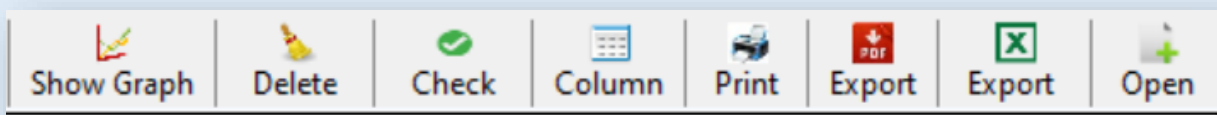
## Program Testing Mode



Using the Program Testing Mode, the true power of BlackTorque software becomes evident. This mode has an intuitive interface, which makes the whole test process easy to manage:

- Setting-up the test method
- Running the test
- Making a test report
- Storing & exporting data

Toolbars simplify testing by helping operators navigate efficiently to key features



- Create pass/fail criteria for test samples

### Self-tapping force E-FSP B-FSP S-FSP ###

File (F) Setting (S) Tools (T) Help (H)

Method: Close 6 rev

Track: kgfcm RealAngle: rev Frist Peak: kgfcm Peak: kgfcm

0.000 0.000 0.000 0.000

Test Method Result

Result Tables

Items	Date	Time	Sample Name	NumberID	Peak (kgf.cm)	Torque @ Break (kgf.cm)
1	28/11/2565	1:52:51 PM	SELFTAPPING	E FJP	40.4247	10.5435
2	28/11/2565	2:04:55 PM	SELFTAPPING	B FJP	3.0133	0.2231
3	28/11/2565	2:07:53 PM	SELFTAPPING	S FJP	5.0040	4.4529

30.00000 RPM

Gauge

Torque

00000

34°C 14:48 3/3/2566

## Dimensions

