AUTOMATED
CAP TORQUE TESTER
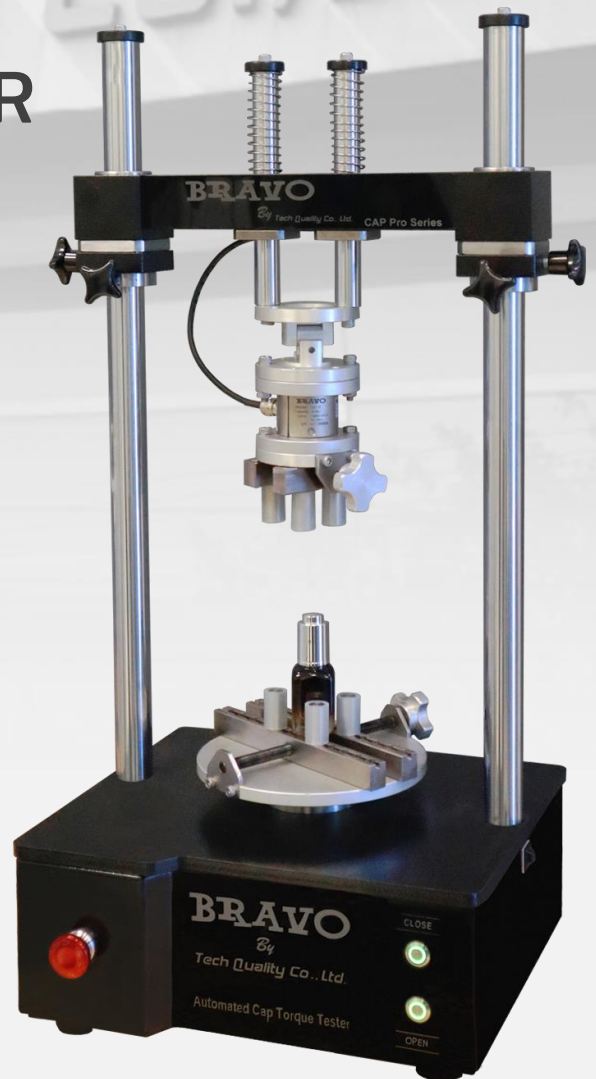
The Cap pro

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 optimized 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

▪ 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
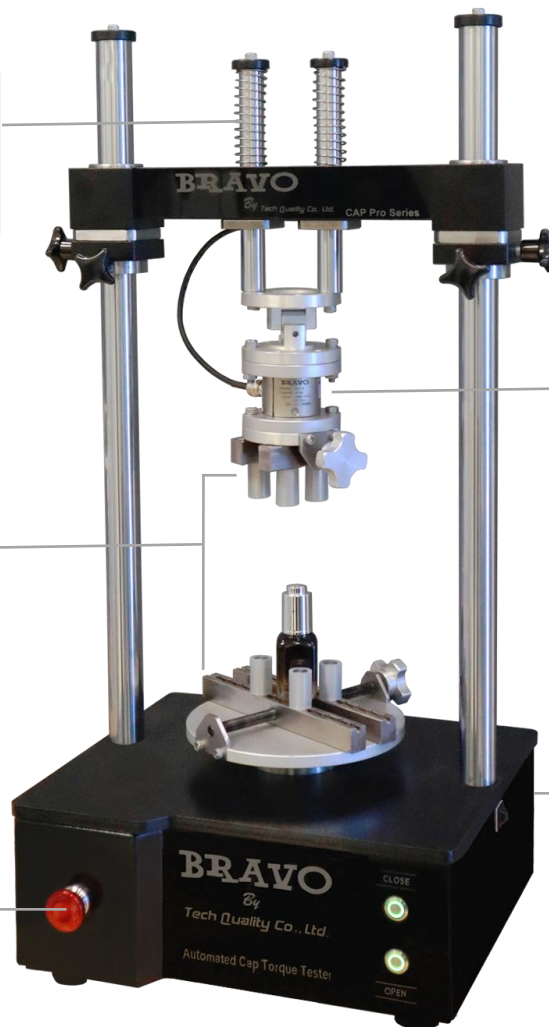
▪ Reports & Exporting
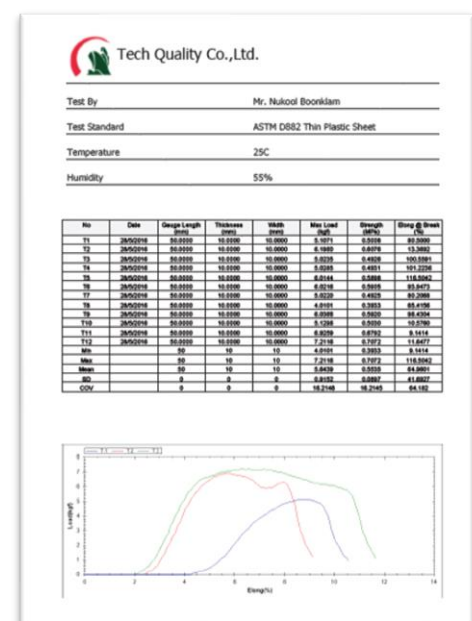
- Export of data to Microsoft Excel
- PDF User design Reports

Introduction

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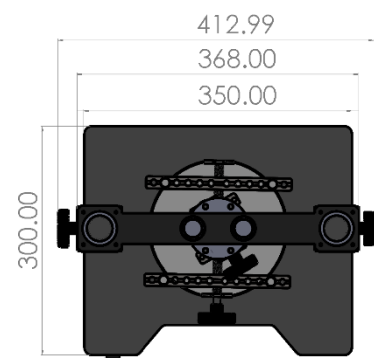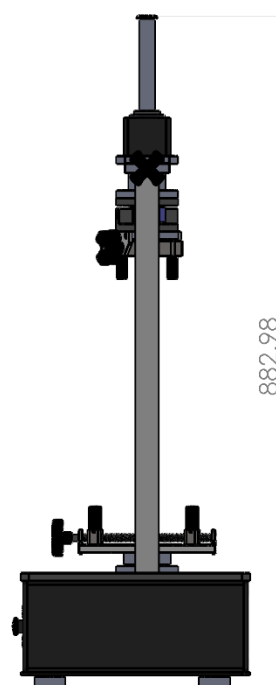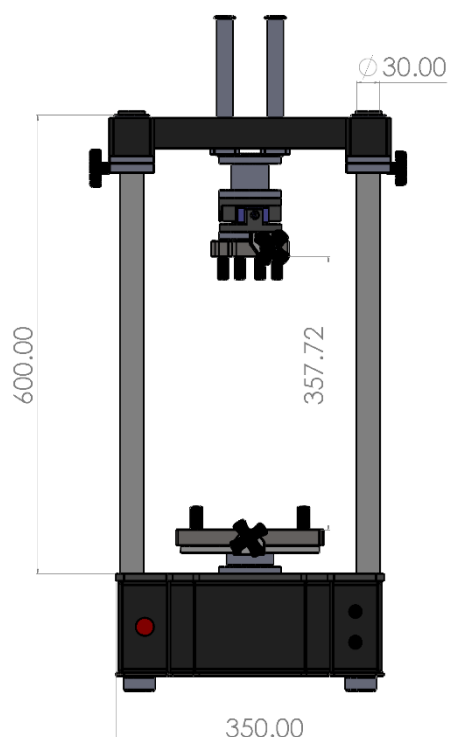
USB Connection Connect to a PC with BlackTorque software, for test settings and results storage, streaming data, graph plotting, calculations, and basic statistics.

Emergency stop button for safety and compliance.

Dimensions

⌀30.00

600.00

357.72

350.00

882.98

412.99
368.00
350.00

300.00

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
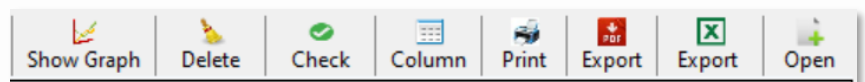Mobile phones Small screw fasteners

BlackTorque Testing Software
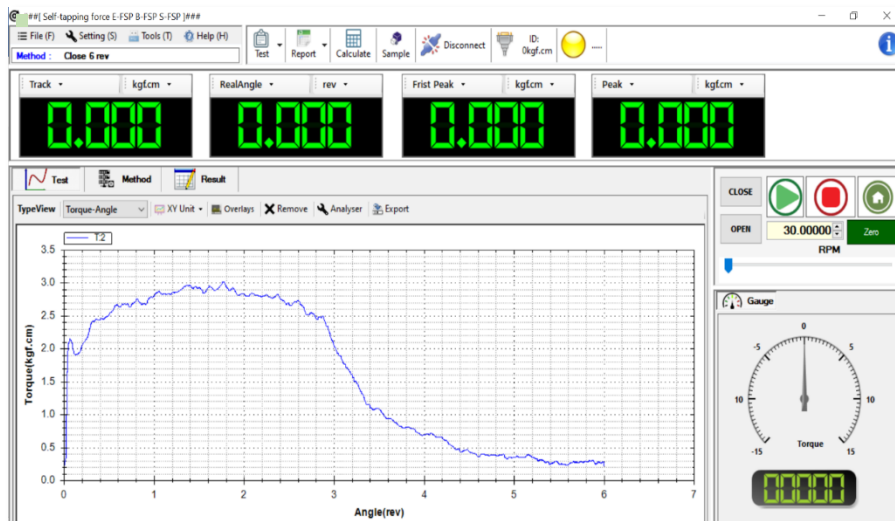
Program Testing Mode

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
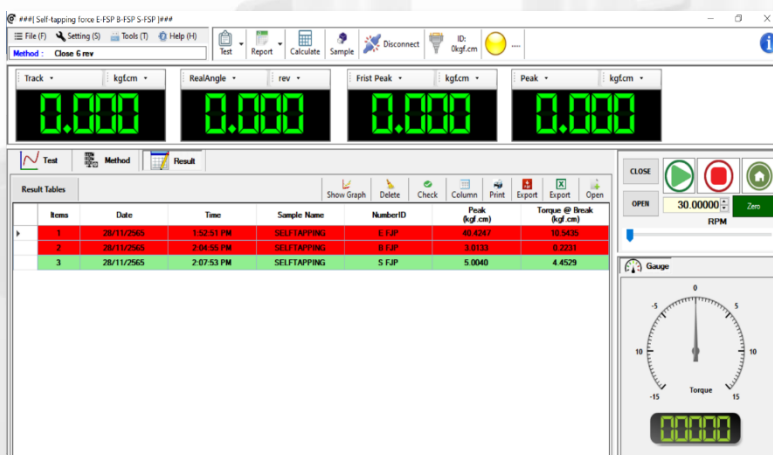
▪ Create pass/fail criteria for test samples