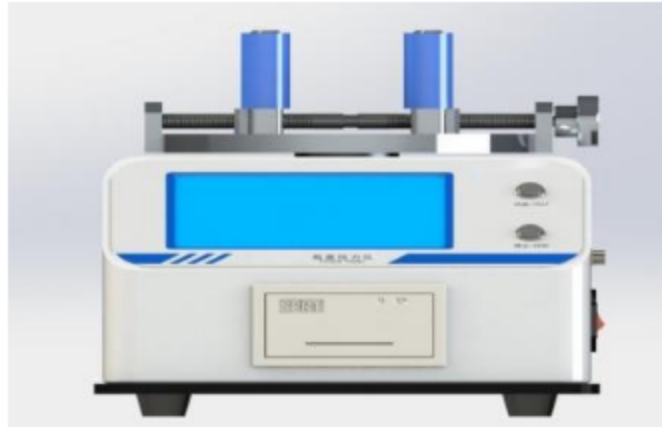


KASON-CTT20A Cap Torque Tester



Product Overview

The KASON-CTT20A touch screen torque tester is suitable for the pharmaceutical, food, beverage, filling and other industries. It is designed for the precise torque testing of cap locking and opening for bottled, soft tube and spout pouch packaging products. The torque value of cap locking and opening for such packaging products is one of the key process parameters controlled offline or online by manufacturers. A proper torque value exerts a significant impact on the intermediate transportation of products and end consumer use, making this tester an indispensable testing equipment in the production process.

Suitable for factories, workshops, laboratories, colleges and research institutions.

Product Features

- The system is controlled by a microcomputer and equipped with a 7-inch high-definition touch screen, enabling users to view test data and results quickly and intuitively.
- Provides dual test modes for opening force and locking force, as well as bidirectional test modes for clockwise and counterclockwise opening.
- Automatic peak value holding ensures accurate recording of test results.
- Adopts standard test units for convenient data reference and comparison.
- Intelligent configurations such as overload protection, automatic zero reset and fault prompt ensure safe operation for users.
- Equipped with a micro printer and a universal USB data interface for easy data output and transmission.
- Supports the upper computer laboratory data sharing system for unified management of test results and inspection reports.

Referenced Standards

This instrument complies with multiple national and international standards: GB/T 17876, ASTM D2063, ASTM D3198, ASTM D3474, BB/T 0025, BB/T 0034.

Test Applications

| Application Type | Test Object | Test Description |
|----------------------|------------------------------|--|
| Basic Application | Bottled Containers | Torque testing for locking and opening of caps on thread-connected bottled food and pharmaceutical products (e.g., beverage bottles, medicine bottles) |
| Basic Application | Soft Tube Packaging Products | Torque testing for locking and opening of caps on thread-connected soft tube packaging for food, pharmaceuticals and cosmetics (e.g., eye drop bottles, hand cream tubes, shoe polish tubes) |
| Extended Application | Thread Locking & Opening | Torque testing for the locking and opening of nuts and bolts |

Technical Parameters

| Item | KASON-CTT20A Torque Tester |
|----------------------|---|
| Specification | 20 Nm (Standard); 3, 5, 10, 40 Nm (Optional) |
| Accuracy | Class 0.5 |
| System Resolution | 0.001 N.m |
| Display Unit | N.m, kg.cm, lb.in, N.cm (Free switching) |
| Clamping Range | Φ5 mm ~ Φ180 mm (Diameter) |
| Statistical Capacity | Stores 1~200 groups (up to 20 results per group); Unlimited storage with professional software (with multi-unit results & statistical data) |
| Data Output Mode | Standard: Micro printer, USB flash drive data export; Optional: PC terminal output |
| Overall Dimension | 360 mm (L) × 290 mm (W) × 300 mm (H) |
| Power Supply | 220VAC 50Hz / 120VAC 60Hz |
| Net Weight | 15 kg |

FOCUS IN MATERIAL TEST

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