

## DRK123 Box Compression Tester



### Product production

DRK123 Box Compression Tester is professionally used to test the compression resistance property of plastic bucket, (edible oil, mineral water), fiber drum, carton, paper, cans, container barrels (IBC barrels),

plastic container, plastic crate, plastic seat and other plastic container and products.

## Product features

- 1、 8 Inch touch screen operation no need to change to another page, optional with Computer controlling system, which would display the curve with the changing of the test force; the force and value can be printed into excel and word by printer, our standard configuration with the touch screen is 8 inch touch screen with thermal printing function, and computer configuration is Lenovo brand(or others) and HP brand of printer; The other operation system is eight-inch color touch-screen control panel, high-speed ARM processor to ensure high automatility, fast data collection, test automatically and intelligent judgment;
- 2、 Three test methods including compression test; stacking test; pressure standard test;
- 3、 The screen dynamic could display sample No., force-time, force-displacement, force-deformation and real-time pressure curve and initial pressure to analyze test process.
- 4、 It adopt open structure, double screw, double column, reduction gears drive reduction, good parallelism, good stability, strong rigidity, long service life;
- 5、 The serve motor control system is with high precise, low noise and high speed advantages; accurate position and fast response speed to save test time;
- 6、 24 high-precision AD converter (resolution up to 1 / 10,000,000) and high precision weighing sensor to ensure the speed and accuracy of the data acquisition of the instrument force;
- 7、 Ultimate travel protection, overload protection, bugs prompt and fault prompts intelligent configuration to ensure safe operation; Micro-printer can print test data easily.

## Technical standard

GB/T 4857.4	《Packaging - transport packages compression test method》
GB/T 4857.3	《Packaging - transport packages static load stacking test method》
ISO2872	《Packaging -- Complete, filled transport packages -- Compression test》
ISO2874	《Packaging -- Complete, filled transport packages -- stacking test》
QB/T 1048	《cardboard and carton compression testing machine》

## Product parameter

Model	DRK123A	DRK123B	DRK123C	DRK123D	DRK123E	Other sizes
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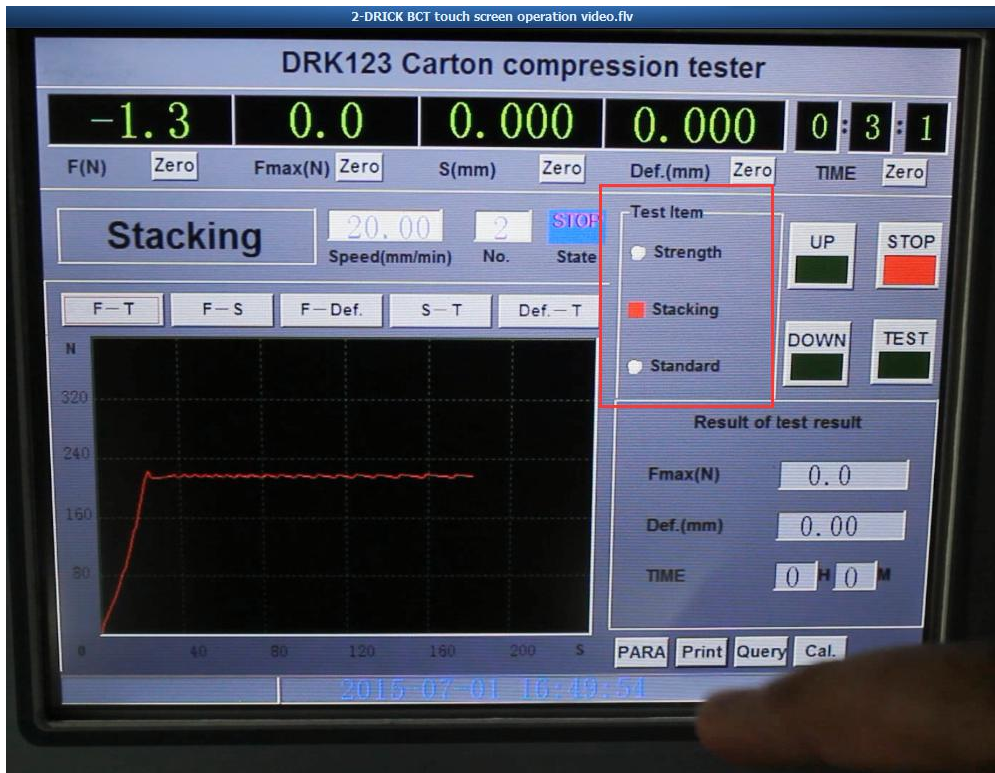
Test size	600*600*60 0mm	800*800*80 0mm	1000*1000*1 000mm	1200*1200* 1200mm	1200*1200 *1500mm	Can be customize d
Test range	20KN-50KN-100KN					
accuracy	0.5grade & 1 grade (optional)					
Load accuracy	0.2%					
Resolution	0.1N					
Deformation resolution	0.001 mm					
Pressing Plate	Parallelism between upper and lower pressing plate: $\leq 1$ mm					
Test Speed range	1-200 mm/min (infinitely variable speeds)					
Return speed	1--200 mm/min (infinitely variable speeds)					
Stroke	600 mm	800	1000	1200	1500	customize d
Sensor Qty.	1 pc or 4 pcs					
Configuration	Imported brand sensor, servo motor, and ball screw rod, touch screen&computer controlled optional					
power	AC 220V 50 Hz					

## Main fixtures

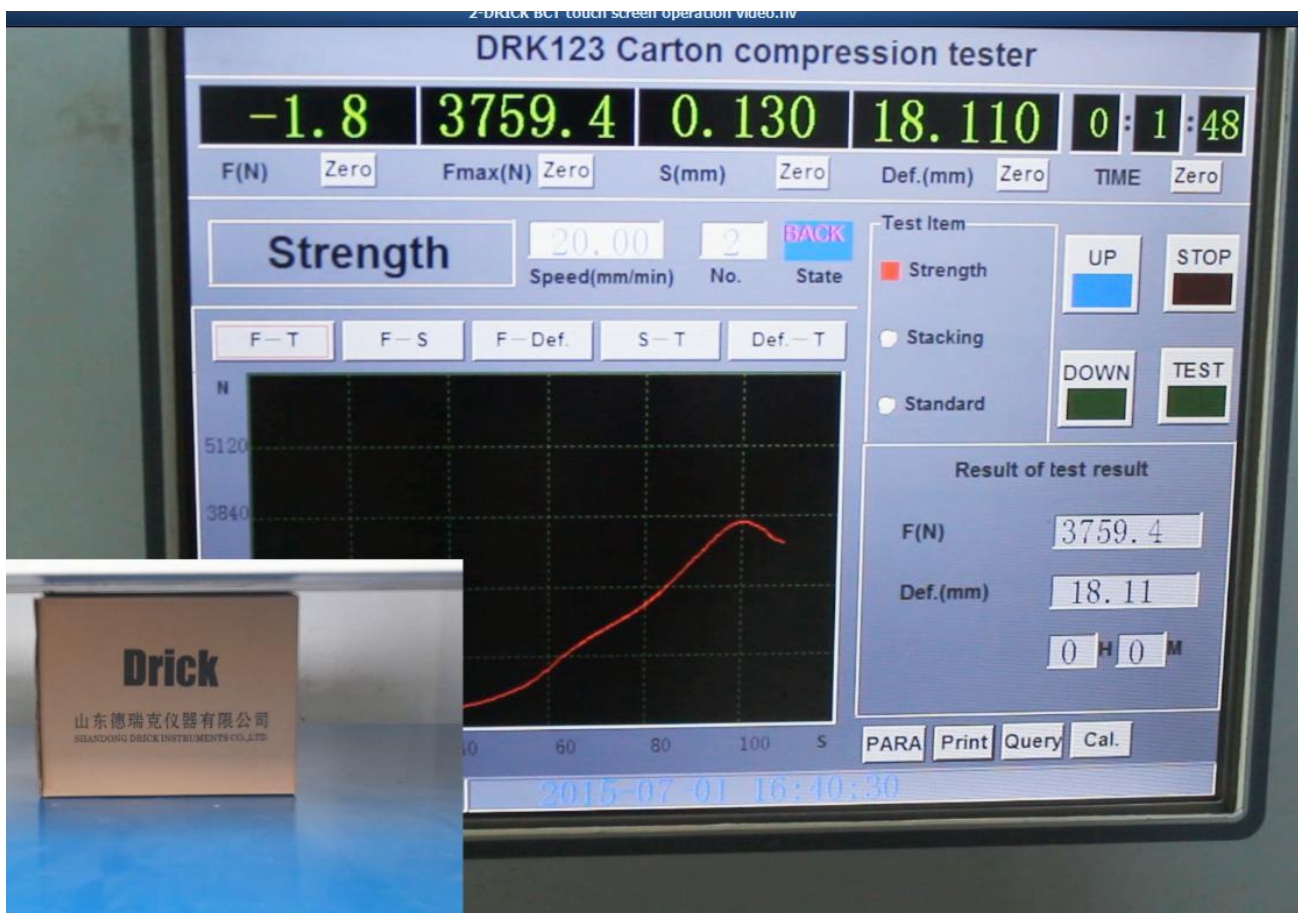
Mainframe, power line, certification, operational manual

## Software and Controlled system

1. Touch screen controlled system with LCD display



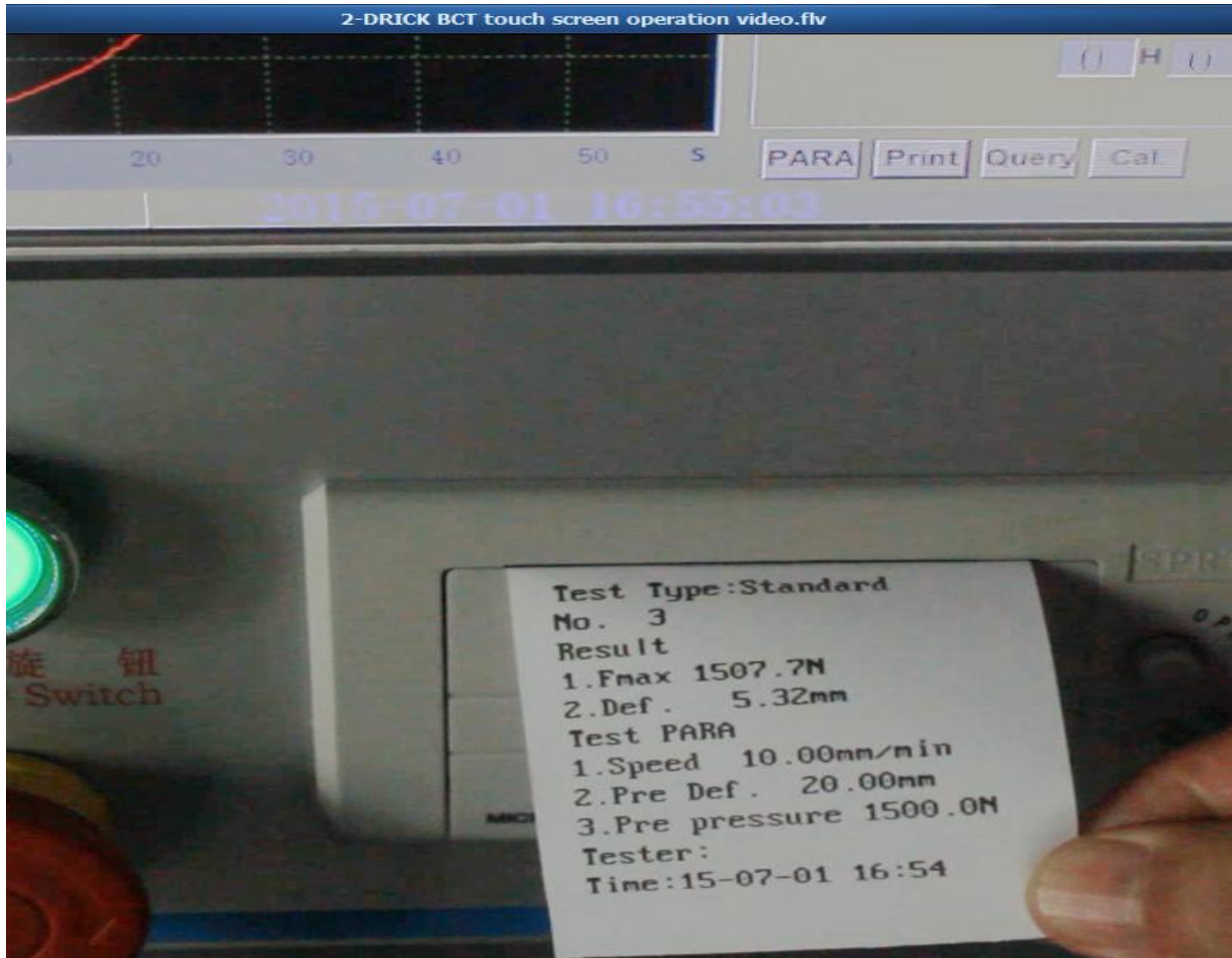
Three test items can be selectable freely by customer's test demand.



Curve and graph showing the changing of the compression strength force during the test period

Operation the system by hand touched, very easy and directly

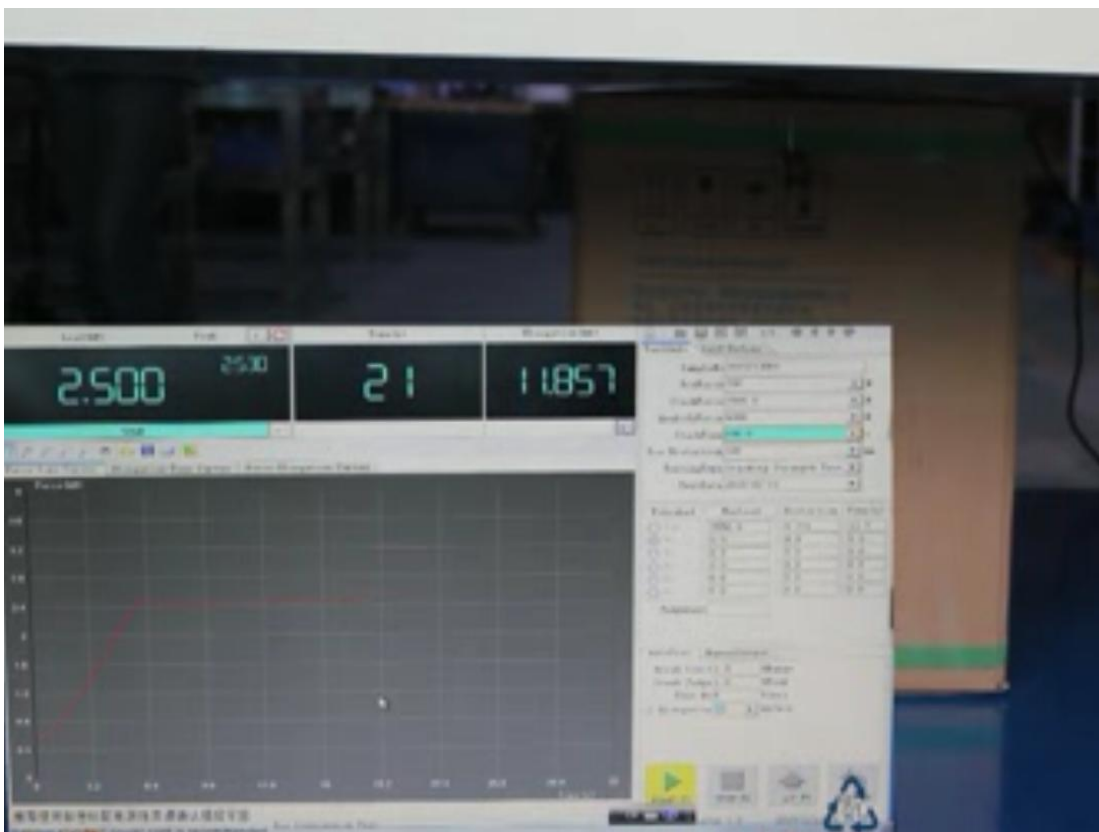
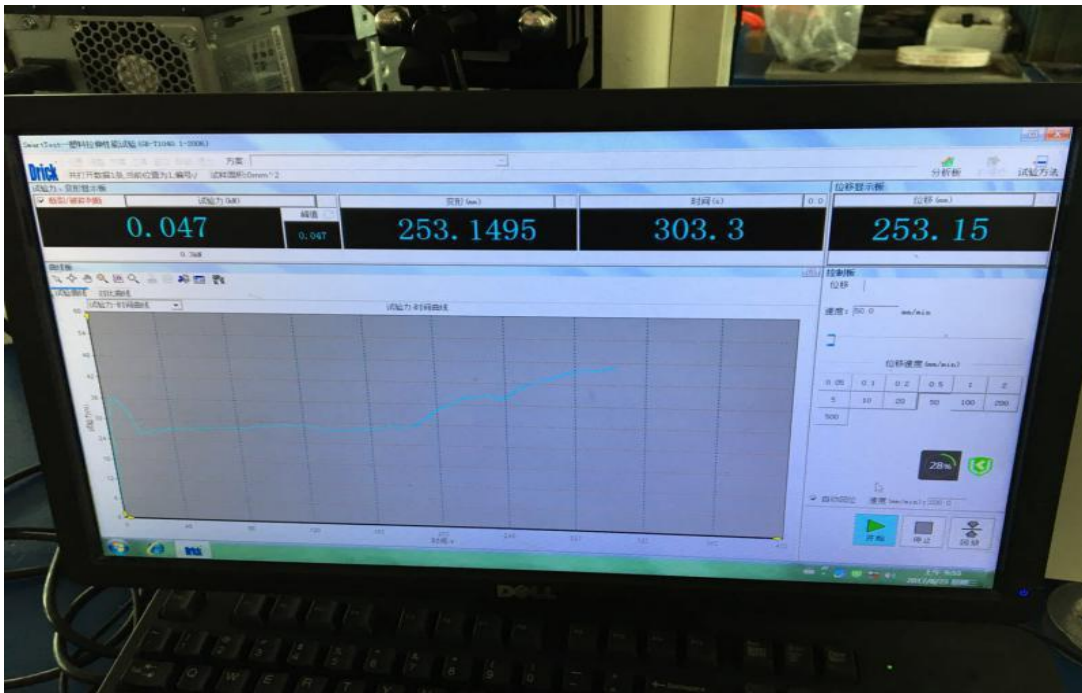




Test result can be thermal printed directly.

## 2. Computer controlled system and software





Real photo



