

Crush Tester Model: ADL-PCT3000A

ADL-PCT3000A Crush Tester is a touch screen control paperboard crush strength tester produced by our company. The paperboard, carton factory and carton manufacturer are usually used to detect the edge crush strength (ECT) and flate crush strength (FCT) of corrugated board, adhesive strength (PAT) and flate crush strength (CMT), edge compressive strength (CCT) of diameter less than 60mm paper core. The instrument is an ideal auxiliary testing tool for papermaking enterprises, paperboard manufacturers, carton manufacturers, carton users and quality supervision and inspection departments.



Application Range

Paper, cardboard, paper core, base paper

Application Function

Measure RCT of paper 0.10~0.58mm thickness, ECT and PAT for corrugated board, FCT for single flute corrugated board, and CCT & CMT for corrugated paper

Standards

- RCT : GB/T 2679.8、 ISO 12192、 TAPPI T822
- ECT : GB/T 6546、 ISO 3037、 TAPPI T839
- FCT : GB/T 22874、 ISO 3035、 TAPPI T825
- PAT : GB/T 6548
- CMT : GB/T 2679.6、 ISO 7263、 TAPPI T809
- CCT : ISO 16945、 TAPPI-T843

Product Features

- The instrument adopts a high-precision load cell, a ball screw drive, and dual guide shafts to ensure the force value and displacement accuracy of the instrument, and the smoothness of the platen movement.
- The motherboard adopts the latest technology and new design. The CPU adopts 32-bit ARM processor, which improves the processing speed of the instrument and makes the calculation data more accurate and fast
- The 7-inch serial color touch screen, Chinese and English can switch display, and touch buttons make the operation easy to understand
- Automatic measurement, statistics, printing test results, the test data will not disappear when shutdown or power is off
- Real-time display of pressure value changes during the test
- Over-range automatic reset to protect precision sensors
- The thermal printer core eliminates the need for inks and ribbons, noise-free operation, and fast printing speed
- Units can be switched: N, kgf and lbf
- With statistical function, showing average value, maximum value, minimum value, standard deviation and coefficient of variation
- The instrument is equipped with a standard RS232 interface, which can be used with the microcomputer software for communication (optional)

AdLab Instruments Co., Ltd

★ RM 602, 6/F, Kaiyue Comm Building, No.2C, Argyle Street, Mongkok Kowloon, Hong Kong

🇮🇪 20A Cuil Na Carriage, Ballymakeera, Co-Cork, Ireland (EU)

✉ info@adlabinstruments.com 🌐 www.adlabinstruments.com

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Key Technical Parameters

- Power Supply - AC 220V±10% 50Hz 100W(can be customized)
- Working Environment - (10~35)°C, Humidity≤85%
- Measuring Range - (10-3000)N, (10-5000)N can be customized
- Indicating Accuracy - ±0.5%
- Resolution - 0.1N
- Indication Variation Accuracy - ≤0.5%
- Test speed - (12.5±1) mm/min, 1~500mm/min can be set
- Test return speed - 500mm/min
- Plate displacement speed - 200mm/min
- Depth of Parallelism between plates - ≤0.03 mm
- Maximum Distance of parallelism between plates - 80 mm
- Print - Built-in thermal printer
- Communication Interface - RS232
- Dimension - 410(L)×410(W)×550(H)mm
- Net weight - ≤67kg

Optional Accessories (Purchase Separately)

- RCT Central Panel
Testing ring crush strength of paper and cardboard - 1set
- RCT Sample Cutter
Sampling ring crush strength of paper and cardboard - 1set
- ECT Sample Holder
Testing edgewise crush strength measurement of paper and cardboard - 1set
- ECT Sample Cutter
Sampling edgewise crush strength and Bond strength of paper and cardboard - 1set
- FCT Sample Cutter
Sampling flat strength of paper and cardboard - 1set
- PAT Accessories
Testing pin adhesion of paper and cardboard - 1set
- RS232 interface and computer software - 1set

**Technical Data Subject to change without notice.*

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Our Skill

At AdLab, we combine expertise in precision engineering with advanced laboratory technology to create innovative and reliable testing instruments. Our team of skilled professionals continuously works on improving product designs, integrating the latest advancements in technology, and ensuring compliance with international quality standards. With a strong focus on research and development, we provide customized solutions that cater to the unique needs of our customers worldwide.

Our Products

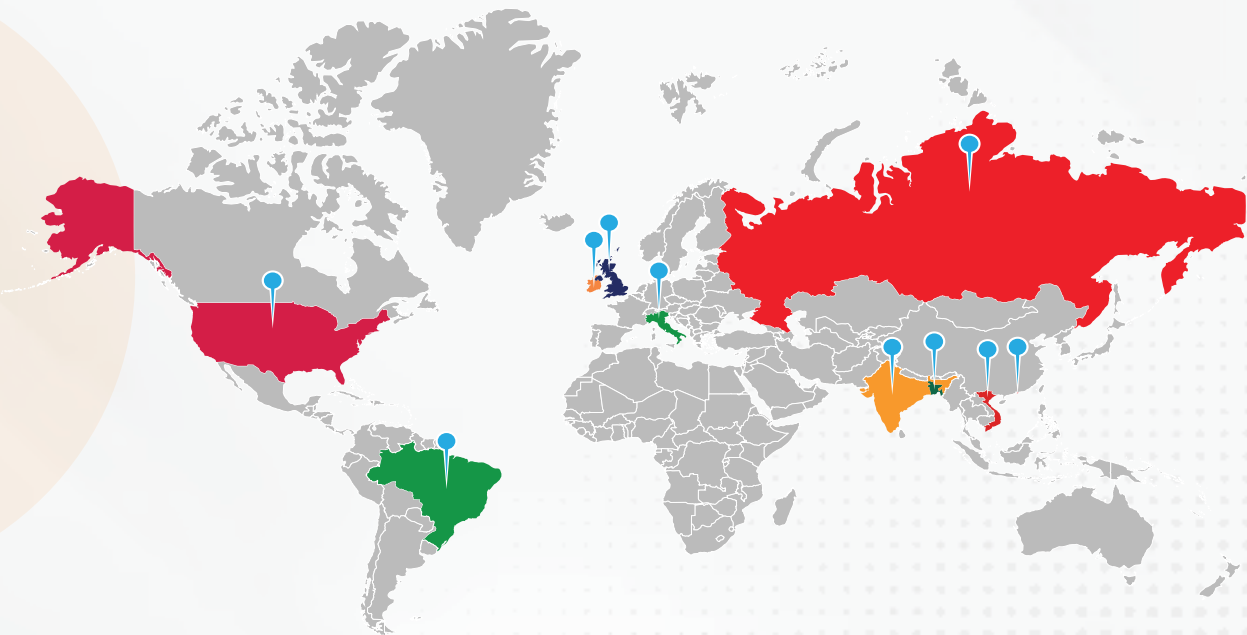
AdLab offers a wide range of high-quality laboratory and textile testing instruments, including Yarn & Fiber Testing Instruments, Laboratory Fume Hood Chambers, Ovens & Incubators, Water Baths, Textile Testing Instruments, Dyeing & Finishing Machines, Ceramic Testing, Tensile Testing, Washers & Dryers, Needle Detectors, and In-House Testing Equipment. Designed for precision and efficiency, our products ensure accurate testing and reliable performance across various industries.

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- ✓ Installation & Training – We offer professional installation services and hands-on training to help users operate our equipment efficiently.
- ✓ Calibration & Maintenance – Regular calibration and maintenance services ensure that your laboratory instruments remain accurate and in optimal working condition.
- ✓ Customized Solutions – We provide tailored solutions to meet specific industry requirements, helping our clients achieve maximum efficiency in their operations.

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