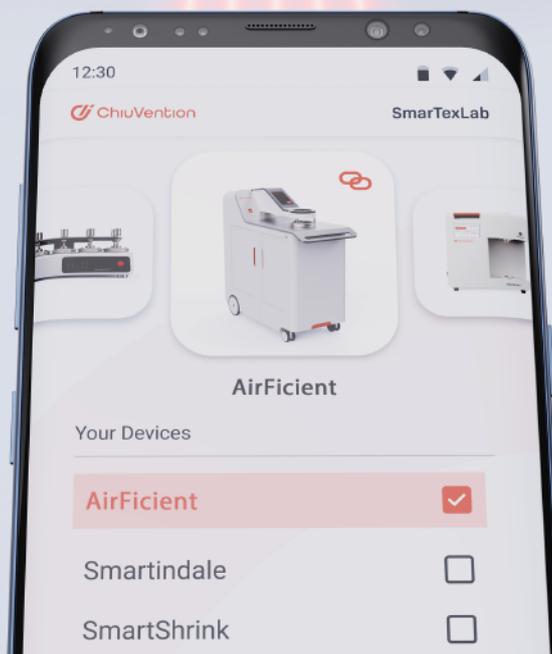


# TEST SMART NOW

THE DIGITAL FUTURE OF TEXTILE TESTING



## WHY CHIUVENTION

- **Dive into our smartexlab ecosystem**  
Automate the whole testing procedure, from test material recognition, selection of test process to test report analysis and real time transmission of results. The whole process can be remotely initiated, monitored and controlled via SmartTexLab mobile app. Additionally you will get automatic reminders for maintenance, calibration and consumable replenishment.
- **360° Support**  
We can offer you high quality service, lab building assistance and are eager to support you with our deep knowledge of textiles and testing instruments.
- **Every detail counts**  
With high quality standards and intensive test procedures, we ensure that all our instruments meet your requirements for a high repeatability and reproducibility.

## WHAT IS IMPORTANT TO US

### Our Mission

Improve the quality of textile and apparel with smart instruments

### Our Vision

Be the global leader of smart textile instruments

### Our Values

- With self-explanatory, easy-to-use instruments, we enable our customers to achieve consistent and proven test results.
- We provide our customers with innovative and reliable testing equipment, to support them in every stage.
- We develop and produce smart, high efficient test equipment/machines that shorten reaction times and enable real-time analysis.
- We offer a full service package, from the initial idea, the set-up of the laboratory, the commission of the laboratory, up to the support during the daily tests.

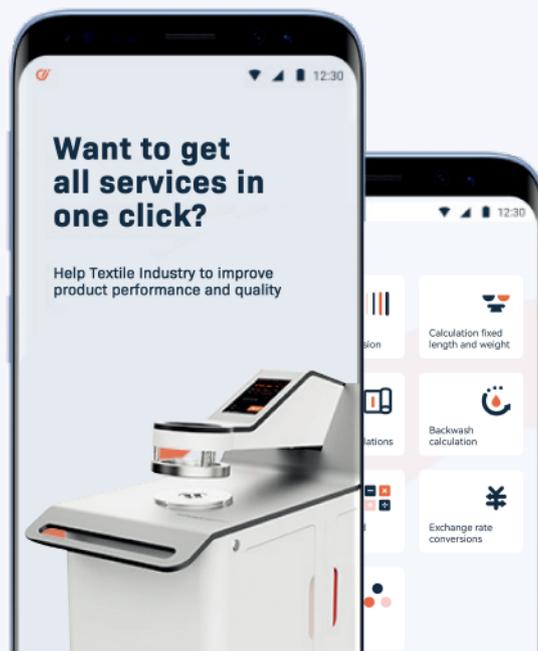
## TEST SMART NOW

With the advent of the digital age and the growth of the middle class, the market demand for clothing and fashion products is becoming increasingly diverse, which poses challenges for various brands in the industry, including product diversification, small batch orders, and rapid updates. So for a part of textile industry, textile testing instruments that provide faster, more accurate, more reliable, and lower-cost testing will undoubtedly have more marketing potential.

Based on this, ChiuVention innovated the SmartTexLab, which integrates smart textile testing instruments and smart devices of sample preparation through the latest technologies, such as IoT and RFID, AI, Visual Inspection, etc. In this way, textile labs can realize automatic sample identification, automatic sample cutting, and the test results of the same sample in each instrument are automatically sent to the central computer, then you can obtain a summarized report after the tests are completed, and the report can be quickly shared to the quality inspection department or customers online.

The paperless process enables to save on personnel and material costs for the laboratory. In addition, by significantly reducing the time it takes from sample collection to report output, the SmartTexLab can shorten the delivery time for textile and clothing factories, creating even greater economic benefits.

What's more, you can get the instrument calibration guide and maintenance service, consumable supply, as well as massive testing knowledge only by one-click on SmartTexLab. Test Smart Now!



ISO 9001-certified by SGS



National High-Tech Enterprise



Member of ASTM, USA



Member of AATCC, USA

# STRICT QUALITY STANDARDS, RELIABLE CHIUVENTION

## **Strictly meet standards**

All data for each instrument meet the standard parameters.

## **Consistency with international third party laboratories**

All test data are comparable to the test results obtained by well-known international third party laboratories.

## **High repeatability**

The same set of samples, the same machine, after multiple tests, the results are consistent.

## **High reproducibility**

The same set of samples, different machines of the same model, after multiple tests, the results are consistent.

## **Longer service life**

For all the machines manufactured by ChiuVention, before mass production, prototypes are made and required to pass the strict Reliability Test, i.e. tested under challenging environments such as high and low temperature, high speed and high load, etc., to ensure the expected serving life no less than 8 years.



# TEST SMART NOW!

The ChiuVention SmartTexLab system integrates smart textile testing instruments and smart devices of sample preparation through the latest technologies, such as IoT and RFID, AI, Visual Inspection, etc. In this way, textile labs can realize automatic sample identification, automatic sample cutting, and the test results of the same sample in each instrument will be sent to the central computer, then you can obtain a summarized report after the tests are completed, and the report can be quickly shared to the quality inspection department or customers online.

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# SmarTexLab Textile Testing

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# Conventional Textile Testing

The test requirements are all collected online and received by the smart cutting machine.

## The collection of test requirements

Fill out the test requirements manually, input them into the computer, and then print out some forms and corresponding labels.

The cutting machine automatically cuts the fabric into samples of different sizes and put them into the RFID basket that can identify and track the samples.

## Cutting and identification of samples

Several samples were manually cut and labeled separately for differentiation.

By scanning the sample bar code or placing an RFID basket in the induction area, all information are automatically identified and recorded, then the instruments will be automatically set according to the test requirements.

## Recording of test elements

You need to manually record the test elements, such as environment, temperature and humidity, test material information, test method, etc., and set the instruments according to the test requirements, start the test.

Start test and just leave, the operator can monitor the test from app, until mobile phone alarms to re-test or stop the tests.

## Monitoring of the testing process

The operators have to stay with the instruments to monitor the test status and wait for the ending of tests.

The system automatically calculates the test results, just confirm them.

## Calculation of test results

Manually record and calculate the test results.

Only need to confirm the report results and share them to all parties concerned in 1 minute.

## Summary of test results and sharing

1 person is in charge of grouping a series of test reports and the other needs to input all the info into computer and print out them, then send to all parties concerned.

Time : 20 minutes

All the test results and pictures even videos are saved in the computer that eases the big data analysis.

## Analysis of big data

The test results are recorded on the papers. It is very hard to do big data analysis.

What's more, you can get the instrument calibration guide and maintenance service, consumable supply, as well as massive testing knowledge only by one-click on SmarTexLab. Test Smart Now!



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