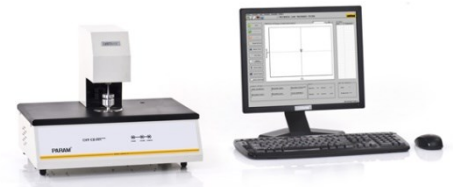


## Professional

CHY-CB Thickness Tester is designed based on the mechanical contacting method, which effectively ensures standard and accurate test data. The instrument strictly conforms to multiple national and international standards.

- Contact area and pressure are strictly designed according to standard requirements, while customization is also available
- Automatic lifting presser foot facilitates to minimize system errors that caused by human factors during the test
- Manual or automatic operating mode for convenient test
- Displays the real-time data of maximum, minimum, average and standard deviation value for data analysis
- Equipped with standard block for system calibration to ensure uniform and accurate test data



## High-end

This instrument utilizes Labthink's latest embedded computer control system, which provides a better performance than traditional single chip system.

- Embedded computer control system provides safer and more reliable data management as well as test operation
- The system can be operated easily by a standard monitor, a mouse and a keyboard; without requiring a PC.
- The system is equipped with four USB ports and dual Internet ports for convenient input, output and data transfer.

## Intelligent

The instrument is equipped with Labthink's latest intelligent operating software, with user-friendly operating interface and intelligent data management. It also supports Lystem™ Lab Data Sharing System, which ensures uniform management of test results and test reports.

- Intelligent reminding of sensor calibration
- Embedded help document for user viewing at any time
- Multi-level account control for better data management and protection
- The system utilizes embedded data saving technology to save detailed information and provide convenient and various searching and viewing functions
- One time value input and the system automatically gives data comparison after each test
- Calibration data recovery function to reduce mistaken operation affects
- Supports Lystem™ Lab Data Sharing System for uniform and systematic data management

## Standards

This test instrument conforms to the following standards:

ISO 4593, ISO 534, ISO 3034, GB/T 6672, GB/T 451.3, GB/T 6547, ASTM D374, ASTM D1777, TAPPI T411, JIS K6250, JIS K6783, JIS Z1702, BS 3983, BS 4817

## Applications

This instrument is applicable to the precision determination of thickness of:

<b>Basic Applications</b>	Films, Sheets and Diaphragms
	Paper and Paper Board
	Foils and Silicon Wafers
	Metal Sheets
	Textiles and Non-woven Fabrics, e.g. baby diapers, sanitary towels and other sheeting
	Solid Electrical Insulating Materials
<b>Extended Applications</b>	Extended Test Rang of 5 mm and 10 mm
	Curved Presser Foot

## Technical Specifications

Specifications	CHY-CB
<b>Test Range</b>	0~2 mm (standard); 0~6 mm,12 mm (optional)
<b>Resolution</b>	0.1 μm
<b>Test Speed</b>	10 times/min (adjustable)
<b>Test Pressure</b>	17.5±1 KPa (Film); 50±1 KPa (Paper)
<b>Contact Area</b>	50 mm <sup>2</sup> (Film); 200 mm <sup>2</sup> (Paper)
	Note: Select one presser foot for film or paper; Customization is available.
<b>Instrument Dimension</b>	461 mm (L) x 334 mm (W) x 357 mm (H)
<b>Power Supply</b>	AC 220 V 50 Hz
<b>Net Weight</b>	37 kg

## Configurations

<b>Standard Configurations</b>	Mainframe, Monitor, Keyboard, Mouse and Standard Block
<b>Optional Parts</b>	Presser Foot, Extra Pressurizing Weight, Lystem™ Lab Data Sharing System and Printer (compatible with PCL3)

**Please Note:** Labthink is always dedicated to the innovation and improvement of product performance and function. Therefore, technical specifications are subject to change without further notice. Please visit our website at [www.labthink.com](http://www.labthink.com) for the latest updates. Labthink reserves the rights of final interpretation and revision.