

CHY-CA Thickness Tester is designed based on the mechanical contacting method, which effectively ensures standard and accurate test data and applicable to thickness test of plastic films, sheets, diaphragms, paper, foils, silicon wafers and other materials within specified range.



Professional Technology

- 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
- Automatic specimen feeding, specimen feeding interval, number of testing points and specimen feeding speed could be preset by the user
- Displays the real-time data of maximum, minimum, average and standard deviation value for data analysis
- Automatic statistics and printing functions are available which is convenient for the user to obtain the test results
- Equipped with standard block for system calibration to ensure uniform and accurate test data
- The instrument is controlled by micro-computer with LCD display, PVC operation panel and menu interface
- Equipped with RS232 port which is convenient for data transfer
- Supports Lystem™ Lab Data Sharing System for uniform and systematic management of test results and test reports

Test Standards

This instrument conforms to multiple national and international standards:
 ISO 4593, ISO 534, ISO 3034, ASTM D374, ASTM D1777, TAPPI T411, JIS K6250, JIS K6783, JIS Z1702, BS 3983, BS 4817, GB/T 6672, GB/T 451.3, GB/T 6547

Applications

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

Basic Applications	Plastic 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
Extended Applications	Extended Test Range of 5 mm and 10 mm
	Curved Presser Foot

Technical Specifications

Specifications	CHY-CA
Test Range	0~2 mm (standard); 0~6 mm, 12 mm (optional)
Resolution	0.1 μ m
Test Speed	10 times/min (adjustable)
Test Pressure	17.5 \pm 1 KPa (Film); 50 \pm 1 KPa (Paper)
Contact Area	50 mm ² (Film); 200 mm ² (Paper)
Note: Select one presser foot for film or paper; customization is available.	
Specimen Feeding Interval	0 ~ 1000 mm
Specimen Feeding Speed	0.1 ~ 99.9 mm/s
Instrument Dimension	461 mm (L) x 334 mm (W) x 357 mm (H)
Power Supply	AC 220V 50 Hz
Net Weight	32 kg

Configurations

Standard Configurations	Mainframe and One Standard Block
Optional Parts	Professional Software, Communication Cable, Presser Foot and Weight

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 for the latest updates. Labthink reserves the rights of final interpretation and revision.