

i-Flexdura 9100 is professionally applicable to the determination of flex durability of flexible films, composite films, and coating films. The instrument can simulate the kneading and creasing behaviors of films happened during production, processing and transportation. The flex durability would be obtained by measuring the changes in number of pinholes or barrier properties after test, which could provide quantitative basis for package design and practical usage.



## Functionality

- 5 standard test modes and 4 specimen stations support various combinations of non-standard test conditions
- Quick switch between long and short strokes improves the test efficiency
- Application of servo motor further ensures the accuracy of test results
- Dual protection for hardware and software as well as auto reset provides a safe operating environment for customers
- The instrument is controlled by micro-computer, with LCD, menu interface and PVC operation panel.
- Equipped with micro-printer for convenient data transfer

## Test Standards

This instrument conforms to the standard: ASTM F392

## Applications

This instrument is applicable to the determination of flex durability of:

<b>Basic Applications</b>	Flexible Films, Composite Films and Coating Films	Including plastic films, sheets and composite films e.g. composite films, aluminized films, aluminum plastic composite films, nylon films and coating films for food or drug packages
	Paper Materials	Test the flex durability of paper materials.

## Technical Specifications

Items	Specifications
<b>Flex Frequency</b>	45/minute
<b>Flex Angle</b>	440° or 400°
<b>Horizontal Stroke</b>	155 mm or 80 mm
<b>Number of Stations</b>	4
<b>Number of Specimens</b>	1 ~ 4
<b>Specimen Size</b>	280 mm x 200 mm
<b>Instrument Dimension</b>	715 mm (L) x 415 mm (W) x 645 mm (H)

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<b>Power Supply</b>	AC 110V 60Hz
<b>Net Weight</b>	85 kg

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## Configurations

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<b>Standard Configurations</b>	Mainframe and Micro-printer
<b>Optional Parts</b>	Sample Cutter and Stainless Steel Positioning Ring

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### Please Note:

- ❖ Pictures used are for illustration purposes only and may differ from the actual product received.
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