

## Elcometer 4340 Motorised / Automatic Film Applicators



Elcometer 4340 Motorised Film Applicator

### At a glance:

- 11 preset transverse speeds from 0.5 - 10cm per second
- Sample temperature control option
- Smooth aluminium table - much smoother than glass - for better repeatability
- Wide range of standard and high precision perforated and channelled vacuum tables
- Adjustable travel carriage with 'stop' at end of travel

Can be used in accordance with:  
ASTM D 823-C

- **Interchangeable head attachments:**  
Easily switched between film applicators
  - Spiral Bar Head Attachment
  - Standard Applicator Head Attachment
  - Combined Spiral/Standard Head Attachment
- **Durable and rugged:**  
Sturdy rigid design to ensure minimal movement during film application. Up to 15 years of standard use.
- **Choice of bed:**
  - Standard flat table
  - Single channel vacuum table
  - Double channel vacuum table
  - Perforated vacuum table
- **Smooth & multiple concurrent tests:**
  - Use up to 3 film applicators simultaneously
  - Test up to 2 Leneta test charts simultaneously
  - Able to test up to 2 test areas on perforated tables

An essential machine for preparing a wide variety of product samples including paint, varnish, cosmetics, glue, etc, with total consistency and reproducibility on various substrates including contrast charts, sheet steel, plastic foils and glass. All Elcometer 4340 models have 11 pre-set speeds and adjustable stroke length with quick release system.

The Elcometer 4340 Motorised Film Applicators are versatile, rugged and precise. The rigid construction ensures a smooth, consistent application without the ridges often associated with film application.

The Elcometer 4340 range of motorised Film Applicators comes as one universal base with user selectable head attachments - allowing the flexibility to test using standard film applicators (filmographs), spiral bar coaters or using the combined attachment of both the film applicator and spiral bar attachment.

Each table is engineered to the highest flatness rating (up to five times flatter than glass), and can be supplied in a number of variations to meet your specific test requirements.

### Film Application & Test Charts

For numerous products such as paint, ink, varnishes, glue and cosmetics, the reliability of many laboratory tests is directly related to the quality of the samples prepared from it.

It is absolutely essential that any measurements made on such coatings, whether for the purpose of describing their appearance or their physical properties (colour, gloss, hiding power, drying time, etc), are made on the basis of uniform and comparable samples with precisely controlled thickness.

In order to meet such specific demands, Elcometer has a wide range of high quality, high precision film applicators and motorised film applicators for greater repeatability and reproducibility when undertaking a large number of sample tests.

Elcometer also offer a wide range of Leneta Test Charts – the market standard – to meet all your specific requirements




TECHNICAL SPECIFICATION	
<b>Dimensions</b>	600 x 470 x 305mm (23.6 x 18.5 x 12.6")
<b>Weight</b>	29kg (64lb)
<b>Part Number</b>	Please refer to the table below
<b>Packing List</b>	Elcometer 4340 Motorised Film Applicator, power cable(s) and operating instructions.

Part Number	Voltage	Test Chart Clip	Standard Table	Vacuum Table			Heating Equipment	
				Perforated <sup>a</sup>	Single Channel <sup>a</sup>	Double Channel <sup>a</sup>	Temperature Bath <sup>b</sup>	Electrically Heated <sup>c</sup>
K4340M10-	110 – 240V	✓	✓					
K4340M11-	110 – 240V	✓	✓				✓	
K4340M12-	220 - 240V	✓	✓					✓
K4340M12-D	110V	✓	✓					✓
K4340M100	110 – 240V	✓		✓				
K4340M101	110 – 240V	✓			✓			
K4340M102	110 – 240V	✓				✓		
K4340M110	110 – 240V	✓		✓			✓	
K4340M111	110 – 240V	✓			✓		✓	
K4340M112	110 – 240V	✓				✓	✓	
K4340M120	220 – 240V	✓		✓				✓
K4340M120D	110V	✓		✓				✓
K4340M121	220 – 240V	✓			✓			✓
K4340M121D	110V	✓			✓			✓
K4340M122	220 – 240V	✓				✓		✓
K4340M122D	110V	✓				✓		✓

<sup>a</sup> Vacuum pump supplied separately

<sup>b</sup> 15 to 100°C (59 to 212°F). Supplied ready to be fitted with a temperature bath. Temperature bath is not supplied.

<sup>c</sup> Ambient to 200°C (392°F)

ATTACHMENTS	
A range of applicator head attachments is available separately, allowing the user to select the most appropriate for their specific use and Standard (if applicable)	
	<p><b>Film Applicator Attachment</b>                      Supplied with weight and hexagonal wrench                      For Models M10-, M100, M101, M102 <span style="float: right;">KT004340N001</span>                      For Models M11-, M12-, M110, M111, M112, M120, M121, M122 <span style="float: right;">KT004340N101</span></p>
	<p><b>Spiral Bar Coater Attachment</b>                      Supplied with weights (x2), hexagonal wrench, rubber mat (x2) and zero bar                      For Models M10-, M100, M101, M102 <span style="float: right;">KT004340N002</span>                      For Models M11-, M12-, M110, M111, M112, M120, M121, M122 <span style="float: right;">KT004340N102</span></p>
	<p><b>Combined Film Applicator &amp; Spiral Bar Coater Attachment</b>                      Supplied with weights (x3), hexagonal wrench, rubber mat (x2) and zero bar                      For Models M10-, M100, M101, M102 <span style="float: right;">KT004340N003</span>                      For Models M11-, M12-, M110, M111, M112, M120, M121, M122 <span style="float: right;">KT004340N103</span></p>

<b>VACUUM PUMPS</b> <i>(Used to provide vacuum to the vacuum tables)</i>	
Vacuum Pump, UK 240V	KTUK4930M001
Vacuum Pump, EUR 220V	KT004930M001
Vacuum Pump, US 110V	KTUS4930M001

## Related Products



**Elcometer Film Applicators:**  
Elcometer offers a comprehensive range of film applicators which include:

- Baker Film Applicators
- Bird Film Applicators
- Casting Knife Film Applicators
- Doctor Blade Film Applicators
- Cube Film Applicators
- Micrometric Film Applicators



Elcometer 4360 & 4361

**Elcometer 4360 & 4361 Spiral Bar Coaters:**  
Made of stainless steel and consisting of a cylindrical bar wound with stainless steel wire, these spiral bar coaters are used to apply a pre-determined thickness for coatings with high levelling characteristics.



Elcometer 4695

**Elcometer 4695 Leneta Test Charts:**  
Elcometer supplies a wide range of Leneta Test Charts from plain white to those having different patterns of black and white.

**Local Distributor: Syntech Surface Finishing Specialists**  
PO Box 19341, 12B Saunders Place, Avondale,  
Auckland, NEW ZEALAND  
Phone: +64 9 820 2121, Fax: +64 9 820 0101  
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