

Film Application

Elcometer 4340

Motorised/Automatic Film Applicator

The Elcometer 4340 Motorised Film Applicator is the essential machine for preparing a wide variety of product samples including paint, varnish, cosmetics and glue.

11 pre-set transverse speeds
from 0.2 - 3.9 inches per second

Ideal for testing liquids including:
paint, varnish, cosmetics, glue

Adjustable travel
carriage with 'auto stop'
at end of travel

Precision engineered flat aluminium
table for better repeatability
- 5 times flatter than glass

Heavy base unit to minimise vibration and
to produce high quality samples, without
"Vibration ridges"



elcometer
inspection equipment

Paint & INSPECTION
Gauges
Anticorrosion

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Motorised/Automatic Film Applicator

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STANDARDS:
ASTM D 823-C

Standard table & perforated or channelled vacuum tables available

Electric or water heated sample tables available for temperature control



Each table is engineered to the highest flatness rating



Use up to 3 film applicators simultaneously



11 pre-set speeds and adjustable stroke length - from 5-150mm (0.2 - 5.9")

Can be used with a full range of Elcometer Film Applicators,

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.

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The Elcometer 4340 provides total consistency and reproducibility on various substrates including contrast charts, sheet steel, plastic foils and glass.

STANDARDS:
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 & Rugged

- Sturdy rigid design to eliminate vibration during film application
- Up to 15 years of standard use



Choice of Bed

- Standard flat table
- Single and double channelled vacuum tables
- Perforated and heated vacuum tables



Smooth & multiple concurrent tests

- Use up to 3 film applicators simultaneously
- Test up to 2 test charts simultaneously

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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).

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, simply select the model from the Technical Specification below.



Film Applicator Attachment



Spiral Bar Attachment



Combined Film Applicator and Spiral Bar Attachment

Technical Specification

C

Part Number	Test Chart Clip	Standard Table	Perforated Vacuum Table [†]	Single Channel Vacuum Table [†]	Double Channel Vacuum Table [†]	High Speed	Water Heated Temperature* +15 to 100°C (59 to 212°F)	Electrically Heated Ambient to 200°C (Ambient to 392°F)	Certificate
K4340M10-	■	■							○
K4340M11-	■	■					■		○
K4340M12-‡	■	■						■	○
K4340M13-‡	■	■				■			
K4340M100	■		■						○
K4340M101	■			■					○
K4340M102	■				■				○
K4340M110	■		■				■		○
K4340M111	■			■			■		○
K4340M112	■				■		■		○
K4340M120 ‡	■		■					■	○
K4340M130 ‡	■		■			■		■	
K4340M121 ‡	■			■				■	○
K4340M122 ‡	■				■			■	○
Dimensions	780 x 490 x 320mm (30.7 x 19.3 x 12.6")								
Weight	29kg (64lb)								
Packing List	Elcometer 4340 Film Applicator, 3x mains leads (UK, EUR & US) and operating instructions								

Motorised Film Applicator Attachments

Models

M10-, M100, M101, M102 M11-, M12-, M110, M111, M112, M120, M121, M122

KT004340N001 KT004340N101 Film Applicator Attachment

KT004340N002 KT004340N102 Spiral Bar Coater Attachment[#]

KT004340N003 KT004340N103 Combined Film Applicator & Spiral Bar Coater Attachment[#]

‡ For 110V unit, add D to end of part number, e.g. K4340M120D

Each Spiral Bar Coater Attachment is supplied with a rubber mat

+ Vacuum Pump supplied separately (Elcometer 4930, see page17-6)

* Supplied ready to be fitted with a temperature bath. Temperature bath is not supplied

○ Optional Calibration Certificate available.