

# Film Applicator COATMASTER 510 Basic-G/V



*Fig. Mod. 510 Basic-G*



*Fig. Mod. 510 Basic-V*

testing equipment for quality management

**ERICHSEN**  
since 1910

Technical Description

**variety of  
accessories**

***reliable  
accurate  
reproducible***

## Purpose and Application

A motorised film applicator is used in cases where

- a surface has to be covered with an absolutely uniform film,
- reliable information is needed on the relationship between the wet and the dry film thickness,
- a large number of exactly identical samples has to be produced.

All kinds of inevitable inaccuracies when applying films manually, are avoided by using the **automatic drawing method**.

### **Typical users are:**

The lacquer and paint industry, especially for the research / development / quality control of many different products.

Generally universities / academies as well as institutes studying high sensitive facts within the scope of their research and development projects requiring an optimally controlled film application, i.e. in the research of solar cells, fuel cells and accumulators as well as in the medical technology and research.

## Design and Function

### **BASIC UNIT**

The Film Applicators are compact testing instruments equipped with a foil keyboard. The use of appropriate accessories means that they can be used as high-precision film applicators.

The microprocessor-controlled, precisely graded step motor drive engineering guarantees an extremely uniform accomplishment as well as an excellent repeatability of all processes set.

- Variable application path up to approx. 400 mm.
- Individually programmable start position.
- Freely selectable drawn down speed in the range of 10 - 100 mm/s.
- Automatic quick return by key press.
- Film applicator symmetrically working in both directions.

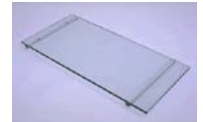
An ejector (vacuum generator to be operated with compressed air) for model **510 Basic-V** is integrated for connection to the vacuum suction plate included in the scope of delivery.



## ACCESSORIES

The user can equip the Film Applicators **COATMASTER 510 Basic** with the accessories which comply with the special application requirements and test purposes. In this respect the following accessories are available:

- Glass plate as specimen carrier or direct film substrate.



### **Assembly Attachments**

To mount the film applicators to the COAT-MASTER appropriate supports are required, except for Models 288/230 mm, 411/220 mm and 421/I and 421/II. For more details please refer to our Price List No. 510.

### **Foils and Charts:**

- Plastic foils, system Leneta®
- Contrast charts with chess board pattern or large black/white fields, as well as several other designs (Mod. 451).



### **Various Film Applicators:**

- Film Applicator System Wasag, Model 288, width: 80, 120, 180 or 230 mm



- Spiral Film Applicator, Model 358, width: 80, 150 or 220 mm



- Quadruple Film Applicator, Model 360, width: 13, 40, 60 or 90 mm



- Film Applicator MULTICATOR 411, width: 80, 150 or 220 mm



- Levelling Test Blade and Sag Tester, Model 419



- Staggered-Gap Film Applicator, Model 421/I, 10 films each 20 mm wide
- Staggered-Gap Film Applicator, Model 421/II, 6 films each 35 mm wide



For more detailed information on the film applicators please refer to the individual leaflets 288/358/360/411/421/E as well as 419/E.

## Technical Data

### Models 510 Basic G and 510 Basic-V:

Dimensions (approx)	L	610 mm
	W	425 mm
	H	210 mm

Net weight: approx. 23 kg

Power supply: 100 - 240 V, 50 - 60 Hz  
via wide-range power supply unit

Application path: 400 mm

Drawn-down speeds: Freely adjustable in the range of 10 - 100 mm/s

Order Information	
Ord.-No.	Product-Description
03300131	Film Applicator <b>COATMASTER 510 Basic-G</b> microprocessor controlled, incl. glass plate pane and attachment assembly for doctor blade (application path 400 mm)
03300231	Film Applicator <b>COATMASTER 510 Basic-V</b> microprocessor controlled, incl. ejector, vacuum plate attachment assembly for doctor blade (application path 400 mm)
<i>The scope of supply includes:</i> - basic unit - wide-range power supply unit - operating manual	

### ATTENTION:

The basic unit is not functional without the appropriate accessories. It is therefore **necessary to order the appropriate accessories** (glass plate, applicator, test tools etc.) with the basic unit in order to carry out the required tests

For further details as well as the **necessary accessories** please refer to our current price list no. 510.

Subject to technical modifications.  
Gr. 8 - TBE 510 Basic – VIII/2020