

TQC Automatic Film Applicator Compact

(AB3650, AB3655)

Product Description

The AFA Compact is an entry level film applicator that accepts charts up to A4 size. Application speed can be set from 1 to 150 mm/s. The Compact is suitable for both wire bar applicators and block applicators. Operating is easy through the standard TQC operating interface. The AFA Compact is available with a glass bed or a perforated vacuum bed.

Features

- Charts up to A4 size max.
- Application speed 1 / 150 mm/s
- Application speed infinitely adjustable
- Compatible with a large range of application tools
- Easy intuitive operating interface with Triple i Control (Intelligent Illumination Interface)
- Removable Drip Pan
- Safe 24V powered

Business

Coating Laboratories, Paint Production, Surface Finishing, Powder Coating.

Standards

ASTM D823

Scope of Supply

- TQC Automatic Film Applicator Compact
- 24V Adapter
- Paper Holder
- Drip Pan
- Weight
- Manual

Only supplied with AB3650:

- Glass Bed
- Rubber Mat

Only supplied with AB3655:

- Vacuum Bed
- Hose (1m)

Specifications

Technical Data

Traverse speed:	1 - 150 mm/s / 0.03 - 5.90 in
Traverse speed accuracy:	< 1%
Stroke length:	250 mm / 9.84 in
Stroke length accuracy:	< 1 mm (0,025 mm/step) / < 0.03 in

Max. test chart size:	DIN A4
Max. test substrate thickness:	8 mm / 0.31 in incl. coating
Max. width alternative film applicators:	200 mm / 7.87 in
Max. test panel size (all models)*:	300 mm x 200 mm x 8 mm / 11.81 x 7.87 x 0.31 in
(height is incl. coating)	
Max. height alternative film applicators:	40 mm / 1.57 in
Min. Wire bar length:	> 220 mm / > 8.66 in
Wire bar diameter:	6 - 12,7 mm / 0.23 - 0.5 in
Volume drip pan:	30 ml

Drawn down speeds:	1 - 150 mm/s free selectable
--------------------	------------------------------

Min. vacuum:	-100 mbar required for vacuum model
Diameter vacuum holes:	1.3 mm / 0.05 in
Distance between vacuum holes:	22 mm / 0.86 in
Number of vacuum holes:	117
Vacuum connection:	6 mm / 0.23 in quick connect

Dimensions and Weight

Depth:	335 mm / 13.18 in
Width:	400 mm / 15.74 in
Height:	190 mm / 7.48 in
Net weight:	12,5 kg / 27.55 lbs

Basic Unit

Power Supply:	24 VDC
Power consumption:	Max. 40 Watt
Display:	128 x 64 pixels graphic, 70 mm x 40 mm white illuminated
Menu languages:	English
Control:	5-key navigation switch

Ordering Information

AB3650	TQC Automatic Film Applicator Compact (Glass Bed)
AB3655	TQC Automatic Film Applicator Compact (Vacuum Bed)

Accessories

Vacuum Pumps

AB3675	Vacuum Pump, 23 l/min, 1750rpm 115VAC
AB3676	Vacuum Pump, 18 l/min, 1450rpm 230VAC

Optional Weight

AB3680	Optional Weight 250 g
---------------	-----------------------

Wire Bar Coaters

AB3720	Wire Bar Coater 4µm, film width 230mm, total width 290mm
AB3721	Wire Bar Coater 6µm, film width 230mm, total width 290mm
AB3722	Wire Bar Coater 8µm, film width 230mm, total width 290mm
AB3723	Wire Bar Coater 10µm, film width 230mm, total width 290mm
AB3724	Wire Bar Coater 12µm, film width 230mm, total width 290mm
AB3725	Wire Bar Coater 14µm, film width 230mm, total width 290mm
AB3726	Wire Bar Coater 16µm, film width 230mm, total width 290mm
AB3727	Wire Bar Coater 20µm, film width 230mm, total width 290mm
AB3728	Wire Bar Coater 24µm, film width 230mm, total width 290mm
AB3729	Wire Bar Coater 30µm, film width 230mm, total width 290mm
AB3730	Wire Bar Coater 34µm, film width 230mm, total width 290mm
AB3731	Wire Bar Coater 38µm, film width 230mm, total width 290mm
AB3732	Wire Bar Coater 40µm, film width 230mm, total width 290mm
AB3733	Wire Bar Coater 50µm, film width 230mm, total width 290mm
AB3734	Wire Bar Coater 56µm, film width 230mm, total width 290mm
AB3735	Wire Bar Coater 60µm, film width 230mm, total width 290mm
AB3736	Wire Bar Coater 76µm, film width 230mm, total width 290mm
AB3737	Wire Bar Coater 100µm, film width 230mm, total width 290mm
AB3738	Wire Bar Coater 120µm, film width 230mm, total width 290mm
AB3739	Wire Bar Coater 150µm, film width 230mm, total width 290mm
AB3740	Wire Bar Coater 200µm, film width 230mm, total width 290mm
AB3741	Wire Bar Coater microns on request, film width 230mm, total width 290mm
AB3742	Wire Bar Coater plain polished, film width 230mm, total width 290mm

Spare Parts

AB3670	Spare Glass Bed for Automatic Film Applicator Compact
AB3667	Spare Vacuum Bed for Automatic Film Applicator Compact
AB3670	Spare Glass Bed for Automatic Film Applicator Compact
AB3657	Spare Drip Pan
AB3662	Spare Paper Support

A large range of applicators are suitable for the TQC Automatic Film Applicator Compact. For more information about the applicators we refer you to our website.

Use

The TQC Automatic Film Applicator Compact has a Triple i controlled running operation. Check the manual for full details.

Special Care

- Always clean the instrument after use.
- Do not use compressed air to clean the instrument.
- Never perform repairs or service to the instrument yourself. This should be done by TQC or selected distributors.

Safety Precautions

- Always make sure the instrument is connected to an earthed socket.
- Maintenance and inspection should be carried out at the correct intervals.
- Operating personnel should be informed before starting with maintenance or repair work.
- Always make sure the instruments power is turned off and the instrument is not connected to a socket while adjusting any electrical component whenever maintenance, inspection or repair work is done.
- Do not open the instrument. In case of malfunction always consult the manufacturer.

Disclaimer

The right of technical modifications is reserved.

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.