

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

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|---|---|
| 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)*: (height is incl. coating) | 300 mm x 200 mm x 8 mm / 11.81 x 7.87 x 0.31 in |
| 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

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|-------------|---------------------|
| 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

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|--------------------|--|
| 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

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

Accessories

Vacuum Pumps

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

Optional Weight

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|---------------|-----------------------|
| AB3680 | Optional Weight 250 g |
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Wire Bar Coaters

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| 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

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|---------------|--|
| 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.

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