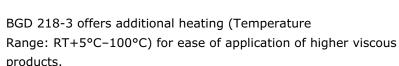


BGD 218-3

Product Description

BGD 218-3 Automatic Film Applicator (250mm) with heating function

The automatic film applicators, models BGD 218 and BGD 219, provide chemists with a convenient tool for precisely applying coating films on various substrates. This automation reduces and eliminates errors associated with manual processes. The key factors influencing the draw-down process include the shear rate and downward force applied to the applicator tool. The automatic film applicator significantly enhances the reproducibility of paint films.





Technical Specification

Differentiating from traditional products, the BGD 218 and BGD 219 models offer the following features:

- Adjustable variable speed: 5mm/s ~ 500mm/s
- High precision linear guide bar ensuring stable draw-down speed
- Adjustable height of the applicator pusher to accommodate different substrates
- Well-designed bracket for easy and straightforward operation, suitable for easily bent substrates with the ability to add any load during application
- Freely set starting points, making it suitable for substrates of different sizes
- Four selectable application distances
- Compatible with all Solvica's applicators and wire bars of different types and size
- Improved repeatability for film application:
- For BGD 218: Special precise machining vacuum suction-glass plate with high smooth precision (whole plate flatness less than 5 microns) and special hardening treatment, ensuring smooth and tight adsorption of various substrates.
- For BGD 219: Special precise machining glass plate with high smooth precision (whole plate flatness less than 20 microns), easy to clean.
- Optimal design for the vacuum plate to ensure uniform suction power (only for BGD 218).



BGD 218-3

 External vacuum i 	pump eliminates all	vibrations by placi	na the pumi	o outside the machine	(only	for BGD 218).
Excernal vacaam	parrip cirriniaces an	TIBLACIONS BY PIACE	ing circ pairing	o decorde tire irraerimie	(,	



BGD 218-3

Main Technical Parameters

Model	BGD 218/1	BGD 218/2	BGD 218/3	BGD 219		
Method of fixing substrate	Vacuum adsorption			Clamp		
Application Platform	Hard anodic	Glass				
Draw down bed size (mm)	360 x 250	360 x 250 490 x 250 360 x 250		400 x 220		
Draw down vacuum bed size with holes (mm)	290 x 190	410 x 190	290 x 190	N/A		
Max. Application Length (mm)	250	375	250	280		
Adjustable Draw Down Speed	5mm/s~500mm/s		2mm/s~100mm/s	5mm/s~500mm/s		
Carriage holder weight	500g x pcs (1kg or 1.25 kg is optional)					
Total power	370W		750W	50W		
Temperature Range		-	RT+5°C~100°C	-		
Temperature Uniformity	-		±5°C	-		
Power Source	220V/50Hz					
Weight (kg)	40	46	42	25		
Overal size, excluding vacuum pump LxWxH (mm)	500x345x340	635x345x340	500x345x340	550x320x340		

Accessoires

- BGD 205-Series BGD 205 Four-sided applicators 160 mm width
- BGD 212 Series BGD 212 Wire Bar Coaters: Width 200mm, Ø10mm



BGD 218-3

Disclaimer

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