

Automatic Film Applicator

Automatic Film Applicator enables experimental chemists to conveniently draw down precise coating film on the different substrates so as to reduce and eliminate errors caused by manual factors. Factors affecting the draw down are the shear rate and downward force applied to the applicator tool. It greatly improves the reproducibility of paint film.

BGD 218 and BGD 219 are the newest automatic film applicators, comparing the traditional products, they have:

- ◆ Adjustable variable speed: 2~100mm/s
- ◆ High precision linear guide bar and direct current motor without carbon brush. Making the draw down speed more stable.
- ◆ Reasonable design bracket, easily and simply operated, and can add any load to apply on easily bent substrates.
- ◆ Can set the starting point freely, is suitable for different size substrates
- ◆ Four types application distance can be selected freely.
- ◆ Applicable to all Biuged's different type and size applicators and wire bars
- ◆ Better repeatability for applying film:

For BGD 218: special precise machining vacuum suction-gas plate with high smooth precision (Whole plate 's flatness is less than 5 micron) and special hardening treatment, ensure all kinds of substrat could be adsorbed smoothly and tightly.

For BGD 219: Special precise machining glass plate with high smooth precision (Whole plate 's flatness is less than 20 micron) ,easy to clean.

◆ Optimal design for vacuum plate to ensure suction power is distributed uniformly (only BGD 218) .

◆ External vacuum pump eliminate all shake coming from traditional structure (put pump into machine) (only BGD 218) .



BGD 218/1



BGD 218/3



BGD 219
(Touch screen)

Ordering Information → Technical Parameters ↓	BGD 218/1	BGD 218/2	BGD 218/3 (With Heating)	BGD 219
Method of fixing substrate	Vacuum adsorption			Clamp
Draw down vacuum bed size	360 mm × 250 mm	490 mm × 250 mm	360 mm × 250 mm	400mm × 220mm
Draw down vacuum bed size with hole	290 mm × 190mm	410 mm × 190mm	290 mm × 190mm	---
Max. application length	250mm	375mm	250mm	280mm
Draw down speed	2~100mm/s (adjustable variable speed)			5~100mm/s
Carriage holder weight	500g × 2 (1000g or 2000g is optional)			
Total Power	370W		750W	50W
Temperature Range	----		RT+5°C ~ 100°C	---
Temperature Uniformity	----		± 5°C	---
Power Source	220V; 50Hz			
Weight	40KG	46KG	42KG	25KG
Overall Size (No vacuum pump) (L × W × H)	500 × 345 × 340mm	635 × 345 × 340mm	500 × 345 × 340mm	550 × 320 × 340mm

Note: Biuged also customzie this machine with heating function