

Automatic Film Applicator (New)

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 218/1S and BGD 219/S are the newest automatic film applicators, comparing the traditional products, they have:

- ◆ Adjustable variable speed: 5mm/s ~500mm/s
- ◆ High precision linear guide rail to ensure the draw down speed be more stable.
- ◆ Reasonable design bracket, easily and simply operated, and can add any load to applicate on easily bent substrates.
- ◆ Can set the starting point freely, is suitable for different size substrates
- ◆ Application distance can be set freely.
- ◆ The coating substrate clamp is position-adjustable to fit various substrate sizes based on the test panel dimensions.
- ◆ Applicable to all Biuged's different type and size applicators and wire bars
- ◆ Better repeatability for applying film:

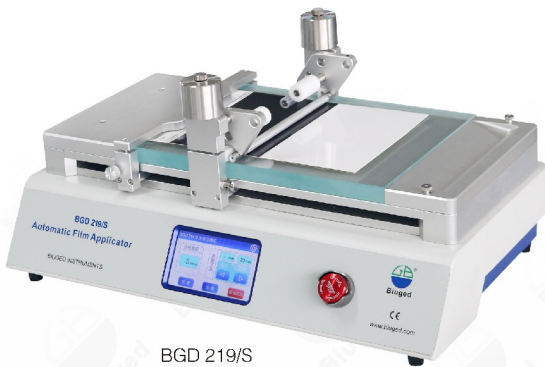
For BGD 218/1S: special precise machining vacuum suction-gas plate with high smooth precision (Whole plate 's flatness is less than 5 micron) and special hardening treatment, ensure all kinds of substrat could be adsorbed smoothly and tightly.

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

- ◆ Removable coating platform for easy cleaning and replacement
- ◆ Optimal design for vacuum plate to ensure suction power is distributed uniformly (only BGD 218/1S) .
- ◆ External vacuum pump eliminate all shake coming from traditional structure (put pump into machine) (only BGD 218/1S) .



BGD 218/1S



BGD 219/S

Ordering Information → Technical Parameters ↓	BGD 218/1S	BGD 219/S
Method of fixing substrate	Vacuum adsorption	Clamp
Applying Platform	Hard anodic oxidation aluminum with vacuum holes	Glass
Draw down vacuum bed size	340mm × 250mm	
Draw down vacuum bed size with hole	290mm × 190mm	---
Max. application Length	320mm	
Adjustable Draw down Speed	5mm/s ~ 500mm/s	
Carriage Holder Weight	500g × 2 (1KG or 1.25KG is optional)	
Total Power	370W (include pump)	50W
Power Source	220V; 50Hz	
Weight	26KG	
Overall Size (No vacuum pump) (L × W × H)	560mm × 345mm × 240mm	

Note: Biuged also customize this machine with heating function