

## Automatic Panel Spray Cabinet

Paint laboratory always needs to prepare a large amount of test panels with a uniform coating when test the paint film performance, and the testing results of film prepared by traditional manual spraying mainly depends on the operator's experience and skills. So it is not only difficult to ensure the uniformity of the coating ( especially when spraying a large area of tested panel ), but also it have a certain risk to harm operator's the health and environment because of improper spraying operation. Biuged develops this **Automatic Panel Spray Cabinet** considering this situation and combines with other products in market, which has the following advantages:

- ◆ With 10-inch touch screen, powerful visual operation.
- ◆ The machine applied servo control system, the horizontal, vertical or cross spraying methods can be selected. The panel holder can rotate 90 degrees, which makes the coating more uniform. And the spraying area can be set freely, which will reduce the waste and save spraying time.
- ◆ User can set the parameters such as spraying speed, spraying pressure, atomizing, feeding and interval, etc. User also can edit and preset up to 8 spraying programs, which will help the operators who are not familiar with spraying operation to complete spraying with one key.
- ◆ The panel holder is easy to be disassembled, and panels can be quickly replaced. With magnetic panel holder and vacuum panel holder, the machine can be used for substrates of different materials.
- ◆ Equipped with imported Graco LVMP automatic spray gun with nozzle diameter of 1.0mm, which can adjust automatically many spray parameters such as spray range, atomizing, feeding pressure and more accurate feeding amount.
- ◆ Automatic spray gun can be assembled and unassembled quickly, convenient for user to change different spray guns
- ◆ Use disposable cups to carry sample for spraying, simple and convenient, low cost and no-clean
- ◆ Easy-to-clean design, filter and scrap tray are slide-out structure. The cabinet is designed with a three-door structure, which is convenient to clean. The container adopts the disposable bottle.
- ◆ Equipped with the filter system for working room air intake , which not only makes the spraying environment be clean and the exhaust gas of paint mist is filtered, but also keeps the operators and mist completely separated, which is healthy and environmentally friendly.
- ◆ The inner wall of the instrument is sprayed with Teflon non-stick coating, which is convenient to clean.
- ◆ Equipped with alarm system for flammable gas, the operation safety is improved.
- ◆ Equipped with the function of door limit switch. When the door is opened, the machine stops running, which can protect the safety of operators.
- ◆ With a customized special facility, use can set the required film thickness for spraying freely and the system control it automatically and precisely. (Optional)

### Main Technical Parameters:

- ★ Max. Spraying Area: 12 pcs panels with 150mm × 70mm
- ★ Gun Moving Speed: 0–1,000mm/s in horizontal direction and 0–200mm/s in vertical direction;
- ★ Spraying Distance: 100mm–300mm ( can be adjusted automatically )
- ★ System Pressure: 0–0.7MPa
- ★ Atomization Pressure: 0–0.7MPa
- ★ Overall Size: 980mm × 1000mm × 1850mm ( W × D × H )
- ★ Power Supply: 220V; 50/60HZ
- ★ Total Power: 1.5kW
- ★ Ordering Information:  
BGD 227/O---Automatic Panel Spray Cabinet ( Open type )  
BGD 227/V---Automatic Panel Spray Cabinet ( Closed type )  
BGD 227/Ex---Automatic Panel Spray Cabinet  
( Open and explosion-proof type )



BGD 227/O&BGD 227/Ex



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