

## High-speed dispersing machine

What is dispersing in the coating field? It means that in the manufacturing process solid materials are made to be distributed evenly in the liquid; in the process of dispersion, pull of particulates are broken down. The round saw tooth-type dispersion tray influenced by the electromotor will be dispersing in the container to effect the solid and liquid dispersion, moisturization, depolymerization. Its work principle description is mainly as follows:

- ◆ Make the serosity annular and cause powerful vortex, so the particulates of the serosity fall to the bottom vortex bottom,
- ◆ An 2.5-5mm eldge in the dispersion tray is formed a flow area in which the particulates are impacted intensely.
- ◆ Two beam currents outside the area are formed to make the serosiy fully circulated and turned over.
- ◆ What is below the dispersion tray is a current flow, serosity with different speed disperses mutually to effect the function of dispersion

Biuged offer many different High-speed dispersing machines,they are applicable to the stir, dissolution and dispersion of coating, paint, ink, dyestuff, cosmetic goods, foodstuff, resin, adhesive, latex, medicine, petroleum, whose speed can be adjust at will.

### Features:

- ◆ With Siemens squirrel-cage motor of frequency control (except BGD 740/1 and BGD 741/1) and use frequency converter to adjust working speed.
- ◆ Direct digits display axis revolution through display screen of frequency converter installed on the machine.
- ◆ No carbon brush, no produce any flame when working.
- ◆ Lower noise, bigger torque and wider adjustable speed.
- ◆ Main parts are all made up of stainless steel, with perfect corrosion resistance.
- ◆ Standard configuration: Two or four ( only for 550W&750W ) different dispersing baldes, and also can select different size sand-milling blades and stainless steel double jacket container for milling.
- ◆ Power Supply: 220V 50HZ



BGD 740/1



BGD 742/2



BGD 740/5



BGD 740/1-2



BGD 740/3-4



BGD 740/5



BGD 742/2-5

Scan for video

| Ordering Information           | Motor Power | Speed (r/min) | Max Torque | Lift Distance | Lift System | Come with dispersing blades size | Overall Size, mm<br>W × D × H ( Low ~ Top ) |
|--------------------------------|-------------|---------------|------------|---------------|-------------|----------------------------------|---|
| BGD 740/1                      | 550W        | 0-7,500       | 1.91N.m    | 240 mm        | Manual      | 50mm&60mm                        | 475 × 430 × 560 ~ 800                       |
| BGD 740/2                      | 750W        | 0-6,000       | 2.87N.m    | 260 mm        | Manual      | 50mm&60mm                        | 475 × 430 × 635 ~ 895                       |
| BGD 740/3                      | 1,100W      | 0-6,000       | 3.82N.m    | 320 mm        | Electric    | 60mm&80mm                        | 675 × 570 × 1180                            |
| BGD 740/4                      | 1,500W      | 0-5,000       | 5.73N.m    | 320 mm        | Electric    | 80mm&100mm                       | 675 × 570 × 1180                            |
| BGD 740/5                      | 2,200W      | 0-4,000       | 7.64N.m    | 520 mm        | Electric    | 100mm&120mm                      | 700 × 720 × 1300 ~ 1510                     |
| BGD 741/1                      | 550W        | 0-7,500       | 1.91N.m    | 300 mm        | Electric    | 50mm&60mm                        | 530 × 430 × 850 ~ 880                       |
| BGD 741/2                      | 750W        | 0-6,000       | 2.87N.m    | 300 mm        | Electric    | 50mm&60mm                        | 530 × 430 × 850 ~ 880                       |
| BGD 742/2<br>(Explosion-proof) | 750W        | 0-3,000       | 2.87N.m    | 300 mm        | Manual      | 50mm&60mm                        | 530 × 560 × 965 ~ 980                       |
| BGD 742/5<br>(Explosion-proof) | 2,200W      | 0-3,000       | 7.64N.m    | 520 mm        | Manual      | 100mm&120mm                      | 640 × 680 × 1430 ~ 1500                     |

**Note:** For 550W&750W machines, come with two 50mm ( a efficient one and a heavy-duty one each ) blades and two 60mm ( a efficient one and a heavy-duty one each ) dispersing blades

### ◆ Optional Accessories:

BGD 1408---Extend Shaft for 50mm Dispersing Blade ( For BGD 741 )  
 BGD 1409---Extend Shaft for 60mm Dispersing Blade ( For BGD 741 )  
 BGD 1410---35 mm Dispersing Blade  
 BGD 1411/S---50 mm Efficient Dispersing Blade ( For low viscosity sample )  
 BGD 1411/H---50 mm Heavy Duty Dispersing Blade ( For high viscosity sample )  
 BGD 1412/S---60 mm Efficient Dispersing Blade ( For low viscosity sample )  
 BGD 1412/H---60 mm Heavy Duty Dispersing Blade ( For high viscosity sample )  
 BGD 1413---80 mm Dispersing Blade  
 BGD 1414---100 mm Dispersing Blade  
 BGD 1415---120 mm Dispersing Blade

BGD 1416---150 mm Dispersing Blade  
 BGD 1417---200 mm Dispersing Blade  
 BGD 1450---0.3 L Dispersing Container  
 BGD 1451---0.5 L Dispersing Container  
 BGD 1452---1.25 L Dispersing Container  
 BGD 1453---3 L Dispersing Container  
 BGD 1454---5 L Dispersing Container  
 BGD 1455---10 L Dispersing Container  
 BGD 1456---20 L Dispersing Container  
 BGD 1460---Stand for Explosion-proof box

**Note:** All containers have double jacket for cooling water except BGD1450.