

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 squirrel-cage motor of frequency control 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



Ordering Information	Motor Power	Speed (r/min)	Max Torque	Lift Distance	Lift System	Come with dispersing blades size (mm)	Overall Size, mm W × D × H (Low ~ Top)
BGD 740/1	550W	0–7,500	1.91N.m	240 mm	Manual	35, 50, 60 & 80	475 × 430 × 560 ~ 800
BGD 740/2	750W	0–6,000	2.87N.m	245 mm	Manual	35, 50, 60 & 80	475 × 430 × 560 ~ 800
BGD 740/3	1,100W	0–6,000	3.82N.m	320 mm	Electric	60&80	675 × 570 × 1180
BGD 740/4	1,500W	0–5,000	5.73N.m	320 mm	Electric	80&100	675 × 570 × 1180
BGD 740/5	2,200W	0–4,000	7.64N.m	520 mm	Electric	100&120	700 × 720 × 1300 ~ 1470
BGD 741/1	550W	0–7,500	1.91N.m	300 mm	Electric	35, 50, 60 & 80	530 × 430 × 850 ~ 880
BGD 741/2	750W	0–6,000	2.87N.m	300 mm	Electric	35, 50, 60 & 80	530 × 430 × 850 ~ 880
BGD 742/2 (Explosion-proof)	750W	0–3,000	2.87N.m	300 mm	Manual	35, 50, 60 & 80	530 × 560 × 965 ~ 980
BGD 742/5 (Explosion-proof)	2,200W	0–3,000	7.64N.m	520 mm	Manual	100&120	640 × 680 × 1430 ~ 1500

The explosion-proof high-speed disperser produced by Biuged is designed to meet the highest explosion-proof standards. Its motor is equipped with a Siemens Beide explosion-proof motor (with explosion-proof certification and CCC certification), rated at IIB T4 Gb. Additionally, the explosion-proof control box features the following characteristics:

- ◆ Large-size design to meet the heat dissipation requirements of the frequency converter, equipped with an air circuit breaker.
- ◆ Explosion-proof construction with a rating of IIB T6 Gb, suitable for Zone 1 applications (unlike common products rated only for Zone 2 with Gc classification).
- ◆ The box is made of high-quality thickened carbon steel plate, with a thickness that fully complies with explosion-proof verification requirements and can undergo explosion resistance testing.
- ◆ Equipped with a motor speed adjustment knob, eliminating the need for remote or button operation, ensuring user-friendly control.

Ordering Information for Accessories

BGD 750/1-J-019---Extend Shaft for Dispersing Blade (25mm length, For BGD 741)
BGD 750/1-J-020---Extend Shaft for Dispersing Blade (40mm length, For BGD 741)
BGD 750/Z-001---35 mm Dispersing Blade
BGD 750/Z-002---50 mm Dispersing Blade
BGD 750/Z-005---60 mm Dispersing Blade
BGD 750/Z-008---80 mm Dispersing Blade
BGD 750/Z-009---100 mm Dispersing Blade
BGD 750/Z-010---120 mm Dispersing Blade
BGD 750/Z-011---150 mm Dispersing Blade
BGD 750/Z-012---200 mm Dispersing Blade
BGD 750/Z-013---50mm Super Wear-Resistant Sand-milling Blade
BGD 750/Z-014---60mm Super Wear-Resistant Sand-milling Blade
BGD 750/Z-015---90mm Super Wear-Resistant Sand-milling Blade
BGD 750/Z-016---100mm Super Wear-Resistant Sand-milling Blade
BGD 750/Z-017---130mm Super Wear-Resistant Sand-milling Blade
BGD 750/Z-018---0.3 L Dispersing Container
BGD 750/Z-019---0.5 L Dispersing Container
BGD 750/Z-020---1.25L Dispersing Container
BGD 750/Z-021---3L Dispersing Container
BGD 750/Z-022---5L Dispersing Container
BGD 750/Z-023---10L Dispersing Container
BGD 750/Z-024---20L Dispersing Container
BGD 752/2-J-011---Stand for Explosion-proof box

