

# 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 confirguration: Two different size dispersing baldes, and also can select different size sand-milling blades and stainless steel double jacket container to carry out milling function.
- ◆ Power Supply: 220V 50HZ
- ◆ 550W and 750W is bench-structure, size is 45×42×65 cm; Others are consol mode structure and size is 64×57×133 cm



BGD 740/1~2

BGD 742/2

BGD 740/3~5

Ordering Information	Motor Power	Speed (r/min)	Lift Distance	Lift System	Come with dispersing blades size
BGD 740/1	550W	0-7,500	230 mm	Spring lift by hand	50mm&60mm
BGD 740/2	750W	0-6,000	230 mm	Spring lift by hand	50mm&60mm
BGD 740/3	1,100W	0-5,000	340 mm	Electric	60mm&80mm
BGD 740/4	1,500W	0-5,000	340 mm	Electric	80mm&100mm
BGD 740/5	2,200W	0-4,000	340 mm	Electric	100mm&120mm
BGD 741/1	550W	0-7,500	300 mm	Electric	50mm&60mm
BGD 741/2	750W	0-6,000	300 mm	Electric	50mm&60mm
BGD 742/2 (Explosion-proof)	750W	0-3,000	300 mm	Spring lift by hand	50mm&60mm
BGD 742/5 (Explosion-proof)	2,200W	0-3,000	300 mm	Spring lift by hand	100mm&120mm

## ◆ Optional Accessories:

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| BGD 1410---35 mm dispersing blade        | BGD 1411---50 mm dispersing blade      |
| BGD 1412---60 mm dispersing blade        | 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 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.**