

## *HZD-series Double arm Support Bin Blender*



This machine can automatically lift, hold and lower down bin and mix materials. An automatic bin blender, with hopper mixer of variable specifications, can mix materials of multiple kinds in mass. Therefore, it is an ideal equipment for blending of pharmaceutical factories and is widely used in industries of pharmacy, chemicals and foodstuff.

### **Principle**

It consists of machine base, rotating part, driving system, lifting system, braking system and control system. During operation, hopper mixer is first pushed into the rotating part. There is a “confirm” button on touch screen. Touch it and the hopper can be lifted and held automatically. Pressure sensor drives mixing system to work after getting signals that the hopper has been held. Then material will be mixed by the mixing system in accordance with the set time and rotating speed. After certain mixing, rotating part turns to vertical and stops. At the same time, braking system works to stop mixing, and then lifting system works. Afterwards, hopper mixer is lowered down automatically and technical data is printed. At last, the hopper mixer can be pulled out and turned to the next process.

### **Features**

Rotating part (hopper mixer) is at an angle of 30° against rotating axis. Therefore, while overturning with rotating part, material in hopper mixer also moves tangentially along hopper wall. Fierce overturn and tangential movement in high speed can help achieve the best mixing effect. Fully automatic PLC control and material discharging butterfly valves of both infrared safety device and disoperation prevention device can ensure safe production. Material can be processed in the same container so that no frequent material transferring or feeding is needed to avoid dust and cross contamination, reduce waste and control material lamination. The production technique is optimized and conforms to GMP completely.

## Technical parameters

Model	Main structural dimensions								Net load		Speed	Power	Weight
	L	A	B	W	H	Ha	Hb	Hc	L	Kg	rpm	Kw	T
HZD-400	2650	1200	275	2270	1670	2450	2810	720	320	240	3-20	5.5	1.8
HZD-600	2800	1300	300	2400	1570	2520	2770	720	480	360	3-20	5.5	2
HZD-800	3000	1400	340	2600	1730	2640	2810	720	640	480	3-15	7	2.4
HZD-1000	3300	1400	400	2760	1760	2760	3140	720	800	600	3-15	7	2.8
HZD-1200	3400	1400	420	2860	1820	2800	3250	720	960	720	3-15	7	3
HZD-1500	3400	1400	430	3040	1930	3110	3450	720	1200	900	3-15	7	3.5
HZD-1800	3560	1600	450	3200	1960	3180	3560	720	1440	1080	3-15	7.9	3.6
HZD-2000	3560	1600	450	3300	2080	3380	3880	720	1600	1200	3-15	7.9	4