

## *HZD Series Automatic Lifting Hopper Mixer*



The machine can automatically complete all actions such as lifting, clamping, mixing, and lowering. Equipped with an automatic lifting hopper mixer and multiple mixing hoppers of different specifications, it can meet the mixing requirements of large quantities and multiple varieties. It is an ideal equipment for total mixing in pharmaceutical factories. At the same time, it is widely used in pharmaceutical, chemical, food and other industries

### **Working principle**

The machine is composed of a base, a rotating body, a drive system, a lifting system, a braking system and a control system. When working, push the mixing hopper into the rotating body and press the "confirm" button on the touch screen to automatically lift the mixing hopper into place and clamp it automatically. After the pressure sensor gets the clamping signal, it drives the mixing system to work, and the mixing system mixes according to the set time and speed; when the set parameters are reached, the rotating body can automatically stop vertically, and the brake system works at the same time, and the mixing ends; then Improve system work. The mixing hopper in the revolving body is lowered into position, automatically stops, and the process data is printed, and the mixing hopper is pushed out to the next process.

### **Feature**

The rotating body (mixing hopper) forms an angle of 30° with the axis of rotation. The material in the mixing hopper turns with the rotating body and moves tangentially along the wall at the same time, resulting in strong overturning and high-speed tangential movement to achieve the best It adopts PLC fully automatic control, and is equipped with an infrared safety device and a discharge disc valve with an anti-disoperation device to ensure production safety. Materials can pass through different process stages in the same container, without frequent transfer and feeding procedures. Effectively control dust and cross-contamination, reduce material loss, control material

stratification, optimize the production process, and fully meet the GMP requirements for pharmaceutical production.

Technical parameters

Model	Net Load	Mixing Speed	Total Power (Kw)	Machine Size (LxW xH)(mm)	Weight (T)
	(L)	(rpm)			
HZD-400	320	3-20	5.5	2650*1200*2450	1.8
HZD-600	480	3-20	5.5	2800*1300*2520	2
HZD-800	640	3-15	7	3000*1400*2640	2.4
HZD-1000	800	3-15	7	3300*1400*2760	2.8
HZD-1200	960	3-15	7	3400*1400*2800	3
HZD-1500	1200	3-15	7	3400*1400*2110	3.5
HZD-1800	1440	3-15	9.7	3560*1600*2180	3.6
HZD-2000	1600	3-15	9.7	3560*1600*2280	4