

HTD Series Single Column Bin Blender



The machine has the functions of automatic lifting, mixing, and lowering. Equipped with one bin mixer and multiple mixing bins of different specifications, it can meet the mixing requirements of multiple varieties and different batches. 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 column, a base, a rotating fork, a drive, a brake, and a control system. Push the mixing bin into the rotary fork frame and tighten the nut, start the control system, and raise the hopper to the mixing height and position it reliably. The drive system automatically mixes according to the set time, speed and other data. When the mixing operation is over, the rotary fork frame stops vertically, the bin automatically drops to the ground, the whole machine stops, and the process data is printed. Loosen the lock nut of the swing fork frame and push the bin out to the next process.

Feature

This machine is a new model successfully developed by our company that has extensively absorbed and digested foreign advanced technology and combined with national conditions. After the mixing is completed, the hopper can continue to be raised to the height of the technological requirements for easy discharging. The whole machine has reasonable structure, stable performance and convenient operation. No dead ends, no exposed screws. The rotating body (mixing bin) forms an angle of 30° with the axis of rotation. The material in the mixing bin turns with the rotating body and moves tangentially along the wall at the same time, resulting in strong turnover and high-speed tangential movement to achieve the best The mixing effect. It adopts PLC fully automatic control, and is equipped with an infrared safety device and a discharge valve disc

with an anti-disoperation device to ensure complete production. 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 comply with the GMP for pharmaceutical production.

Technical parameters

Model	Net Load	Mixing Speed	Total Power (Kw)	Machine Size (LxWxH)(mm)	Weight (T)
	(L)	(rpm)			
HTD-100	80	3-20	2.2	2200*1160*2000	0.8
HTD-200	160	3-20	2.6	2250*1350*2100	0.9
HTD-300	240	3-20	3	2500*1420*2200	1
HTD-400	320	3-20	4.4	2650*1450*2300	1.2
HTD-500	400	3-15	4.4	2800*1550*2400	1.4
HTD-600	480	3-15	5.2	2900*1650*2400	1.7
HTD-800	640	3-15	5.2	3000*1750*2500	2
HTD-1000	800	3-15	5.2	3150*1850*2700	2.2