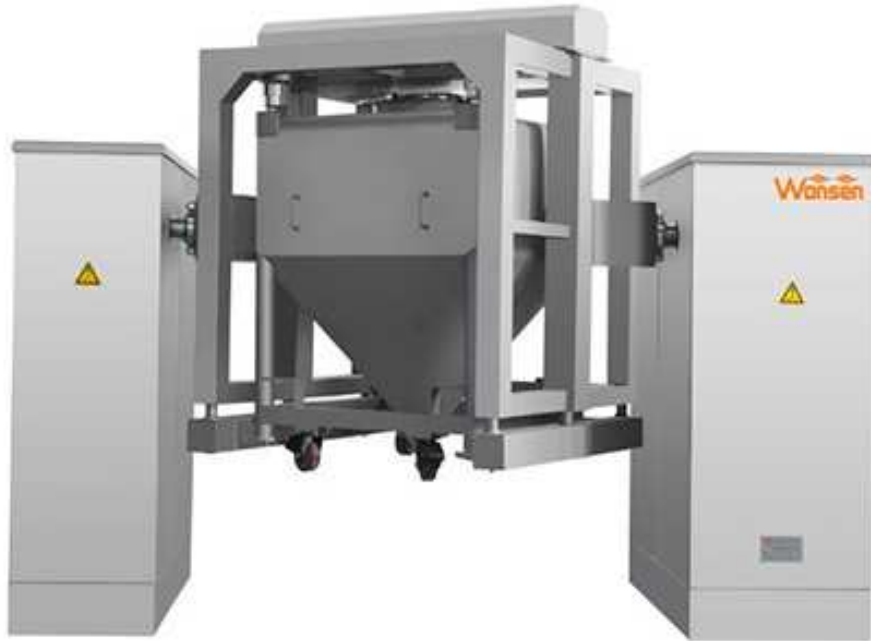




ZTH-series Auto Lifting Pharmaceutical Powder Bin Blender



The machine is provided with such functions as automatic lifting, mixing, lowering, etc. A bin mixer and several mixing bin of different specifications can meet the mixing requirements of different batches and diversified varieties of products. It is an ideal machine for mixing in pharmaceutical plants. It is also widely used in such industries as Pharmaceutical, chemical, food industry, etc.

Work principle

The machine is composed of two machine bases, rotation frame, rotation system, lifting system, control system, etc. Push the mixing bin into the rotation frame and complete the positioning. Start the control system to lift the rotation frame to the mixing height and clamp it reliably. The driving system will carry out automatic mixing according to the set time, rotation speed and other data. After the mixing operation is finished, the rotation frame will stop vertically, the bin will automatically fall to the ground, the machine will stop and process data will be printed. The bin is transferred to the next procedure.

Features

The machine is a new machine researched and developed successfully by our company according to China's actual conditions after absorbing and digesting internationally advanced technology. The machine has such features as reasonable structure, stable performance, convenient operation, no dead corners, and no exposed bolts. The gyrator (mixing bin) forms an included angle of 30° with the rotation axis. The materials in the mixing bin rotate along with the gyrator and make tangential movement along the hopper walls, producing strong turning and high-speed tangential movement and achieving the best mixing effect. PLC automatic control is adopted. It is provided with the infrared safety device and the discharging butterfly valve with the

disoperation preventer to ensure safe production. The materials can go through different working procedures in the same vessel without the need of frequent material transferring, material charging, etc. The machine effectively controls dust pollution and cross contamination, reduces loss of materials, controls material layering, optimizes production processes, and fully meets GMP requirements for medicine production.

Technical Parameter

Item	Model	ZTH - 400	ZTH-600	ZTH-800	ZTH-1000	ZTH-1200	ZTH-1500	ZTH-2000
Bin volume(L)		400	600	800	1000	1200	1500	2000
Maximum loading volume(L)		320	480	640	800	960	1200	1600
Maximum loading weight(kg)		200	300	400	500	600	750	1000
Spindle rotation speed(rpm)		3-20	3-20	3-20	3-15	3-15	3-15	3-15
Rotation motor power(kW)		4.0	4.0	4.0	5.5	5.5	7.5	11.0
Lifting motor power(kW)		1.5	1.5	1.5	2.2	3.0	3.0	3.0
Machine weight(kg)		1800	2500	2800	3000	3200	3600	4200
Outline dimensions	H	1780	1780	1880	2000	2040	2170	2340
	H1	1390	1390	1590	1660	1700	1830	2000
	H2	2260	2260	2460	2550	2700	2900	3250
	H3	2680	2680	2940	3130	3280	3430	3740
	L	3290	3290	3290	3880	3380	3910	4010
	W	2150	2150	2150	2300	2300	2300	2300
	W1	1650	1650	1650	1650	1650	1650	1650
	W2	2360	2360	2700	2940	3100	3160	3480