



HLT Post Bin Blender



Usage:

HLT post bin blender is extensively used for mixing dry powder with dry powder or dry powder with grain in the process of diversified solid preparation production in the pharmaceutical industry. This mixer can be equipped with hoppers of various specifications. It is suitable for mixing pharmaceuticals of multiple varieties and different batches according to the technological requirements in large and medium-sized pharmaceutical enterprises, so it can achieve multiple purposes in one machine.

Working principle:

When running the machine, push the mixing hopper into rotary arm and tighten the nuts, then start the control system and lift the hopper to the mixing height. Then, the control system starts mixing automatically according to the setting time and rotation speed, etc. When finish mixing, the material fixed in a horizontal position and the hopper downwards to the ground automatically. After that, the whole machine stop and print process data. Finally, unfasten the locking nuts of rotary arm and move the hopper out, and transfer it to the next process. As the symmetrical axes of hopper and the rotating center line of rotating arm form an included angle, materials with different constituents are strenuously rolling over in the closed hopper and producing high shear to achieve the best effect of mixing.

Features:

- 1.It is a high-tech product which integrates machinery, electronics and hydraulics into one body. It employs hydraulic lifting and driving, and PLC control, which is easy to operate and convenient to adjust technological parameters.
- 2.The control system is highly sensitive, and the whole machine is compact in structure, stable and reliable in running.
- 3.A single machine can be equipped with hoppers of various specifications. The materials after mixing remains in the hopper, which will be dismantled from the rotating arm and shifted directly to the next procedure, thus greatly improving the utilization efficiency of the mixer and also avoiding cross contamination of materials. This machine completely accords with GMP requirement.
- 4.The mixing barrel can be used as a batching barrel in the upstream procedure and as a charging hopper in the downstream procedure (compressing and filling).
- 5.The evenness of mixing reaches above 99%, the volume charge coefficient reaches 0.80, both inner and outer surface of the barrel are clean and smooth without dead corner.
- 6.After mixing each batch of pharmaceuticals, the empty hopper is sent to a special cleaning room for cleaning, so as to keep the workshop clean.

Main technical parameters:

Model	HLT-100	HLT-200	HLT-300	HLT-400	HLT-600	HLT-1500
Max. volume of hopper (L)	100	200	300	400	600	1500
Max. charge volume (L)	80	160	240	320	480	1200
Max. charge weight(kg)	50	100	150	200	300	750
Main shaft speed(rpm)	3-20	3-20	3-20	3-15	3-15	3-10
Total power of motor (kW)	1.5	3	3	5.2	5.2	6.2
Weight of whole machine(kg)	600	800	1000	1200	1400	2000
Overall dimension (dynamic) (LxWxH) (mm)	2300x	2500x	2500x	2600x	2800x	3200x
	1500x	1800x	1900x	2100x	2300x	2800x
	1500	2000	2100	2300	2500	2800