

HD-series Three Dimensional Mixer



After absorbing domestic and foreign advanced technology, our company designed and developed the new high efficiency mixing equipment to replace the traditional double dimensional mixer. It acquires advantage of high mixing evenness and can achieve the best mixing result, even when the materials are granule or powder of variable humidity, softness, and proportion. The components contacted with materials are all made of imported stainless steel and can meet the standard of GMP.

The machine can be applied in many fields in which different materials need to be mixed, such as pharmacy, supplement, cosmetic, biological, chemical industry, and food industries.

Advantages

1. The machine is designed individually and manufactured finely with low noise but high material mixing evenness. The bucket wall is dealt with by mirror reflection which gives the mixer no dead angle, no remaining materials, convenient material inlet and outlet, no cross contamination, convenient cleaning and beautiful appearance.
2. It acquires special motion functions according to three dimensional rules, i.e. special motion directions are generated: turning, shaking, crossing, reversing, and rolling. The machine can be installed and maintained conveniently and has long service life and short mixing time. Its material packing coefficient is large because of its low height and small rotation space. The packing coefficient of dry granule can reach 85%.
3. The mixing bucket rotate and revolve when mixing, which offsets the influence of centrifugal force, guarantees the self-flow and diffusion of materials absolutely, prevents materials from specific gravity segregation, stratification and accumulation, and makes the materials to meet over 99% of the requirement of material mixing.
4. Control panel is a touch screen to control the machine operation with a particular distance. Over 100 class remote operating system is equipped to guaranty safety.
5. The rocker arm of mixing is a casting. Its passive shaft is equipped with self-adjustment equipment to offset the great torque during operation and prolong the service life of the machine.

6. The speed of machine can be adjusted through frequency conversion or remains constant. The butterfly valve, designed and manufactured professionally, is of good sealing and will not leak powder.

Technical parameters

Specification	Maxing bucket volume (L)	Maximum material volume (L)	Motor power (KW)	Rotating speed (r/min)	Weight (Kg)	Standard height of material outlet (mm)	Standard height of material inlet (mm)	Dimensions (dynamic) (L*W*H) (mm)
HD 5	5	4	0.5	≤25	70	280	800	1010*670*670
HD 25	25	20	0.75	≤22	100	260	820	1010*670*670
HD 50	50	40	1.5	≤16	200	500	1200	1190*1090*1450
HD 100	100	80	2.2	≤15	500	600	1570	1580*1260*1600
HD 200	200	170	2.2	≤14	700	600	1680	1920*1550*1920
HD 400	400	340	4	≤13	1200	630	1900	2270*1670*2170
HD 600	600	500	5.5	≤13	1500	630	2100	2470*1860*2270
HD 800	800	680	7.5	≤10	2500	780	2300	2840*2200*2470
HD 1000	1000	850	7.5	≤10	2600	700	2450	2950*2150*2530
HD 1500	1500	1250	11	≤8	3000	850	2800	3403*2700*3120