

HD5-1500

Multi-Directional Motions Mixer



Usage:

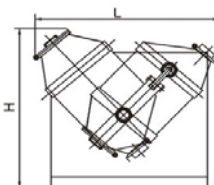
HD(A) Series Multi-directional Motions Mixer is a novelty material mixer, which is extensively used in Pharmacy, Chemical industry, Metallurgical Industry, Food, Light industry, Agriculture and so on. The machine can mix powder or granules very evenly, so that the mixed materials can reach their best effect.

Working principle:

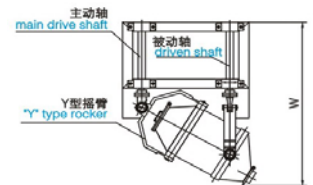
The mixing barrel is supported by the driving and driven shafts which are crossed in space and also vertical to each other, and are respectively connected by Y-type universal joints, so that the mixing barrel makes unique translation, turning, turning over motions in Three-dimensional space, thereby speeds up the flow and diffusion of the materials being mixed, while avoids the specific gravity segregation of materials due to the action of centrifugal force in an ordinary mixer, and ensures the materials to reach an ideal mixing within a short time.

Features:

- It has a unique driven shaft servo mechanism, so that the whole machine runs stably and reliably with low noise.
- The equipment does not need a foundation and features convenient erection and maintenance as well as long service life.
- It can ensure a good mixing effect and short mixing time . The evenness of mixing reaches above 99.5%.
- Its charge coefficient reaches 85%, more than double that of an ordinary rotary mixer.
- Thanks to its low height and small rotating space, it usually does not need skip floor.
- The eccentric cone design of the discharge end of the mixing barrel ensures discharge free of dead corner and residue, so it is easy to clean and conforms to the requirement of GMP.
- HD(A) series multi-directional motions mixer can start in low speed, run smoothly in rated speed, timing and deceleration for stop. Automatic shutdown location of the machine is the best location for charging and discharging.



混合桶运动正视图
Front view of motions of mixing barrel



混合桶运动俯视图
Vertical view of motions of barrel

Main Technical Specifications	HD-5	HD-20	HD-50	HD-100	HD-200	HD-400	HD-600	HD-800	HD-1000	HD-1500
	HDA-5	HDA-20	HDA-50	HDA-100	HDA-200	HDA-400	HDA-600	HDA-800	HDA-1000	HDA-1500
Volume of Barrel	5L	20L	50L	100L	200L	400L	600	800L	1000L	1500L
Mixing Volume	4L	17L	40L	85L	170L	340L	500L	680L	850L	1250L
Mixing Capacity(kg)	4	15	40	80	100	200	300	400	500	750
Main Shaft Speed (rpm)	20	20	17	14	14	12	12	10	10	10
Motor Power (kw)	0.75	0.75	1.1	2.2	3	4	5.5	7.5	7.5	11
Weight (Kg)	90	100	200	500	700	1200	1500	2500	3000	5000
Dimension (L*W*H)mm	900 * 700 * 650	970 * 780 * 700	1200 * 1100 * 1200	1360 * 1500 * 1530	1800 * 1600 * 1700	2200 * 1900 * 1700	2400 * 2100 * 2050	2600 * 2500 * 2550	2800 * 2600 * 2800	3400 * 3200 * 3100