



## *HD Multi Directional Motions Mixer*



### **Applications:**

HD series multi-directional motion mixer is a novel material mixer extensively used in pharmaceutical, chemical, metallurgical, food, light and agricultural industries. This machine can carry out highly even mixing of powders or granules, so that the mixed materials can reach their best effectiveness. 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 translational, turning, rocking and rolling motions

### **Features:**

It has a unique driven shaft servo mechanism, so that the whole machine makes smooth and reliable operation with less vibration and 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 the mixing time is short. The evenness of mixing reaches above 99.5%. Its charge coefficient reaches 85%, more than double that of an ordinary rotary mixer. 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.

## Technical Specifications

Model		HD5	HD15	HD20	HD50	HD100	HD200
Barrel Capacity (L)		5	15	20	50	100	200
Max. Loading Capacity (L)		4	12	16	40	80	160
Max. Loading Weight (kg)		2.4	7.5	10	25	50	100
Speed of driving shaft (r/min)		0-28	<=20	<=20	<=17	0-8	0-8
Motor Power (KW)		0.25	0.55	0.75	1.1	1.5	2.2
Overall Dimension (mm)	L	750	900	1000	1400	1700	1800
	W	650	750	800	1000	1200	1400
	H	450	1100	1150	1200	1500	1600
Weight		150	200	250	300	500	800

Model		HD400	HD600	HD800	HD1000	HD1200	HD1500
Barrel Capacity (L)		400	600	800	1000	1200	1500
Max. Loading Capacity (L)		320	480	640	800	960	1200
Max. Loading Weight (kg)		200	300	400	600	700	900
Speed of driving shaft (r/min)		0-8	0-8	0-8	0-8	0-8	0-8
Motor Power (KW)		4	5.5	7.5	7.5	11	11
Overall Dimension (mm)	L	2100	2400	2600	2650	2950	3100
	W	1800	2200	2380	2500	2650	2850
	H	1950	2350	2500	2600	2750	3000
Weight		1200	1500	2000	2500	3000	3000