



## *HF Series Square-cone Type Mixer*



### **Usage:**

The HF series square-cone mixing machine is a novel material mixer extensively used in the pharmaceutical, chemical, metallurgical, food, light and feed industries. This machine can mix powder or granules very evenly so that the mixed materials can reach the best effect.

### **Working principle:**

Materials are charged into a closed square-cone mixing barrel. The symmetrical axes of hopper and the axes of rotating shaft form an included angle, while materials with different constituents are making three dimensional space motions in the closed hopper and producing strong rolling, diffusion and contraction to achieve the best effect of mixing.

### **Features:**

- The whole machine features novel design, compact structure, and good appearance. The evenness of mixing reaches 99%, and the volume charge coefficient reaches 0.8.
- Low rotating height, smooth running, reliable performance and easy operation.
- Highly polished inner and outer surfaces of the barrel without dead corner, easy to discharge and clean with no cross contamination, conforming to the requirement of GMP.

**Main technical parameter:**

<b>Model</b>	<b>HF-300</b>	<b>HF-500</b>	<b>HF-1000A</b>	<b>HF-1500A</b>	<b>HF-2000A</b>	<b>HF-3000A</b>
Volume of mixing barrel(L)	300	500	1000	1500	2000	3000
Max. charge volume(L)	240	400	800	1200	1600	2400
Max. charge weight(kg)	150	250	500	750	1000	1500
Main shaft speed(rpm)	14	13	12	10	10	8
Motor power (kW)	1.5	2.2	4	5.5	7.5	11
Weight of whole machine (kg)	600	750	1200	1650	2000	3000
Overall dimension(dynamic) (LxWxH)(mm)	1850x	2200x	2800x	2980x	3300x	3800x
	1280x	1530x	2000x	2330x	2550x	3000x
	1980	2220	2820	3070	3280	3800