

HD SERIES

Multi-Directional Motions Mixer



Multi-Directional Motions Mixer



HD 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:

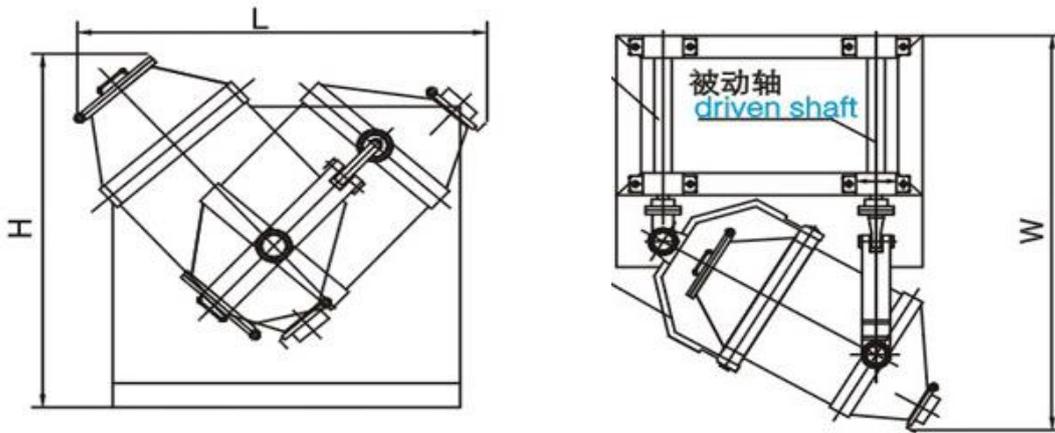
The mixing barrel is supported by the driving and driven shafts which are crossed in space and also vertical to each other, and are respectively connected by Y-type universal joints, so that the mixing barrel makes unique translation, turning, turning over motions in Three-dimensional space, thereby 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.

HD Series

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.





| Technical Data | HD-5 | HD-20 | HD-50 | HD-100 | HD-200 | HD-400 | HD-600 | HD-800 | HD-1000 | HD-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 |

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