



Three-dimensional motion mixer SYH-400



The mixing barrel of the machine moves in multi-direction. For the materials, there is no centrifugal function, without the specific gravity segregation and the layer division. For each of build-up phenomenon, there is the remarkable weight rate the mixing rate is up to 100%. The machine is the desired product in various mixers at present.

The barrel material charge rate is big. Maximum rate can be up to 90 % (the common mixer has only 40% charge rate). It is high in efficiency and short in the mixing time.

The barrel uses the curve connection. The barrel has passed the fine polish treatment. The machine is used for mixing the powder state and grain state materials with the high uniformity in the pharmacy, chemical, food, light-industry, electronic, mechanical, nation defense industries and other science and technology institutes.

The barrel for charging the materials is fiber by the dribbling shaft. The barrel body carry on the repeated level movement, rotation, turning and other complex movements so that the materials so that the materials will carry out the three dimensional and complex movements along the barrel body so as to fulfill the various movements of the materials. Through the dissemination, gathering, adding other matter, the aim for the uniform mixing can be gained.

Principle of work:

Driven by the driving shaft, the barrel with the materials loaded performs cycling compound movements of translation, rotation and tumbling, which make the materials move annual, radically and axially along the barrel body, thus achieving mutual flow, spread accumulation and mixing of materials for the purpose of fully mixing.

Technical Parameters:

| Model | SYH-100 | SYH-200 | SYH-400 |
|-------------------------------|----------------|----------------|----------------|
| Barrel volume(L) | 100 | 200 | 400 |
| Max. Loading capacity(L) | 90 | 180 | 360 |
| Max. Loading weight(kg) | 50-90 | 100-180 | 200-360 |
| Speed of driving shaft(r/min) | 8-15 | | |
| Motor power(Kw) | 1.5 | 2.2 | 4 |
| Overall dimension (mm) | 1250×1800×1550 | 1450×2000×1550 | 1650×2200×1550 |
| Total Weight(kg) | 800 | 1200 | 1200 |