



LHSM Series Laboratory High Shear Mixer



LHSM Series Mini Laboratory High Shear Mixer is an integrated machine, electricity and gas equipment that applies PLC program control technology and frequency conversion control technology. It is suitable for mixing and granulating powdery loose materials in the pharmaceutical, food, chemical and other industries, and can also be used for dry powder mixing.

LHSM series Mini Laboratory High Shear Mixer can complete the process of mixing, binder charging and granulating at one time, and by using impeller, the materials move axially, radially and tangentially in the container, so as to obtain the uniform mixed powder. Add binders or wetting agents into the mixed powder to get the soft materials, then cut them into particles by using chopper. The features of particles prepared by wet granulation are better surface modification, well-shaped appearance, strong wear resistance, good compression form-ability, etc.

Shape and Structure Features

- The shape is industrially designed, with a multi-faceted structure, and the large chamfers are grooved and then bent, with a strong sense of lines;
- The outer cover is made of large plates, the welding seam is at the corners, and the front is flat and beautiful;
- The outer cover is welded against the frame, and the rigidity of the whole machine is good
- Screw casters, silent movement, adjustable rack height
- The surface is vertically brushed and polished.

Advantages

- Small footprint
- Changeable bowl
- R&D and scale up
- It should be “Time, volume, rotate speed and power can be controlled in process”

Parameters

| Model | | LHSM10 | | | | | | | |
|------------------------------|---------------------|---------------|---|---|---|---|---|---|----|
| Capacity | L/Pan | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
| Impeller speed | r/min | 90-900 | | | | | | | |
| Chopper speed | r/min | 1000-2800 | | | | | | | |
| Compressed air consumption | m ³ /min | 0.2 | | | | | | | |
| Compressed air pressure | Mpa | 0.4-0.6 | | | | | | | |
| Weight | Kg | 250 | | | | | | | |
| Impeller motor power | kW | 2.2 | | | | | | | |
| Chopper motor power | kW | 1.1 | | | | | | | |
| Peristaltic pump motor power | kw | 0.2 | | | | | | | |