

## *MHS Series High Shear Mixer*



MHS Series High Shear Mixer is one of the standard process equipments in the solid dosage production procedure in pharmaceutical industry, and is also widely used in chemical, foodstuff industries, etc.

This equipment has functions of mixing, granulation and mill.

### **Features:**

1. This equipment can process mixing, granulation and wet mill in the material container, to ensure good mixed efficient granulation it equipped with advanced M28 impeller. It can still obtain good effect when specific weight difference between main medicine and auxiliary medicine are great.
2. Solid grain, with uniform grain size and high product yield.
3. With high working efficiency, it can work with fluid bed dryer
4. Designed with granulation end-point detection function, satisfies with the process reproducibility request.
5. Compound mechanical& air sealing structure avoid any material leakage and cross contamination, compliance with cGMP, FDA requirements.
6. To meet the different process requirements for mixing and granulation, double-layer trough jacket-kettle can be used to heat or cool the materials.
7. Blender can be added through pressure or atomization method.
8. WIP on line cleaning is optional.

## Main Technical Parameters:

Items	Unit	Model/Specification							
		MHS-50	MHS-100	MHS-250	MHS-300	MHS-400	MHS-600	MHS-800	MHS-1000
Volume	L	50	100	250	300	400	600	600	1000
Working volume	L	35	70	160	230	280	420	420	680
Capacity	kg	10-22	25-35	75-110	90-120	120-200	240-300	280-350	300-500
Mixing impeller speed	rpm	25-500	6-200	6-200	6-200	5-160	5-160	5-160	5-160
Motor power	kW	5.5	11	18.5	22	30	37	45	55
Chopper speed	rpm	300/3000	300/3000	300/3000	300/1500	300/1500	150/1500	150/1500	150/1500
Motor power	kW	4	5.5	7.5	7.5	11.5	11.5	15.5	18.5
Overall dimension	mm	1900*700*1600	1900*750*1600	2300*950*2125	2600*950*2275	2700*1200*2750	3600*1450*3500	3600*1450*3500	3600*1450*3500
The height of discharge hole	mm	800	800	850	900	900	110	110	110
Weight	kg	500	1050	1350	2100	2360	2560	2560	2560