



(SHLS Series) GMP Approved High Speed Lab Scale Mixer and Granulator



The machine is a process machine widely applied for solid preparation production in the pharmaceutical industry. It has such functions as mixing, granulating, etc. It is widely used in such industries as medicine, food, chemical industry, etc.

Work Principle

The powder materials are fed into the mixing vessel manually. Through rotation and push by the mixing paddle at the bottom, they first move under a fluidizing status and get sufficient mixing. Then the adhesive is injected through the pressure spray gun to turn the dry powders into wet and soft materials. Meanwhile, they are made into even wet granules under the double actions of the mixing paddle and the high-speed cutter on the side wall.

Features

1. The whole machine is made of high quality stainless steel and is convenient to move with castors.
2. The mixing and granulating procedure can be completed in one step with the materials mixed and granulated in the closed
3. Mixing barrel.
4. It adopts PLC control. The mixing and granulating motors are subject to variable frequency speed adjustment. All operations can be carried out automatically or manually.
5. It is provided with interlocking protection device to ensure safer operation.
6. It is equipped with printer to automatically print all process parameters, with the original records conforming to the actual ones.

Technical Parameters

Item	Model	SHLS-3	SHLS-6	SHLS-10	SHLS-15
Production capacity (kg/batch)		0.6-1.2	1.2-2.4	2~4	3~6
Mixing motor power(KW)		1.5	1.5	1.5	4
Mixing paddle rotation speed(rpm)		50-260	50-260	50-260	50-220
Granulating motor power(KW)		1.1	1.1	1.1	2.2
Granulating knife rotation speed(rpm)		0-2900	0-2900	0-2900	0-2900
Compressed air consumption(m ³ /min)		0.1	0.1	0.1	0.3
Compressed air pressure(MPa)		0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6
Outline dimensions	L	1245	1270	1295	1500
	L1	850	850	850	1100
	W	600	600	600	650
	H	1115	1130	1140	1250
	H1	700	700	700	750
	H2	670	670	670	720