

## *SY-SM Centrifugal Spheroid Machine*



### **Description:**

The fabrication of each spheroid machine was the product of advanced technology. For so many years, the pharmaceutical field had continuously further its development in the fabrication of sustain release drugs, because prior to the fabrication of spherical grains ball, it requires mixing solids with liquids, knead ring extruding and granulated, then centrifugally rolled round, so that it will be well distributed and fast.

The spread of grain surface is good and fast, and then it is film coated to keep the grain moist. Therefore, it is more balance, effect is evidential, good fluidity, and nice appearance.

### **Feature:**

Spherical grain machine uses the centrifugal principle so that when cylindrical grains went through speed rotation inside the round disc with special grooved turning disc, cylindrical grains proceed to even centrifugal, forming a twisted ropelike circulation. The graduation spread of groove enables the grains to achieve extremely high spheroids or pills. It can be used in the research and development and fabrication of special spherical grain drugs.

Since it uses high speed rotation disc to granulated, hence all the grains formed are a uniform spheroid, without any pulverulent matter. The yield is more than 90%. It reduces environmental dust pollution during the process. It is equipped with a cooling jacket to drop the temperature of heat sensitive materials, so that these materials will not stick together due to temperature rise and able to produce continuously through proper control.

### **Usage:**

Pharmaceuticals, food stuffs (health food), detergents, general chemicals, and food additives.

**Specification:**

<b>Model</b>	<b>SY-SM-230</b>	<b>SY-SM-400</b>	<b>SY-SM-700 VH/VL</b>	<b>SF-SM-1000 VH/VL</b>
Operation Volume / Full Volume	1L / 5L	4L / 18L	20L / 90L	60L / 275L
Dimension (LXWXH)	110X540X1000	1300X700X1200	2200X1100X1400	2400X1400X1500
Revolution (R.P.M)	280~1120r.p.m 50Hz 340~1350r.p.m 60Hz	250~1000r.p.m 50Hz 300~1200r.p.m 60Hz	VH50HZ 150~600r.p.m 60HZ 180~720r.p.m	VH50HZ 52~208r.p.m  60HZ 60~250r.p.m
Drive Motor	1HPX4P	3HPX4P	5HPX4P	7.5HPX4P
Net Weight (APP.)	430kg	710kg	1300kg	1650kg