

## *SY-HME Vacuum Emulsify Mixer*



This machine is composed of one blade mixer for high viscosity and one micro homogeneous high speed mixer with high strength-cut-off.

There are scrapers attached to scrap the inner wall of the container to make the new interface generation in the treated solution continuously.

The treated solution is treated by the cut-off. Compress and fold-up of the blade, will flow down the right position of the homogeneous mixer by the way of blade mixing.

The mixing part of the homogeneous mixer is composed of a unique turbine with a high rotary speed and a radial stator having the flow refractive plates. The pressure at the bottom and upper part of the turbine enerated by the high speed rotations of the turbine has the functions like those of the rotations of a pump and is continuously sucked upward by the treated solution.

The sucked solution that is sucked on the stator is freely handled by the strong cut-off. impacts and turbine current processed produced between the turbine under high-speed rotations and the stator and therefore is pulverized and dispersed and then isspraed upward and out from the top spray outlet.

As mentioned in the above, the homogenous mixer and blade mixer have their own respective mutually complementary features, so their effect are doubled to effectively treat the emulsification and mixing of the high viscous materials.

### **Features:**

- Emulsifying and mixing super viscous materials (above 50,000 C.P.S.)
- To directly suck the raw materials into the tank by this machine.
- A set of this machine can do the integrated operations of vacuum, heating, cooling process.

- Pulverization, emulsification, mixing and uniformity and dispersion can be completed within a short time.
- The Homo Mixer and Paddle Mixer can be used separately.
- Operation is by button automatically. It also supplies record function for product except time control.
- The material contacted the liquid is stainless steel to prevent corrosion.
- It can reduce the air and bacterial contamination by mixing in the vacuum. To keep the product hygiene and stability.
- Automatic clean device ensure the cleanliness of the part contacted liquid

**Usage:**

Coating, food stuffs, pharmaceuticals, cosmetics, Pigments, dyes and aids, general chemicals, and various synthetic fiber, leather, and plasticizer.

**Specification:**

Model	Full	Emulsify		Agitator		Outside Dimension			
	Volume	H.P.	R.P.M	H.P.	R.P.M	Length	Width	Height	Max H.
SY-HM-100	100	2	300~3600	1	19~75	1500	800	2000	2650
SY-HM-150	150	3	500~3600	1	19~75	1900	800	2100	2900
SY-HM-200	200	3	500~3600	2	19~75	2000	950	2200	3100
SY-HM-300	300	5	500~3600	3	19~75	2200	1050	2400	3400
SY-HM-500	500	5	500~3600	3	19~75	2500	1100	2600	3600
SY-HM-650	650	7 1/2	500~3600	5	19~75	2750	1200	2950	3950
SY-HM-800	800	7 1/2	500~3600	7 1/2	19~75	2950	1400	3050	4150
SY-HM-1000	1000	10	500~3600	7 1/2	19~75	3100	1520	3150	4250