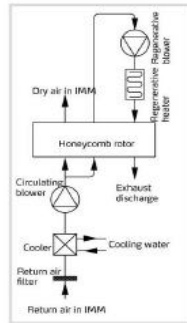




Working Principle

The large amount of air created by centrifugal blower will directly blow to the models of IMM after being moisture absorbed by rotator honeycomb to form drying air with low dew-point. And then air discharges through air outlet of mold closing chamber and returns to mold sweat dehumidifier through return air pipe. In this way, a circle finished.

The air around mould is very dry with dew-point less than or equal to 5°C. Environmental temperature drops fast during the mould rapid-cooling, but temp. would not fall to 5°C. Therefore, dewdrop would not come into being during mold rapid-cooling.



Outline Drawings



Model Selection

Model	SMD-500H	SMD-1000H	SMD-1500H	SMD-2000H		
Cavity Number	12	16	24	32		
Cavity Array	(2×6)	(2×8)	(4×6)	(4×8)		
Cavity Distance	Standard	Standard	Standard	Standard		
Max. Shot Weight (kg/shot)	200	270	400	420		
Auxiliary Equipment Model Selection Guide						
Dryer Model	SHD-1500U	SHD-2000U	SHD-3000U	SHD-3000U	SHD-4000U	SHD-4000U
Dehumidifier Model	SD-700H	SD-1000H	SD-1500H	SD-1500H	SD-2000H	SD-2000H
Hopper Loader Model	SAL-2HP-UG	SAL-2HP-UG	SAL-3.5HP-UG	SAL-3.5HP-UG	SAL-5HP-UG	SAL-5HP-UG

Specifications

Model	Regen. Rotor (kW)	Regen. Blower (HP/0.746)	Process Blower (HP/0.746)	Process Air Flow (m³/min)	Process Pipe Diameter (inch)	Regen. Pipe Diameter (inch)	Water Column (mm)	Max. Process Air Temperature (°C)	Dew-point Temp. (°C)	Process Air Return Pt.	Cooling Water Flow (L/min)	Cooling Water Temp. (°C)	Dimensions (mm) H X W X D	Weight (kg)
SMD-500H	4	0.4	0.75	500	4	2	3/4" PT	30	-10→+5	3,000	45	3-5	1730×650×700	260
SMD-1000H	7.2	0.75	1.5	1,000	5	2.5	3/4" PT	30	-10→+5	3,000	90	3-5	1780×800×805	335
SMD-1500H	15	2.2	1.5	1,500	8	4	3/4" PT	30	-10→+5	1,400	135	3-5	2040×1150×1075	350
SMD-2000H	24	2.2	1.5	2,000	8	4	2" PT	30	-10→+5	1,230	180	3-5	1940×1300×1075	450

Notes: 1) Noise level ≤85dB (A).

2) Condition for Open-loop application: Ambient dry bulb temp. ≤30°C, relative moisture ≤70%.

3) Cooling water required temp.: 7-10°C.

4) Power: 3Φ, 230 / 400 / 460 / 575VAC, 50 / 60Hz.

We reserve the right to change specifications without prior notice.