



# 蜂巢式转轮除湿机

## Honeycomb Rotor Dehumidifiers

TDH

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## ● 特点 Features

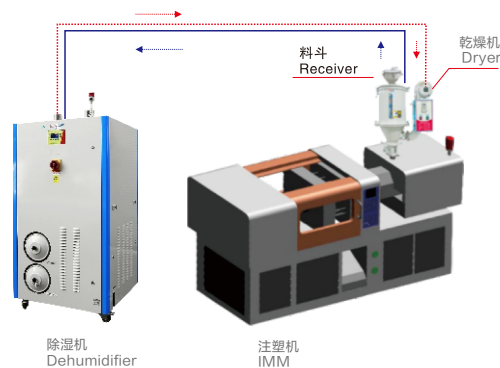
- 采用PID温度控制系统，可精准控制再生温度，确保露点的稳定性。
- 采用双冷却器结构，确保更低回风温度及露点。
- 内部装有回风过滤器，确保蜂巢转轮不受原料粉尘污染。
- 采用进口蜂巢状除湿转轮，为干燥机提供露点-40以下的成型条件。
- 采用硅胶吸附式蜂巢除湿，再生温度只需180℃，相对于分子筛结构需200℃以上的再生温度要节约能源。
- 采用国外高级进口零组件，提高性能及延长使用寿命，节省维修成本。
- 外型粉体烤漆，美观大方。结构简单紧凑，机器占地小，节省空间，移动方便，可任意更换，机台使用，设计人性化方便保养维修。
- 结构简单紧凑，机器占地小，节省空间，移动方便，可任意更换，机台使用，设计人性化方便保养维修。
- To adopt P.I.D temperature controller to accurately control regenerative temperature to ensure dew-point stable.
- To employ double coolers for ensuring lower return air temperature and dew-point value.
- Return air filter is installed inside to ensure no powder & dust contamination to the honeycomb rotor.
- To adopt imported honeycomb rotor for providing molding condition with dew-point -40℃ & even below for hoper dryer.
- To adopt silica gel absorption honeycomb with low regenerative temperature at 180℃ which can save more power if compare with molecular sieve structure with regenerative temperature at 200℃ above.
- Using imported superb parts which enhance function and extend service life for saving maintenance cost.
- Powder coated frame of machine with exquisite appearance.
- Compact construction; small footprint to save space ; move conveniently for any machines use ; optimum design for easy maintenance.



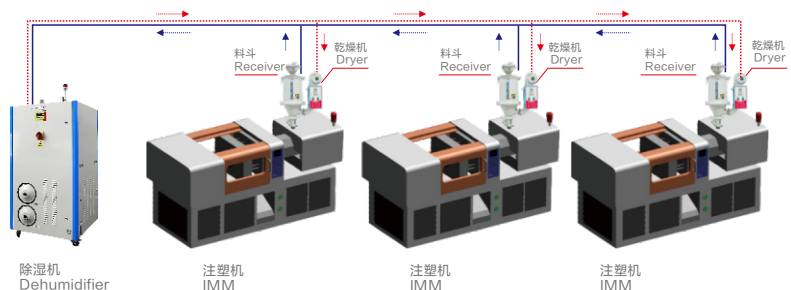
主要与热风式干燥机搭配, 专门对吸湿性较强的工程塑料(如: Nylon, PC, PBT, PET等)进行高效率的除湿干燥作业, 该系列采用高效能转轮, 在理想状态下, 能确保-40℃露点的稳定除湿效果。干燥风量50~1000 m3/hr。

Honeycomb Rotor Dehumidifier are mainly to work with hopper dryers together which are specialized for drying engineering plastics to contain high hygroscopicity such as Nylon, PC, PBT, PET etc. It adapts high efficiency rotor which can ensure dew-point at -40℃ with stable dehumidifying effect. The drying air flow ranges from 50~1000 m3/hr.

## ● 一对一除湿系统 One to One Dehumidifying System



## ● 一对多除湿系统 One to Multiple Dehumidifying System



## ● 规格表 Specification Sheet

产品型号 Model		TDH-50C	TDH-80C	TDH-120C	TDH-200C	TDH-300C	TDH-400C	TDH-500C	TDH-700C	TDH-1000C	
除湿风量 Dehumidifying Air Capacity	CMH	50	80	120	200	300	400	500	700	1000	
除湿马达 Dehumidifying Motor	KW	0.37	0.75	1.1	2.2	4	5.5	7.5	3.7	9	
再生马达 Regen Motor	KW	0.18	0.5	0.37	0.55	0.75	0.75	1.5	1.5	2.4	
再生电热 Regen. Heater	KW	2.5	3	4	6	8	8	10	12	15	
除湿口径 Pipe Size	inch	2	2	2	2.5	3	3	4	5	5	
转轮马达功率 Rotor Motor Capacity	W	15			40			60			80
系统电源 Power Supply	V	380VAC 3P/PE 50Hz									
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz									
总功率 Total Power	KW	3.2	4.2	5.6	10	13	14.5	20	18	26.5	
电源线规格 Wires Specifications	mm2	4 × 2.5		4 × 4		4 × 6		4 × 10			
电源线长度 Wires Length	M	5									
外观尺寸 Dimensions	L (m)	0.71	0.79	0.74	0.83	0.96	0.96	1.05	1.05	1.05	
	W (m)	0.65	0.74	0.75	0.81	0.95	0.95	1.05	1.49	1.49	
	H (m)	1.43	1.5	1.49	1.79	2	2	2.14	2.34	2.34	
冷却水流量 Cooling Water Flow	GPM	1.5			3	9					
冷却水接管 Cooling Water Pipe Size	inch	3/4			1						
机器重量 Weight	KG	150	200	220	280	320	330	420	445	470	
选配 Option		露点显示 Dew-point Indicators									

## ● 干燥能力 Drying Capacities

原料 Material	干燥温度 Drying Temperature (°C)	干燥时间 Drying Time (hr)	比热 Specific Hrat	原料比重 Specific Gravity (Kg/dm <sup>3</sup> )	干燥能力/Drying Capacities(kg/hr)									
					TDH-50C	TDH-80C	TDH-120C	TDH-200C	TDH-300C	TDH-400C	TDH-500C	TDH-700C	TDH-1000C	
ABS	80	2-3	0.34	0.6	18	27	35	105	180	210	285	355	425	
CA	75	2-3	0.5	0.5	15	22	30	90	150	180	235	295	355	
CAB	75	2-3	0.5	0.5	15	22	30	90	150	180	235	295	355	
CP	75	2-3	0.6	0.6	18	27	35	106	180	210	285	355	425	
LCP	150	4	0.6	0.6	13	20	27	80	135	160	210	265	320	
POM	100	2	0.35	0.6	27	40	53	160	265	320	425	530	640	
PMMA	80	3	0.35	0.65	19	29	38	115	192	230	307	383	460	
IONOMER	190	3-4	0.55	0.5	11	17	22	66	111	133	177	220	265	
PA6/6,6/6,10	75	4-6	0.4	0.65	10	14	19	58	96	115	153	192	230	
Pa11	75	4-5	0.58	0.65	12	17	23	69	115	138	184	230	275	
Pa12	75	4-5	0.28	0.65	12	17	23	69	115	138	184	230	275	
PC	120	2-3	0.28	0.7	21	31	41	124	206	250	330	413	495	
PU	90	2-3	0.45	0.65	19	29	38	115	190	230	307	383	460	
PBT	130	3-4	0.3-0.5	0.7	15	23	31	93	155	186	248	310	372	
PE	90	1	0.55	0.6	53	80	106	318	531	637	850	1062	1275	
PEI	150	3-4	0.6	0.6	13	20	27	80	133	160	212	265	320	
PET	160	4-6	0.3-0.5	0.85	13	19	25	75	125	150	200	250	300	
PETG	70	3-4	0.6	0.6	13	20	27	80	133	160	212	265	320	
PEN	170	5	0.85	0.85	15	23	30	90	150	180	240	300	360	
PES	150	4	0.7	0.7	15	23	30	90	150	180	240	300	360	
PMMA	80	3	0.65	0.65	19	29	38	115	190	230	307	383	460	
PPO	110	1-2	0.4	0.5	22	33	44	133	220	265	355	440	430	
PPS	150	3-4	0.6	0.6	13	20	27	80	133	160	212	265	320	
PI	120	2	0.27	0.6	27	40	53	160	265	320	425	530	640	
PP	90	1	0.46	0.5	44	66	88	265	442	530	710	885	1060	
PS(GP)	80	1	0.28	0.5	44	66	88	265	442	531	708	885	1062	
PSU	120	3-4	0.31	0.65	14	22	29	85	145	173	230	290	345	
PVC	70	1-2	0.2	0.5	22	33	44	135	220	265	355	442	530	
SAN(AS)	80	1-2	0.32	0.5	22	33	44	135	220	265	355	442	530	
TPE	110	3	0.7	0.7	20	30	40	125	205	250	330	413	495	

备注 Remark: (1)使用独立的干燥料斗; (2)在20°C的大气温度及65%的相对湿度下,干燥后其水份含量低于0.05%

(1) In an independent drying hopper; (2) Base on relative humidity 65% with ambient temperature of 20°C, moisture content after drying can be 0.05% or less.

注: 产品规格若有变更, 恕不另行通知。 We reserve right to change specifications without prior notice.

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