

# 蜂巢式转轮除湿机 Honeycomb Rotor Dehumidifiers



## Features

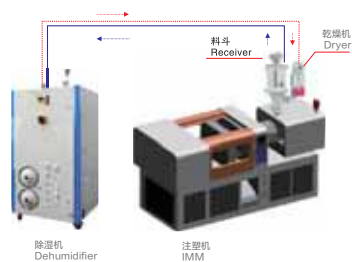
- 采用PID温度控制系统,可精准控制再生温度,确保露点的稳定性。
- 采用双冷却器结构,确保更低回风温度及露点。
- 内部装有回风过滤器,确保蜂巢转轮不受原料粉尘污染。
- 采用进口蜂巢状除湿转轮,为干燥机提供露点-40以下的成型条件。
- 采用硅胶吸附式蜂巢除湿,再生温度只需180℃,相对于分子筛结构需200℃以上的再生温度要节约能源。
- 采用国外高级进口零组件,提高性能及延长使用寿命,节省维修成本。
- 外型粉体烤漆,美观大方。结构简单紧凑,机器占地小,节省空间,移动方便,可任意更换,机台使用,设计人性化方便保养维修。
- 结构简单紧凑,机器占地小,节省空间,移动方便,可任意更换,机台使用,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 hopper 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.

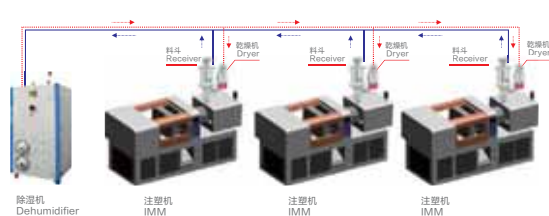
主要与热风式干燥机搭配,专门对吸湿性较强的工程塑料(如: Nylon, PC, PBT, PET等)进行高效率的除湿干燥作业,该系列采用高效能转轮,在理想状态下,能确保-40℃露点的稳定除湿效果。干燥风量50~1000 m3/hr。

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	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								

## 干燥力 Drying Capacities

原料 Material	干燥温度 Drying Temperature °C	干燥时间 Drying Time hr	比 比 Specific Hrat	原料比 Specific Gravity (Kg/dm3)	干燥力 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	
PA66(GF 30)	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℃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℃, 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.

## 三机一体(节能型 三机一体) 3 in 1 Compact Dehumidifying Dryers



### Features

- 集除湿、干燥、二段送料三种功能于一体，并可选择三段送料功能。
- 稳定供应-40露点的除湿空气大幅度提高产品品质。
- 耗电低、功效高。(每小时耗电量0.6度，传统型耗电2.5度)
- 双层保温干燥料桶采用下吹式风管设计，防止热流失，提高干燥效率。
- 全不锈钢上、下送料系统，避免原料污染。
- 封闭式循环除湿气及送料系统，可避免干燥后的原料因接触外界空气而再度回潮。
- 采用无触点固态继电器控制加热。(选配)。
- 故障智能报警，时间智能预约。
- 光学级除粉式三机一体专用无尘或净化车间。
- 多重保护装置。
- 采用国外高级进口零部件，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，可任意更换机会使用。
- 设计人性化方便保养维修。

- To integrate the function of dehumidifying, drying and two-stage conveying into single unit. Three-stage conveying function is optional.
- To improve the quality of finished products greatly thanks to supply stable dehumidified at -40 dew-point.
- Low power consumption, high efficiency (power consumption forenergy saving type with reading 0.6 kW/h while conventional type with reading2.5 kW.h)
- Double-wall insulated hopper dryers features down-blowing pre-design to avoid heat dispersion for improving drying efficiency.
- Feeding system is made of stainless steel to eliminate material contamination.
- Closed-loop circulation for dehumidified air & feeding system to avoid the possibility of moisture regain for absorbing outside air during material conveying.
- To adopt electromagnetic contactless relay control heating. (option)
- Intelligent microprocessor control for faulty alarm & pre-heating setting.
- Optical-class powder-removing models are suitable for clean workshop.
- Multiple safety protection device.
- 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.

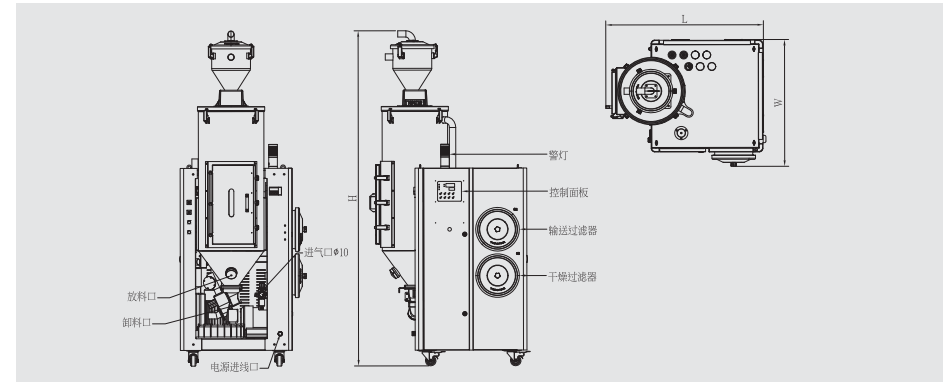
节能型三机一体的设计系统更为简化，不仅减少系统之耗电量，功效高，超节能省电高达60%，且体积小，不占空间，特别适用于无尘车间。不需接冷却水，故移动方便。构造简单，机器信赖度高。全机采用微电脑控制，操作简单，性能稳定，能耗更低，干燥风量30~300 m3/hr。此外也针对光学级产品之生产制造而设计光学级节能型三机一体除湿干燥机，以满足客户不同之需。

The energy saving type simplifies the design of system which reduces power consumption, high efficiency, ultra energy saving up to 60%. The design of machine appearance is compact to save space, ideal to high demands on limited space of clean workshop. It can move everywhere conveniently thanks to no requirement of cooling water for machines. The mechanical construction is simple to enhance machine reliable. The series design particularly for optic products. It adapts PLC controller with the superior features on easy operation, stable function, low power consumption. The drying air flow ranges from 30~300 m3/hr. In addition, we design optic class 3 in 1 compact heatless dehumidifying dryers (energy saving type) for optic products to satisfy with customers' various demands.

### 增加 件 Options

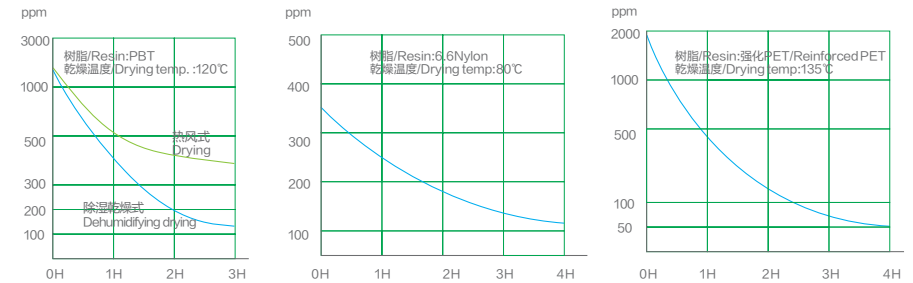


旋风分离器图  
Cyclone Separator



机型	TDA-25C	TDA-50C	TDA-75C	TDA-100C	TDA-150C	TDA-200C	TDA-300C
L (mm)	925	998	1158	1158	1445	1445	1481
W (mm)	797	797	832	832	959	959	951
H (mm)	1805	2018	1992	2253	2345	2727	2800

### 工 塑料干 曲 图 Engineering Plastic Drying Curve Chart

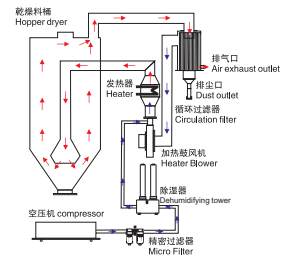


### 干

- ◆在变虹除湿塔内急速降压的同时,就能获得-40的露点除湿气。
- ◆除水除油筛检程式将车间送来的压缩空气空气中的水份及油份过滤清洁,再送到除湿塔。
- ◆把-40露点除湿气(单向输送)不停的送到密封式除湿料桶,将料桶内所有原材料的湿气吸干。
- ◆该系统是单向送气,无须使用再生除湿气。

### Drying Procedure

- ◆Low dew point = -40 of dehumidified air will be obtained simultaneously by reducing pressure rapidly in the dehumidifying tower.
- ◆Excessive oil and water content from compressed air supply of workshop will be filtered before sending to dehumidifying tower.
- ◆-40 dew point of dehumidified air will be continuously delivered to close hopper dryer until moisture expelled to dried.
- ◆Air was delivered in one way direction under the system which no.



● 规格表 Specification Sheet

产品型号Model	TDA-25C	TDA-50C	TDA-75C	TDA-100C	TDA-150C	TDA-200C	TDA-300C	
料桶容量 Hopper Capacity	KG	25	50	75	100	150	200	300
干燥电热功率 Drying Heater Capacity	KW	2.5	2.5	4	4	6	9	15
干燥风机功率 Drying Blower Capacity	KW	0.25	0.37	0.75	0.75	1.5	2.2	2.2
输送风机功率 Conveying Blower Capacity	KW	1.1	1.1	1.1	1.1	1.1	2.2	1.5
处理风量 Air Capacity	L/min	30	50	80	80	110	150	305
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	3.85	4.0	6.8	6.8	9.6	10.4	19
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						
露点 Dew point	℃	-40℃以下 Below -40						
料管口径 Material Pipe Size	inch	1.5						
料斗(成型机上) Hopper Receiver		SR3E-40			SR6E-40			SR12E-40
机器重量 Weight	KG	191.5	208	232	241	341	372.5	599
选配 Option		1.露点显示 Dew-point Indicators 2.旋风分离器 Cyclone Separator						

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

● 干燥能力 Drying Capacities

原料 Material	干燥温度 Drying Temperature(℃)	干燥时间 Drying Tim (hr)	干燥能力/Drying Capacities(kg/hr)						
			TDA-25C	TDA-50C	TDA-75C	TDA-100C	TDA-150C	TDA-200C	TDA-300C
ABS	80	3-4	5	10	18	25	38	50	76
POM	100	2	13	25	30	50	75	100	150
PMMA	80	2-3	12.5	17	22.5	35	46.5	58.5	100
LONOMER	90	4-5	5	10.5	12.5	20	25	36.5	60
Pa6	75	4-6	4.5	9	10	17	25	34	50
Pa6.6	75	4-6	4.5	9	10	17	25	34	50
Pa6.10	75	4-6	4.5	9	11	17	25	34	50
PC	120	3-4	7.5	13	16.5	25	38	50	76
PU	90	2-3	12.5	17	22.5	35	46.5	58.5	100
PBT	130	3-4	8	13	17	24	36	48	72
PE	90	1	25	50	70	100	150	200	300
PET	160	4-6	7	9	12	17	25	34	50
PETG	70	3-4	7.5	13	16.5	25	38	50	72
PPO	110	2	15	25	37.5	50	75	100	150
PP	90	1	25	50	70	100	150	200	300
PD(GP)	80	1	25	50	70	100	150	200	300
PSU	120	3-4	7	13	17	27	36	50	72
PVC	70	1	25	50	70	100	150	200	300
SAN(AS)	80	2	15	25	37.5	50	75	100	150

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



三机一体(蜂巢  
转轮型三机一体)  
3 in 1 Compact  
Dehumidifying Dryers

● 特点 Features

- 标准型三机一体除湿机都配备蜂巢转轮，可得到稳定性好的低露点干燥空气。
- 集除湿、干燥、二段送料三种功能于一体，并可选择三段送料功能。
- 双层保温干燥料桶采用下吹式风管设计，防止热能流失，提高干燥效率。
- 除湿系统采用双冷却器结构，确保更低回风温度及露点。
- 送料系统配备截料阀，确保料管中无残余原料。
- 多重保护装置。
- 光学级机型所有原料接触面采用不锈钢镜面抛光处理，并且搭配密闭回路的送料系统，可避免干燥后的原料因接触外界空气而再度回潮。
- 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。
- 内部装有回风过滤器，确保蜂巢转轮不受原料粉尘污染。
- 采用国外高级进口组件，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。

- 3 in 1 compact dehumidifying dryers are equipped with honeycomb rotor which can acquire stable low dew-point drying air.
- To integrate the function of dehumidifying, drying and two-stage conveying into single unit. Three-stage conveying function is optional.
- Double-wall insulated hopper dryers features down-blowing pipe design to avoid heat dispersion for improving drying efficiency.
- The dehumidifying system employ double coolers for ensuring lower return air temperature and dew-point value.
- Feeding system is equipped with shut-off valve to ensure no remaining material in hopper tube.
- Multiple safety protection device.
- Optical-class models use mirror polished treatment on the material contact surface to avoid material contamination and collocate feeding system with closed-loop in order to avoid the possibility of moisture regain for absorbing outside air during material conveying.
- To adopt P.I.D temperature controller to accurately control regenerative temperature to ensure dew-point stable.
- Return air filter is installed inside to ensure no powder & dust contamination to the honeycomb rotor.
- Using imported superb parts which enhance function and extend service life for saving maintenance cost.
- Powder coated frame of machine with exquisite appearance.

乃是集合除湿，干燥，送料三种功能于一机。三机一体的设计不占空间，体积小特别适用于自动化程度高，空间紧凑的场所。全机采用微电脑控制，控制操作简单，性能稳定，能耗更低，干燥风量50~300 m3/hr。此外也针对光学级产品之生产制造而设计光学级三机一体除湿干燥机，以满足客户不同的需求。

This series integrate the function of dehumidifying, drying, and two-stage conveying into one unit with compact design to save space, ideal to high demands of automation system and limited working space. It adapts PLC controller with the superior features on easy operation, stable function, and low power consumption. The drying air flow ranges from ~ m/hr. In addition, we design optic class in compact dehumidifying dryers for optic products to satisfy with customers' various demands.

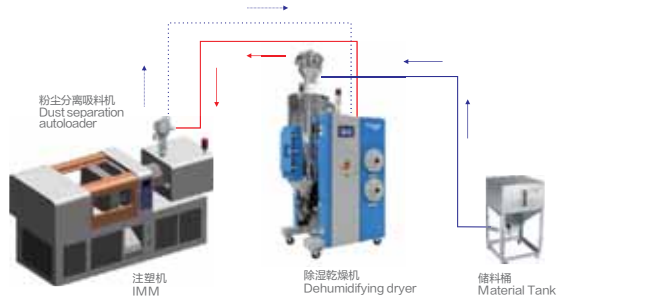
陶瓷蜂巢转轮除湿机  
Ceramics Honeycomb Rotor Dehumidifier  
- 风量 Air volume

全不锈钢保温下吹式干燥机  
Full stainless insulated hopper dryer  
(hot air down-blowing type)-K G

全不锈钢二段或三段送料机 管中无料装置  
Full stainless autoloader for 2-stage or 3-stage conveying (no residual material in the pipe)

高质量高效率的干燥输送系统  
High-quality and high-efficiency drying delivery system

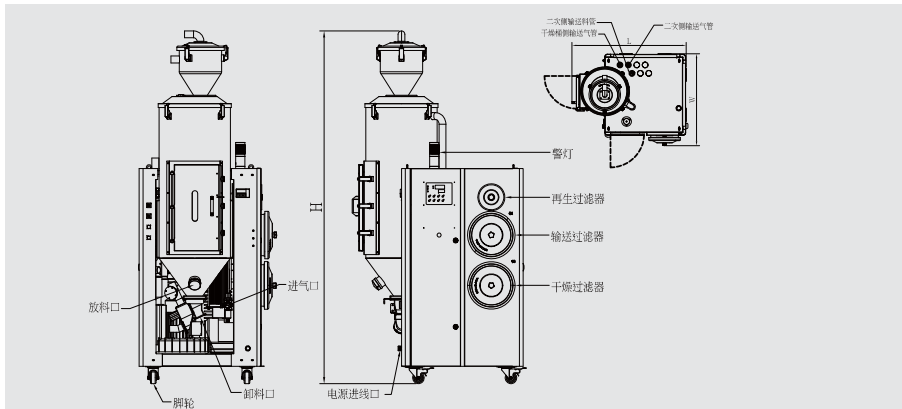
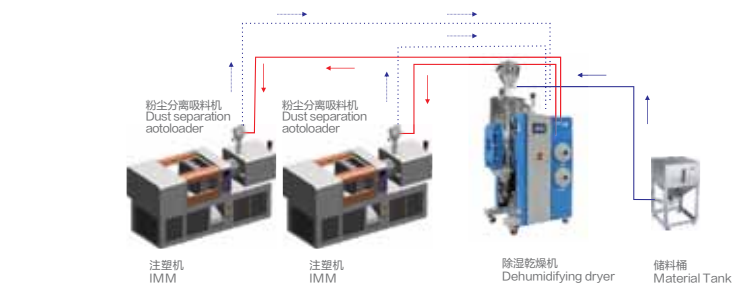
● 一对一除湿干燥送料系统 1 to 1 Dehumidifying drying and feeding System



原料除尘装置获得实用新型专利  
Practical New Patent for Dust Filter Device  
专利号/Patent No : ZL 201120301776.9

该专利亦可应用节能型三机一体, 中央供料系统, 自动送料系统  
The Patent can be applied to 3 in 1 Heatless Dehumidifying Dryers (Energy - Saving type), Centralized Feeding System, Feeding & Conveying System

● 一对二除湿干燥送料系统 1 to 2 Dehumidifying drying and feeding System



机型	TDB-25C	TDB-50C	TDB-75C	TDB-100C	TDB-150C	TDB-200C	TDB-300C
L (mm)	953	953	1174	1250	1455	1532	1940
W (mm)	766	766	918	963	996	994	1018
H (mm)	1800	2038	2105	2282	2480	2465	2839

● 光学级三机一体除湿干燥机主零件 Main Components Optical Type of 3 in 1 Dehumidifying Dryers



控制器 Control panel

提供数位设定及显示干燥温度、供料时间、系统运作状况及错误讯息。并设有密码、不同参数设定, 干燥温度检测等。

Provide digital setting and display drying temperature, material feeding time, system operation status and error information. And is equipped with password, different parameters setting, the drying temperature detection, etc.



蜂巢转轮 Honeycomb Rotor

蜂巢式陶瓷除湿转轮是以陶瓷纤维为基材形成蜂巢转轮, 然后利用特殊化学合成两段长晶方法, 把吸湿剂硅胶和分子筛子均匀长晶在陶瓷纤维转轮上, 使其具有极强吸湿能力。使用此转轮, 除湿干燥机可达到-40℃低露点, 并可使效能大幅度提升。

The "pollution-free" honeycomb rotor is coated with molecular sieves and silica gel that are strongly bonded to ceramic fibers inside the rotor by special chemical crystallization. With the rotor, the dryer can provide low dew-point (-40degree), and performs all of these processes more quickly and more efficiently than any other dryer available.



HEPA过滤器 HEPA Filter

使用高效能之HEAP过滤器 (0.3um/99.99%) 以防止任何污染。

The unit uses a high-performance HEPA filter (0.3um/99.99%) as drying filter to prevent any contamination.



光学级管路 Piping

光学级管路, 可防止输送原料时遭受污染。

All piping work is for sanitary applications to prevent contamination when conveying the dry material.

● 规格表 Specification Sheet

产品型号Model	TDB-25C	TDB-50C	TDB-75C	TDB-100C	TDB-150C	TDB-200C	TDB-300C
料桶容量 Hopper Capacity	KG	25	50	75	100	150	200
除湿风量 Dehumidifying Air	CMH	50	50	50	80	120	200
干燥电热功率 Drying Heater Capacity	KW	2.5	2.5	4	6	9	12
干燥风机功率 Drying Blower Capacity	KW	0.25	0.37	0.37	0.75	1.1	2.2
再生电热功率 Regen. Heate Capacity	KW	2.5	2.5	2.5	3	4	6
再生风机功率 Regen Motor Capacity	KW	0.18	0.18	0.18	0.25	0.37	0.55
输送风机功率 Conveying Blower Capacity	KW	1.1	1.1	0.75	1.1	1.1	1.5
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	7.03	7.13	8.8	12.1	16.57	23.25
电源线规格 Wires Specifications	mm2	4 x 4			4 x 6		4 x 10
电源线长度 Wires Length	M	5					
露点 Dew point	°C	-40°C以下 Below -40					
料管口径 Material Pipe Size	inch	1.5					
料斗(成型机上) Hopper Receiver		SR3E-40			SR6E-40		SR12E-40
机器重量 Weight	KG	242.5	257.5	231.5	312.5	454.5	554
选配 Option		1.露点显示 Dew-point Indicators 2.旋风分离器 Cyclone Separator					

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

## 双桶式三机一体 Double hopper 3 in 1 compact dehumidifying dryer



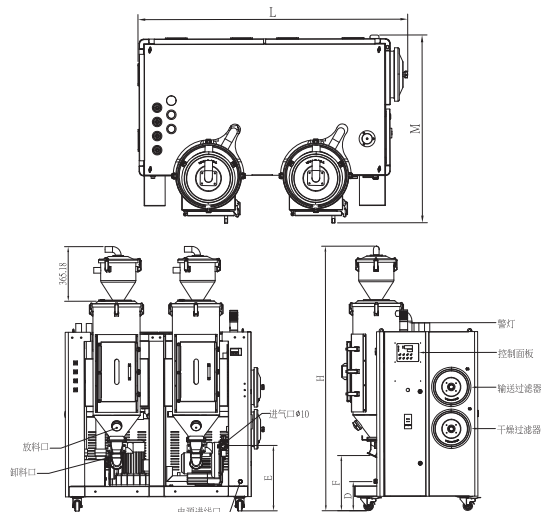
### ● 特点 Features

- 双桶式三机一体，可同时干燥两种不同的原材料，设定不同的温度。
- 具备三机一体所有功能
- 省能源、省空间。

- Double hopper 3 in 1 compact dehumidifying dryer.
- Has all function of 3 in 1 compact dehumidifying dryer.
- Saves energy, saves space.

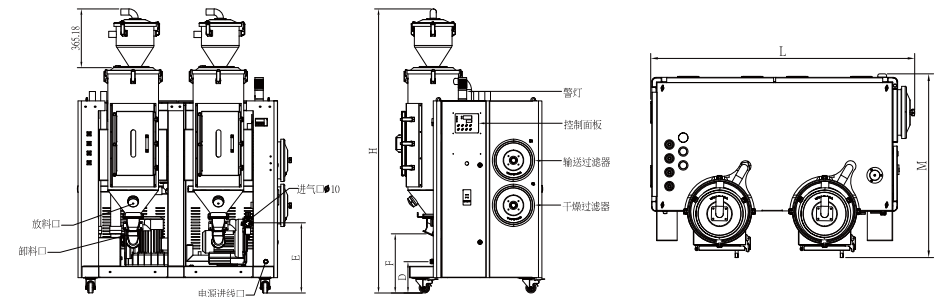
### ● TDA双桶式三机一体 TDADouble hopper 3 in 1 compact dehumidifying dryer

机型Model	TDA-25DC	TDA-50DC	TDA-75DC	TDA-100DC
L(mm)	1332	1332	1634	1635
M(mm)	927	956	1060	1060
H(mm)	1744	2003	2087	2167
D(mm)	195.5	195.5	195.5	195.5
E(mm)	420	420	420	420
F(mm)	368	350	276	370



### ● TDB双桶式三机一体 TDBDouble hopper 3 in 1 compact dehumidifying dryer

机型Model	TDB-25DC	TDB-50DC
L(mm)	1332	1332
M(mm)	956	956
H(mm)	1944	1999
D(mm)	195.5	195.5
E(mm)	420	420
F(mm)	350	350



### ● 规格表 Specification Sheet

产品型号Model	TDA-25DC	TDA-50DC	TDA-75DC	TDA-100DC	TDB-25DC	TDB-50DC	
除湿种类 Dehumidifying type	节能型 Energy saving type				转轮型 Homeycomb rotor type		
风量 Dehumidifying air capacity	m3/hr	35 × 2	50 × 2	80 × 2	100 × 2	35 × 2	
露点 Dew point	℃	提供-40℃压缩空气 Supply -40℃ pressure air				-40℃	
干燥温度 Drying Temperature	℃	70-160℃					
冷却方式 Cool mode	A、B桶温差小于30度无需接冷却水 The temperature difference between barrels a and b is less than 30 degrees and cooling water is not required.						
干燥电热功率 Drying Heater Capacity	KW	2.5 × 2	3 × 2	3 × 2	4 × 2	2.5 × 2	
干燥风机功率 Drying Blower Capacity	KW	0.7	1.1	1.5	2.2	0.37	
再生电热功率 Regen. Heate Capacity	KW	无NONE				2.5	3
再生风机功率 Regen Motor Capacity	KW	无NONE				0.18	0.25
输送风机功率 Conveying Blower Capacity	KW	1.1		2.2		1.1	
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	7.8	8.4	10	14.5	9.35	11.65
电源线规格 Wires Specifications	mm2	4 × 2.5		4 × 4	4 × 6	4 × 4	
电源线长度 Wires Length	M	5					
料管口径 Material Pipe Size	inch	1.5					
料斗(成型机上) Hopper Receiver		SR3E-40		SR6E-40	SR3E-40		
机器重量 Weight	KG	283	320	365	380	296	337
选配 Option		露点显示 Dew-point Indicators 2.旋风分离器 Cyclone Separator 3.中间料位计 Intermediate Level Meter					

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



# 氮气三机一体 Nitrogen Dryer Series

## ● 特点 Features

- 高浓度氮气充满原材料，98%以上，成型合格率提高。
- 美国原装氮气发生器。
- 减少成型时产品黄变，提高产品合格率。
- 原料为全封闭结构，不受外界环境影响。
- 干燥筒在注塑机上方(20kg以下)。
- 延长成型机螺杆碳化时间，减少设备的维护成本。
- 利用日本制压缩空气无热再生原理提供除湿空气。
- 设备为光学级除粉式，日本制高效过滤器，0.3μm X99.99%。
- 封闭循环式氮气输送。
- 超低能耗。
- 多重保护装置。
- 也可去除氮气装置，作为小型除湿干燥机使用(选购项)。

- Be full of high concentration nitrogen, above 98%, improve the qualified of molding.
- American original nitrogen generator.
- Reduce product yellowing during molding, improve the qualified of product.
- Material in whole sealing, not suffer from external environment.
- Dryer hopper installed above injection machine (below 20kg)
- Delaying carbonization time of make-up machine screw, reduce maintenance cost of machine.
- Apply dehumidifying air with compression air heatless regeneration principle from Japan.
- The equipment clean the powder optically.
- Delivery nitrogen in close system.
- Ultralow energy consumption.
- Multiple protect equipment.
- Also it can wipe off nitrogen equipment, use it as dehumidification dryer(option).



洁净环境下生产光学镜头及导光板等原材料的干燥设备。常用于PC、PMMA、COP、COC、PA46、OKP、PPS、PEI (ULTEM)。

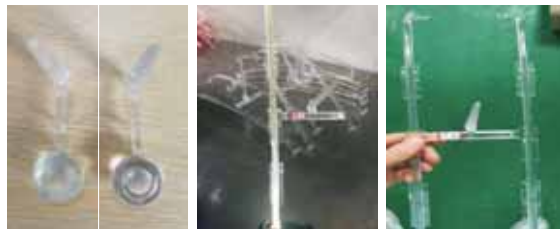
Drying equipment that produce lianr and Light Guide Plate in clean environment. Usual be usedfor PC,PMMA,COP,COC,PA46,OKP,PPS,PEI (ULTEM).

## ● 产品展示(可以使用氮气三机一体) Product exhibit( can use nitrogen dryer series)



导光板1.5mm厚 LGP 1.5 mm thick  
导光板0.2mm厚 LGP 0.2 mm thick  
手机镜头透镜 Phone camera Lens  
手机镜头透镜(显微镜下检验) Phone camera Lens (use microscope test)

## ● 产品展示(使用氮气三机一体对比) Product exhibit( compare with nitrogen dryer series)

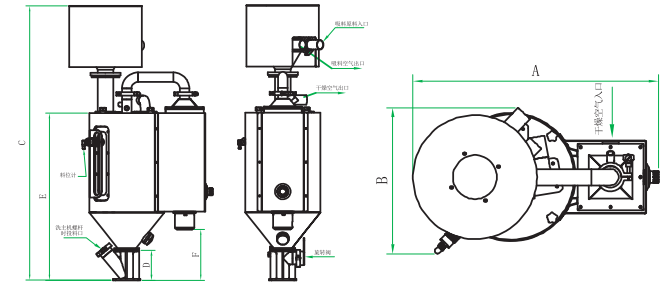


LED透镜COC (普通三机一体除湿 LED lens COC (general LED lens COC (TDN-10) qualified)  
LED透镜COC (氮气三机一体除湿 LED lens COC (TDN-20) qualified)  
导光板PMMA (普通三机一体除湿 LGP PMMA (general 3 in 1 machine) yellowing)  
导光板PMMA (氮气三机一体除湿 LGP PMMA (TDN-20) qualified)

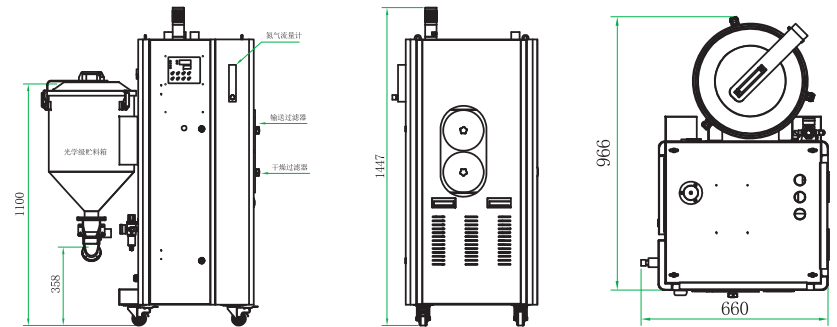
## ● 产品结构图 Product Structure Diagram

### 1、干燥桶体 Dryer Hopper

机型Model	TDN-10C	TDN-20C
A(mm)	573	625
B(mm)	341	387
C(mm)	1150	1254
D(mm)	120	120
E(mm)	670	775
F(mm)	203	308



### 2、三机一体主机 3 in 1 Compact Dehumidifying Dryers



## ● 规格表 Specification Sheet

产品型号Model		TDN-10C	TDN-20C
装料量(0.6kg/hr) Capacity(0.6kg/hr)	KG	10	20
干燥风量 Dry air capacity	m <sup>3</sup> /hr	20	30
氮气浓度 Concentration	%	98	
干燥温度 Dry temperature	℃	70~160	
干燥风机 Dry blower	KW	0.18	0.18
干燥加热管 Dry heater	KW	1.8	1.8
投料箱体积 Storage volume	Lr	40	
输送风机 Feed blower	KW	1.1	1.1
输送条件 Feed condition		料箱至干燥桶: φ38PVC软管, 水平2米以内 Storage to hopper: φ38PVC hosepipe, 2 m horizontal	
压缩空气条件 Compress air condition		大于0.6mpa*20Lr/min More than 0.6mpa*20Lr/min	
电源380V/50Hz Power380V/50Hz	KW	3.5	3.5