

TCDE系列 三机一体(节能型三机一体)

TCDE Series 3 in 1 Compact Dehumidifying Dryers

● 特点 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。
- 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。
- 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)。
- 故障智能警报，时间智能预约。
- 光学级除粉式三机一体专用于无尘或净化车间。
- 多重保护装置。
- 采用高品质组件，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。

- 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
- Double-wall insulated hopper dryers features down-blowing pipe 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。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. 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.

● 选择加装配件 Options



旋风分离器图
Cyclone Separator

● 规格表 Specification Sheet

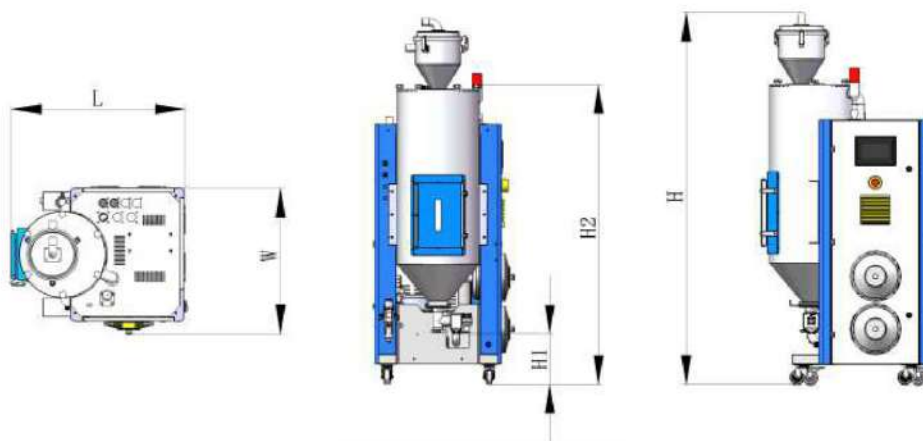
型号Model	TCDE-25	TCDE-50	TCDE-75	TCDE-100	TCDE-150	TCDE-200	TCDE-300	TCDE-400
露点Dew point(°C)	-40							
干燥温度Drying temperature (°C)	70 ~ 160							
控制方式Control method	PID控制 PID control							
料桶容量Effective capacity (L)	42	84	125	167	250	333	500	670
装料量Feeding volume (kg)	25	50	75	100	150	200	300	400
料桶材质Hopper material	SUS201(镜面 Buffing)							
干燥加热器功率Drying heater capacity(kW)	3	3	4	4	6	12	12	18
干燥风机功率Drying blower capacity(kW)	0.25	0.4	0.55	1.1	1.5	2.2	2.2	3
输送风机功率Conveying blower capacity(kW)	1.1	1.1	1.1	1.1	1.5	1.5	2.2	2.2
输送距离 (水平距离) Conveying distance(Horizontal distance)(m)	11	11	11	11	15	15	22	22
配管 (输送) Piping(conveying)(mm)	φ38.1 PVC软管 φ38.1 PVC hose							
用电规格Electricity specification	AC380V 3P/PE 50Hz							
总电气容量Total electrical capacity (kW)	4.55	4.7	5.85	6.4	9.2	15.9	16.6	23.4
压缩空气使用量Compressed air requirement(L/min)	2							
保护功能Protection function	三相电检测/感温探头故障/温度过高/首次超温故障/风机过载/电热超温/加热失效 Three-phase electrical detection/temperature sensor failure/overtemperature/first overtemperature failure/fan overload/electric heating overtemperature/heating failure							
产品颜色Product color	SPCC白色烤漆 (RAL7047)、SPCC蓝色烤漆 (RAL5012)、SUS SPCC white baking paint (RAL7047), SPCC blue baking paint (RAL5012), SUS							
产品净重Product net weight (kg)	134	138	160	210	240	265	465	475

注1：露点根据使用条件有所变动。
Note:The dew point varies according to ambient air conditions.

注2：以上装料量是以堆积密度0.6kg/L,直径为3-5mm塑料原料颗粒为标准。
Note: The above charging amount is at a bulk density of 0.6 kg/L, plastic raw material particles with diameter of 3-5 mm are standard.

● 产品结构图 Product Structure Diagram

单位/Unit: mm



型号 Model	TCDE-25	TCDE-50	TCDE-75	TCDE-100	TCDE-150	TCDE-200	TCDE-300	TCDE-400
L	838	871	1061	1061	1098	1098	1605	1675
W	731	736	844	844	976	976	1016	1086
H	1726	1910	1921	2164	2164	2464	2735	2832
H1	331	278	278	278	338	338	404	348
H2	1381	1562	1578	1816	1819	2119	2394	2490
包装体积(m³)	1.2	1.3	1.8	2	2.4	2.8	4.7	5.3
包装尺寸(cm)	88x75x175	88x75x195	107x86x195	107x86x220	110x100x220	110x100x250	163x105x275	170x110x285

注3：选配、选购功能整机尺寸会变化；非标机型尺寸另行通知。
Note3:The size of the whole machine will change when selecting and selecting functions, and the size of non-standard models will be notified separately.

注4：产品规格如有变更，恕不另行通知。
Note4:Specifications are subject to change without notice.