Taida Plastic Technologies (Zhongshan) Co., Ltd.

A professional manufacturer for plastic auxiliary equipments, for more than 15 years

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About Us

TAIDA Plastic Technologies Zhongshan(headquarters)

TAIDA Plastic Technologies Anhui(branch company)

Located in Guangdong province, Taida Plastics Technologies (Zhongshan) Co., Ltd, was established in 2008. With the rapid development of the plastics industry, we've established a branch company-Anhui Taida Plastics Technologies Co., Ltd in 2011 in Wuhu City, Anhui Province.

Our products consist of six series and three systems: Drying and Dehumidifying, Feeding and Conveying, Dosing and Mixing, Heating and Cooling, Granulating and Recycling, Intelligent Robot, Central Feeding System, Central Cooling System, PET System, design & production of non-standard automation.

We've not only gained more than 100 design patents for invention and new technology patents but also has passed the IS09001; 2008 international quality management system certification as well as the European Union mandatory CE certification. In addition, we were honored as "GUANGDONG Well-Known Brand" in 2009 and won the honor title of "China Famous Brand" "New High-tech Enterprise" in 2012 and "China Credit Enterprise" in 2010, etc.

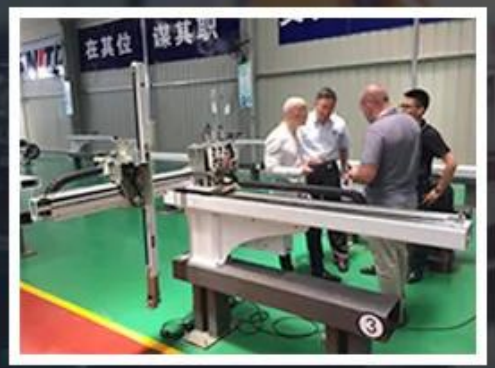
Sticking to our management principle and advanced technology, we've won our customers' support and trust, and our products are popularly exporting to more than 30 countries and regions such as Europe, American as well as Asia.

Factory Views

Standardized production management system









Drying And Dehumidifying

Hopper Dryer

THD series hopper dryers offer an effective and low-cost method for plastic material drying. Hot air is used to dry wet matarials due to moisture absorption during packaging, transportation, and recycling. They can be directly mounted on the moulding machine for quick drying and space saving.
For this series, hot air blows evently from bottom to the top (both THD-800 and THD-1000 have down-blowing air pipe and accessible door for easy material clearance)of the hopper with capacity ranging from 12kg to 1000kg. all models can be supplied with optional 24 hours auto start/stop timer.

THD-50

Features:
• Adopt hot air diffuser to gain an even hot air flow to improve drying efficiency.
• Unique hot air inlet elbow design can prevent dust pilling up at bottom of the pipe heaters so to avoid burning.
• All material contact surfaces are made of stainless steel to eliminate material contamination.
• Separable hopper base provides easy access to hopper tank for the convenience of material changing and cleaning.
• Proportional deviation indicative temperature controller for accurate temperature control.
• Overheat protectors to prevent accidents by human error or machanical faults.
• Standard aluminum bases are equipped to all models in the series.
• Overheat indicating light, motor contactor and overload relay are equipped standard, to all models except for Economy type.
•Exposed power switch is equipped, to all models except for Economy type.
• Timer and double insulated hopper are available as options.
• More optional accessories: "L" "A" type floor stand, dried-material suction box, hopper magnet, magnetic base, hot air recycler, blower inlet filter, exhausted air filter, and cyclone dust separator.

Optional parts:

Cyclone Dust Separators

Effectively filters 90% dust–contain air which is discharge from dryer so to avoid air pollution.

Exhaust Air Filters

Effectively filter 80% dust–contain air which is discharged from dryer so to avoid air pollution.

Hot Air Recycler

Work with hopper dryer to make the hot air form a semi–hermetic circulated loop and has features as follows.

1)Hot air recycling and circulating to avoid indoor temperature rising up.

2)Keep air in factory clean and ensure good product quality.

3)Heating by fast hot air circulation can low down energy consumption to 40%.

Magnetic Bases

Made of aluminum with built–in hopper magnet,can effectively separate metal scraps out so to avoid material contamination.

Specifications:

Model No.	THD-12	THD-25	THD-50	THD-75	THD-100	THD-150	THD-200	THD-300	THD-400	THD-500	THD-600	THD-800	THD-1000
Process Heater Power (kw)	2.4	3	4.5	6.6	6.6	6.6	12	15	18	19.5	21	24	36
Process Blower Power (kw)	0.075	0.17	0.17	0.2	0.2	0.2	0.33	0.33	0.41	0.41	0.55	0.55	1.1
* Mixing power (kw)	——	——	——	——	0.75	0.75	1.5	1.5	2.2	2.2	2.2	3	3
* Mixing speed (r/min)	——	——	——	——	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
* Tank Capacity (L)	20	40	80	120	160	230	300	450	600	750	900	1200	1500
Capacity(kg)	12	25	50	75	100	150	200	300	400	500	600	800	1000
A(mm)	Φ325	Φ385	Φ470	Φ530	Φ595	Φ595	Φ750	Φ750	Φ910	Φ910	Φ910	Φ960	Φ960
B(mm)	660	725	840	900	955	955	1230	1230	1365	1365	1365	1420	1420
C(mm)	865	1015	1145	1240	1340	1580	1750	1985	2105	2285	2530	2700	3000
D(mm)	750	925	1045	1150	1340	1605	1480	1480	1840	1840	2015	2240	2470
E(mm)	360	405	490	550	605	605	770	770	915	915	950	600	600
F(mm)	370	460	520	620	725	970	975	1220	1220	1400	1545	540	540
H(mm)	110	210	220	220	226	226	258	258	302	302	302	1550	1845
I(mm)	170	170	170	170	166	166	158	158	222	222	222	222	222
G(mm)	375	410	380	475	470	470	550	550	775	775	775	950	950
K/L(mm)	150	150	150	150	220	220	257	257	345	345	345	345	345
M(mm)	Φ55	Φ55	Φ55	Φ55	Φ90	Φ90	Φ90	Φ90	Φ105	Φ105	Φ105	Φ105	Φ105
Net weight (kg)	35	40	45	55	70	75	120	120	165	170	240	280	300

We reserve the right to change specifications without pripor notice.

Note:1)Auto-timer,adds “T” to the back of the model.

2)Equipped with magnetic aluminum base, add "M" to back of model.

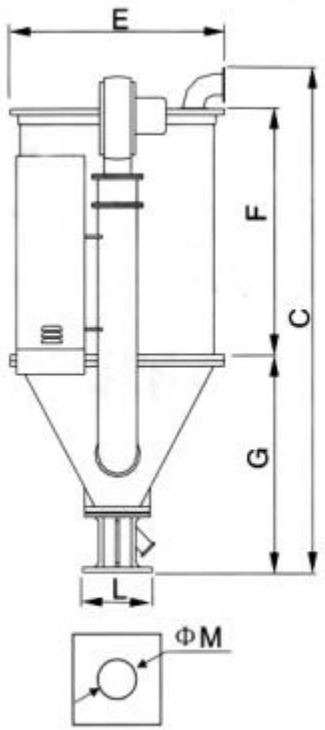
3)Double insulated layer,adds “I” to the back of the model.

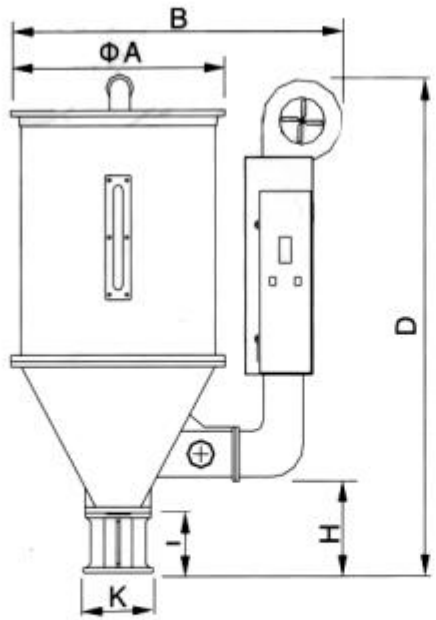
4)180 high temp.model,adds “H” to the back of the model.

5)Change into single phase voltage,adds “S” to the back of the model (apply to THD-12 ~ 75).

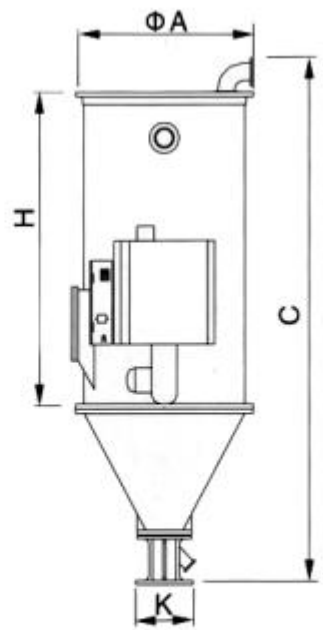
6)The capacity is based on plastic material of 0.65 in density and 3-5mm in diameter.

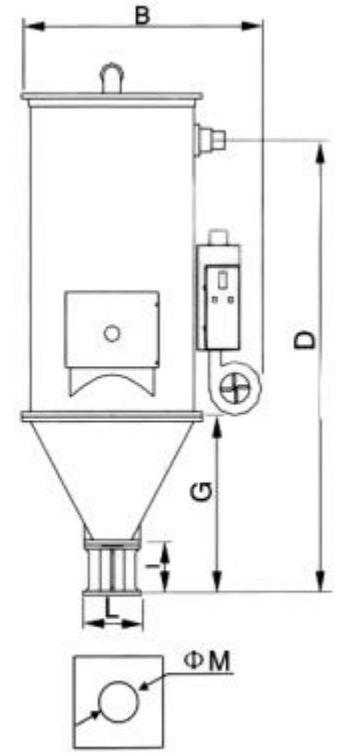
7)Power:3Φ,400V,50Hz.





THD-400-600





THD-800-1000

Drying & Conveying

The TDL series of drying loaders integrate plastic drying and loading injection moulding machine which are placed in height limited workshop. This combination offers a group of standard micro-switch hoppers which can be used to load dryed materials. Besides, TAL-900G is available to realize the two-stage loading function.

Features:
• Various models for customer to choose freely.
• Takes little space and easy for transportation and replacement.
• Adopts proportional deviation temp. indicating controller which controls the temp.accurately.
• Stainless steel hopper ensures no material pollutions.
• Equiped with alarming light to show faults at once.
• Hopper separated from its base, ensures cleaning conveniently.
• Evironment protective hot air recycling device can save energy up to 40%, without hot air or dust discharging.
• A closed loop material loading system to prevent the dryed material from contacting with outside air so to avoid damping.
• TDL integrate drying and single loading into one unit, adopts temp.controller to accurately control temp.24-hour timer is available for choose.
• Usual base and single tube suction box are standard accessories.
• Standard aluminum bases are equipped to all models in the series.
• Hot air recycler, blower inlet filter, air filter, cyclone dust collector, magnetic base, hopper magnet, Euro suction box as your options.
• Can match with TAL-900G to realize the two-stage loading function.

TDL-50+900G

TDL-50A Drying and Conveying Group

Note:1)Auto–timer,adds"T" to the back of the model.

2)Equipped with magnetic aluminum base, add "M" to back of model.

3)Double insulated layer,adds"I" to the back of the model.

4)180 high temp.model,adds"H" to the back of the model.

5)Euro safety regulation,adds"CE"to the back of the model.

6)Change into single phase voltage,adds"S" to the back of the model

(apply to THD–12 ~ 75)

Applicable Loader

Glass -tube hopper receiver

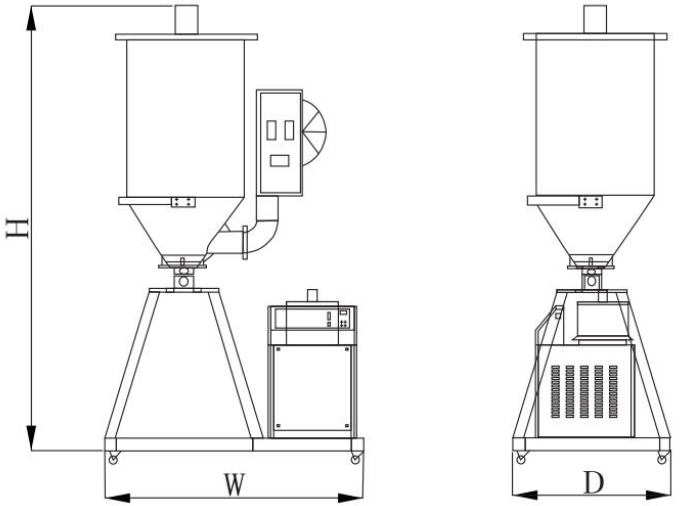
TVH(电眼料斗）

Vaccum hopper receiver

TMH(真空料斗）

Specifications:

Model No.	Applicable Dryer Model	Applicable Loader Model	Applicable Hopper Model	Conveying Capacity (kg/hr)	Hopper Volume (L)	Dimensions (mm) H*W*D	Net weight (kg)
TDL-25	THD-25	TAL-700G/800G	1×TVH-6L	300	6	1620×1000×640	95
		TAL-900G	1×TVH-6L 1×TMH-6L	450	2×6		
TDL-50	THD-50	TAL-700G/800G	1×TVH-6L	300	6	1750×1000×640	110
		TAL-900G	1×TVH-6L 1×TMH-6L	450	2×6		
TDL-75	THD-75	TAL-700G/800G	1×TVH-6L	300	6	1850×1000×640	115
		TAL-900G	1×TVH-6L 1×TMH-6L	450	2×6		
TDL-100	THD-100	TAL-700G/800G	1×TVH-6L	300	6	1950×1080×710	155
		TAL-900G	1×TVH-6L 1×TMH-6L	450	2×6		
TDL-150	THD-150	TAL-700G/800G	1×TVH-6L	300	6	2200×1080×710	160
		TAL-900G	1×TVH-6L 1×TMH-6L	450	2×6		
TDL-200	THD-200	TAL-800G	1×TVH-6L	300	6	2385×1140×840	210
		TAL-900G	1×TVH-6L 1×TMH-6L	450	2×6		
TDL-300	THD-300	TAL-800G	1×TVH-6L	300	6	2690×1140×840	285
		TAL-900G	1×TVH-6L 1×TMH-6L	450	2×6		
TDL-400	THD-400	TAL-800G2	1×TVH-6L	400	6	2800×1240×1020	285
		TAL-900G2	1×TVH-6L 1×TMH-6L	700	2×6		



We reserve the right to change specifications without pripor notice.

Euro-Hopper Dryer

The THD-U series Euro hopper dryers adopt hot air down-blowing design and use stainless steel material hoppers to avoid contamination. With this design, they are also ideally suited for use with honeycomb dehumidifiers to dry engineering plastics. There are 25 models, available, ranging from 20U to 8000U liters with airtight material cleaning door on models, available material cleaning door on models THD-80U and above. The microprocessor control featuring digital display and auto start/stop timer as standard equipment.

Features:
• Innovative design with sleek appearance.
• Hot air down-blowing design ensures even distribution of hot air to maintain a steady temperature in the hopper and increase drying efficiency.
• All material contact surfaces are made of stainless steel.
• Material clearance door seal and makes clean down more convenient and effective. (models THD-800 and above).
• Microprocessor is used for accurate temperature control.
• Overheat protection to ensure realiable operation.
• Digital P.I.D temperature control with LED display. 7 days automatic start/stop timer to improve energy saving.
• Aluminum bases are equipped to model THD-20U to THD-1200U
• Option accessories: magnetic base (aluminum or stainless steel), mobile floor stand, suction box, hot air recycling, exhaust air filter, blower inlet filter.
• Drying hopper and hopper lid can be fully insulated for high temperature application.

THD–160U

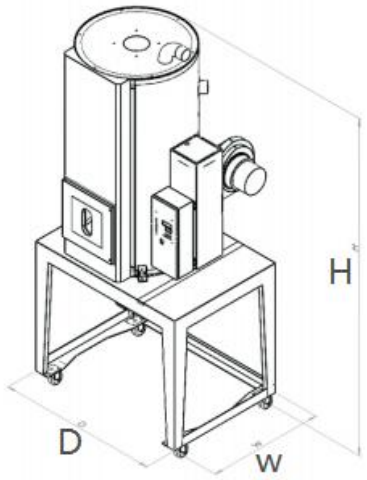
THD-1500U and above models

THD-80U + Floor stand and suction box

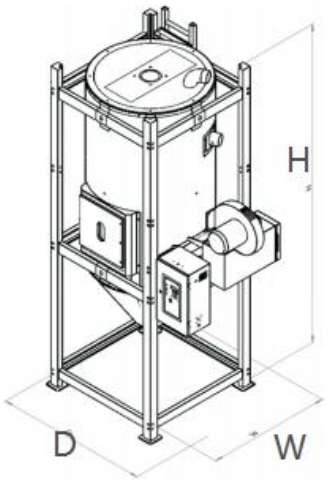
Specifications:

Model No.	Heater Power (KW)	Blower (KW)	Hopper Capacity(L)	Dimensions(mm) H*W*D	Floor stand (mm) H*W1*D1	Whole Height H2 (mm)	Air Inlet Pipe Dia	Air Outlet Pipe Dia	N.W (KG)
THD-20U	2.4/3	0.12	20	730×575×325	790×450×550	1260	2"	2.5"	40
THD-40U	3/4.5	0.17	40	760×640×390	790×450×550	1295			45
THD-80U	4.5/6.6	0.17	80	940×722×475	840×552×722	1465	2.5"	3.5"	50
THD-120U	4.5/6.6	0.2	120	1210×722×475	840×552×722	1735			60
THD-160U	6.6/7.2	0.2	160	1225×822×575	920×662×795	1825	3"	4"	90
THD-230U	6.6/7.2	0.2	230	1505×822×575	920×652×795	2105			100
THD-300U	12/15	0.33	300	1450×945×695	970×790×930	2085			130
THD-450U	15/18	0.33	450	1850×945×695	970×790×930	2435			160
THD-600U	18/24	0.55	600	1820×1170×915	1130×1000×1200	2470	4"	5"	200
THD-750U	18/24	0.55	750	2100×1170×915	1130×1000×1200	2780			220
THD-900U	18/24	0.55	900	2070×1340×1050	1320×1200×1200	2730	4"	5"	250
THD-1200U	24/36	0.75	1200	2500×1340×1050	1320×1200×1200	3160			380
THD-1500U	36/48	1.1	1500	2950×1542×1250	1400×1500×1500	3470	5"	6"	495
THD-2000U	36/48	2.2	2000	3350×1542×1250	1400×1500×1500	3870			570
THD-2500U	48/60	3.7	2500	3510×1770×1400	1500×1640×1640	4050	5"	5"	620
THD-3000U	48/60	3.7	3000	3910×1770×1400	1500×1640×1640	4400	8.6"	8.6"	700
THD-3500U	60/72	5.5	3500	4310×1770×1400	1500×1640×1640	4800			785
THD-4000U	60/72	5.5	4000	4050×1980×1600	1650×1900×1900	4550	8.6"	10.7"	860
THD-4500U	84/96	5.5	4500	4350×1980×1600	1650×1900×1900	4850			940
THD-5000U	84/96	5.5	5000	4650×1980×1600	1650×1900×1900	5150			1050
THD-5500U	96/108	5.5	5500	4950×1980×1600	1650×1900×1900	5450			1120
THD-6000U	96/108	5.5	6000	4350×2220×1800	1650×2100×2100	5100	8.6"	12.8"	1210
THD-6500U	108/120	7.5	6500	4600×2220×1800	1850×2100×2100	5350			1285
THD-7000U	108/120	7.5	7000	4850×2220×1800	1850×2100×2100	5600			1375
THD-8000U	120/132	11	8000	5350×2220×1800	1850×2100×2100	5850			1445

We reserve the right to change specifications without pripor notice.



THD-20U-450U(带脚架型）
with floor stand



THD-600U-8000U

Note: 1) For polished hopper inside, plus "P" at model behind.
2) Mark " HT " at the back of models when 180 high-temp is requested.
3) Blower is included in machine net weight, but floor stand is not included.
4) Power supply: 3Φ, 400V, 50Hz.

Tray Cabinet Dryers

TTCD series of cabinet dryers are mostly used for simultaneous drying of different kinds of polymers in small quantities or for drying materials for trial moulding. They can also be applied in electronic engineering, electroplating, pharmacy, paint baking, printing industries, etc. for preheating or drying related products.

Features:
• Accurate PID temperature control to achieve an even drying effect.
• Air-proofed insulative door can maintain temperature constantly inside to reduce energy consumption.
• Stainless steel tray and liner bring no contamination to materials.
• Optimal design for ease of maintenance and service.
• 24 hours timer, easy to operate.
• Overheat protector can prevent excessively drying.
• Motor overload relay.
• Visible alarm to indicate troubles immediately.
• Tray size and inner dimensions of the dryer can be specified according to requirements.
• Upon request, it can be built to comply with worldwide electrical safety standards (For example: CE).

TTCD-9

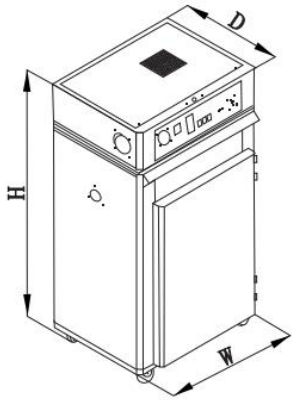
操控面板 Operator Panel

Specifications:

Model No.	Pipe Heater (KW)	Blower Power (KW)	Temperature Range (℃)	Quantity of Tray	Total Tray Capacity (kg)	Outer Dimensions (mm) H*W*D	内部尺寸（mm） Inner Dimensions H×W×D	N.W (KG)
TTCD-5	4.5	0.37	250	5	50	1300× 800× 685	640× 590× 540	150
TTCD-9	4.5	0.37	250	9	90	1550× 800× 685	900× 590× 540	180
TTCD-20	9	1.5	250	20	200	1800× 1210× 950	1000× 970× 800	415
TTCD-20L	18	1.5	250	20	350	1970×1440×1200	1190×1160×1040	550

We reserve the right to change specifications without pripor notice.

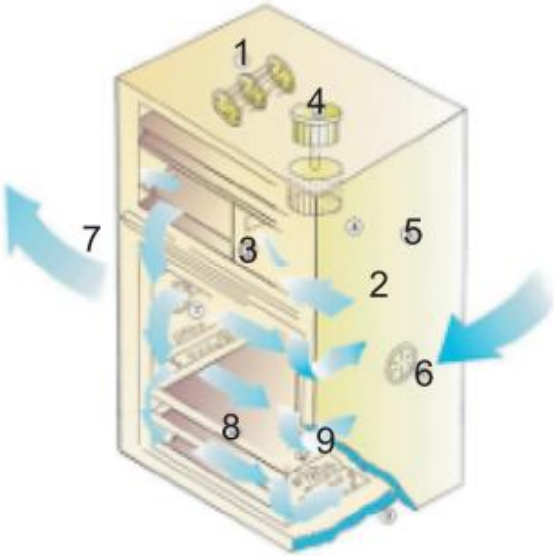
Outline Drawing



For cabinet dryer, materials to be dried are placed on the stainless steel made moveable material trays. made of stainless steel, During operation, process air will flow to heating wire and be heated up to required temperature, the flow through manifold with evenly scattered holes. Humid air is being exhausted from vents. It is designed to achieve an even drying effect.

1. Heating Wire
2. Air Inlet Blower
3. Air Chamber
4. Multi-vane Impeller
5. Paint-baked Steel Cover
6. Air Inlet
7. Air Exhaust
8. Stainles Steel Tray
9. Heat-resistant Layer

System Flow Chart



Honeycomb Dehumidifier

The TD-H series honeycomb dehumidifiers are mainly used to dry hygroscopic engineering plastics. A honeycomb-rotor is used in this series to offer effective drying. Under ideal conditions, honeycomb notor can supply dehumidified dry air with a dew-point down to -50 °C. The TD-H series offers accurate P.I.D. temperatures.
This series comprise 14 models of honeycomb dehumidifiers, the largerst of which can provide dry air up to a volume of 4000m³/hr.

Features:
• This series use P.I.D temperature control system, with regenerating temperature settings and real temperature display function.
• Equips with dehumidifying heater and temperature control gauge as options to dry and dehumidify the raw material.
• The dehumidifying system of the TD-H series features two condensers to ensure a low return air temperature and low dew-point.
• Main power switch with mechanical chain lock function.

TD-200H

URS
UKAS QUALITY MANAGEMENT
043-A

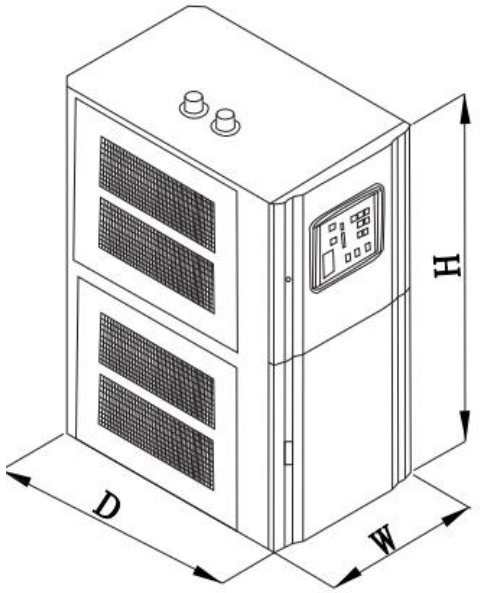
Specifications:

CX Series								TB Series							
Model No. TD-	30H	50H	80H	120H	150H	200H	300H	400H	500H	700H	1000H	1500H	2000H	3000H	4000H
Process Air Flow (m^3/hr)	30	50	80	120	150	200	300	400	500	700	1000	1500	2000	3000	4000
Process Blower (kw)	0.2	0.4	0.85	0.85	1.6	1.6	3	4	2.2	2.2	5.5	11	11	11*2	11*2
Regen. Heater (kw)	0.2	0.4	0.4	0.4	0.85	0.85	0.85	0.85	1.6	1.6	3	3	4	3*2	4*2
Regen. Blower (kw)	3	3	4	4	4	6	7	7	12	12	15	24	24	24*2	24*2
Outlet pipe Dia. (inch)	2"	2"	2"	2"	2.5"	2.5"	3	3	4	4	5	5"	8.5"	8.5"	8.5–10.7"
Voltage Specification	3ϕ, 400V, 50Hz														
Dimensions															
H(mm)	1260	1260	1360	1360	1560	1570	1745	1745	1935	1935	2145	2145	2060	2500	2500
W(mm)	480	480	530	530	660	660	900	900	900	900	1300	1300	1410	1600	2000
D(mm)	755	755	820	820	1050	1050	1255	1255	1380	1380	1550	1910	2150	2160	2200
Weight (kg)	80	80	120	140	215	225	240	280	290	300	400	510	630	760	880

Process heater and temperature control are optional to this series

We reserve the right to change specifications without pripor notice.

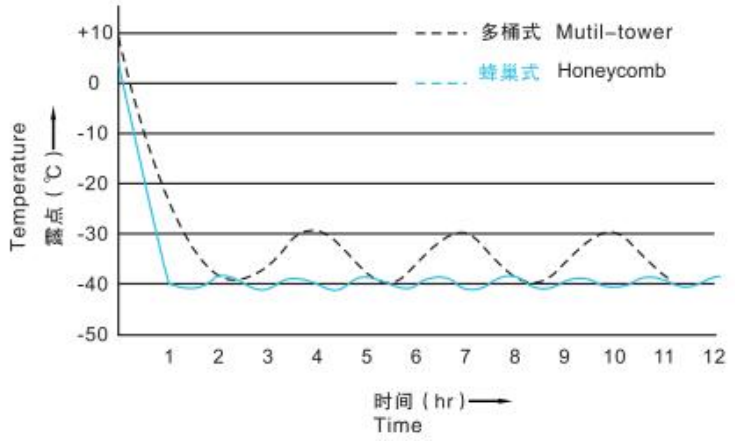
Outline Drawing



Humidity and Moisture Content:

露点（℃） Dew-point	相对湿度（%） Relative Humidity	含水率 Moisture Content	
		PPM	%
20	100	23.072	2.307
+10	52.50	12.117	1.212
0	26.10	6.027	0.603
−10	11.20	2.574	0.257
−20	4.40	1.025	0.103
−30	1.60	378	0.038
−40	0.60	128	0.013
−50	0.20	39	0.004

Dew-point Comparison

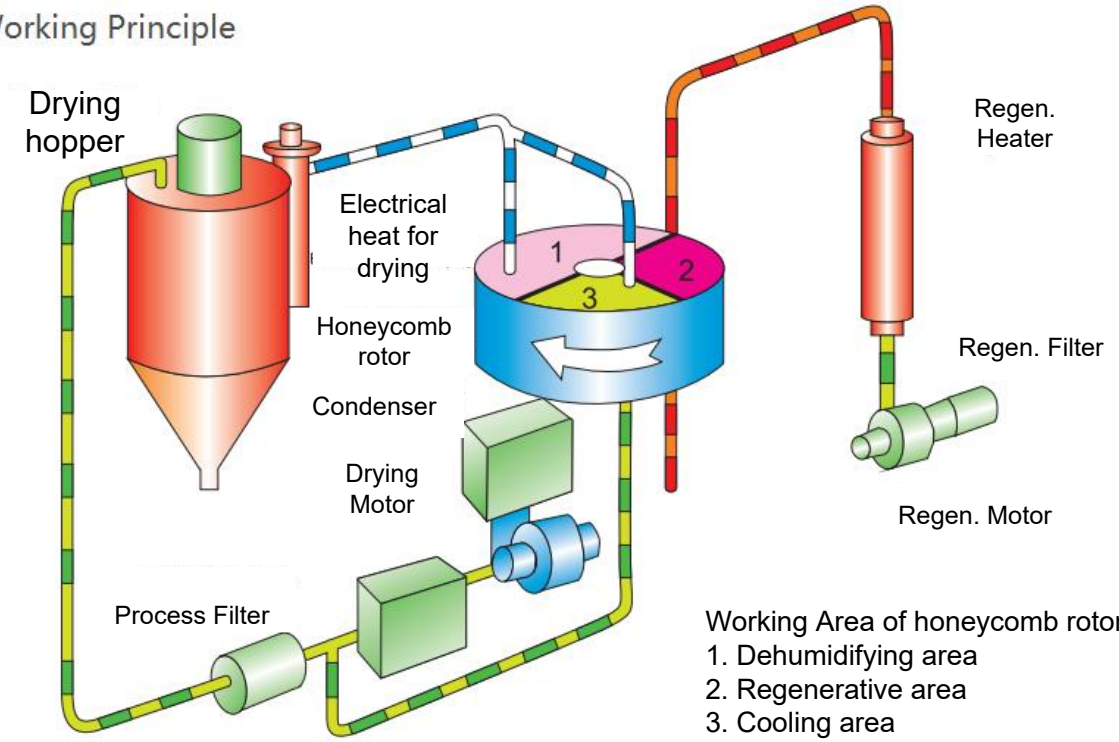


What is the Honeycomb rotor?

The main part of honeycomb rotor is made by ceramic fiber and organic additives, sintered under high temperature with molecular sieve and silica gel as basic material to bond together with inside of honeycomb to form the honeycomb-like structure. Unlike common dessicant or rotary molecular sieve, which, when aging, will produce dust, followed by process air to drying hopper, to pollute plastic material. honeycle rotor offers unlimited long service life and can be cleaned . The moisture of return air is quickly absorbed by molecular sieves when passing through numerous holes within honeycomb rotor. So when coming out of rotor it can form low dewpoint dry air.

The principles of regenerating and dehumidifying are similar and both of them carry out simultaneously. The only difference is that the two process winds are in opposite direction.

Working Principle



Working Area of honeycomb rotor:
1. Dehumidifying area
2. Regenerative area
3. Cooling area

Internal structure

Optional:

Dew point meter (portable)

Dewpoint Monitor (built-in)

Touch Screen

Heat-resistant neoprene hose

2 in 1 Honeycomb Dehumidifiers

The TDD series dehumidifying dryer combine dehumidifying and drying system in a single unit. They have many applications in processing plastic materials such as PA, PC, PBT, PET, etc. We offer two types of honeycomb rotors: H4 and H5 models, which under ideal conditions, can supply dehumidified dry air with a dew-point down to-50 and-50 respectively. All models featured with TD-H honeycomb dehumidifiers with built-in process heater, and insulated drying hopper. The TDD series offers accurate PID temperature control as standard, with
LCD touch screen, dew-point monitor, and hopper loaders.

Features:
• The TDD dehumidifying dryer use honeycomb dehumidifiers with an eye-catching semi-integral appearance.
• Each model combines dehumidifying and drying functions into a single unit.
• Material processing is controlled via microprocessor as standard, with touch screen PLC control as an option for more convenient control.
• Insulated drying hopper features dry air downblowing and cyclone exhaust design. This improves drying efficiency and reduces energy consumption whilst maintaining a steady drying effect.
• Compact in size for ease of movement and space saving.
• The dehumidifying section of the TDD series features two condensers to ensure a low return air temperature and low dew-point.
• Dew-point monitor can be fitted to check dry air dew-point.
• Optional suction box and hopper loader for conveying material conveniently.

TDD–300U/200H

Dewpoint Monitor (built-in)

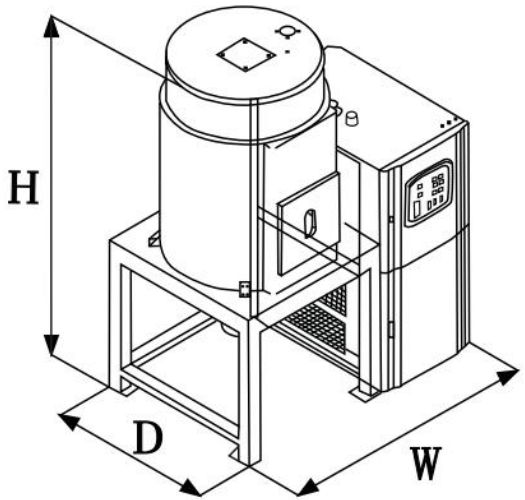
Touch Screen

Specifications:

Model No.	Regen. Heater Power (kw)	Regen. Blower Power (kw)	Process Heater Power (kw)	Process Blower Power (kw)	Dry Air Capacity (m^3/hr)	Drying Hopper Capacity (L)	Dimensions (mm) H * w * D	N.W (KG)
TDD-20U/30H	3	0.2	2.4/3	0.2	30	20	1240×875×755	110
TDD-40U/30H	3	0.2	3/4.5	0.4	30	40	1300×930×755	190
TDD-40U/50H	3	0.4	3/4.5	0.4	50	40	1300×930×755	190
TDD-80U/50H	3	0.4	4.5/6.6	0.4	50	80	1410×1030×755	210
TDD-120U/80H	4	0.4	4.5/6.6	0.85	80	120	1780×1220×820	250
TDD-160U/80H	4	0.4	6.6/7.2	0.85	80	160	1740×1220×820	255
TDD-160U/120H	4	0.4	6.6/7.2	0.85	120	160	1740×1220×82 0	265
TDD-230U/120H	4	0.4	6.6/7.2	0.85	120	230	2010×1220×820	295
TDD-230U/150H	4	0.4	6.6/7.2	1.6	150	230	2150×1450×1050	375
TDD-300U/150H	4	0.4	12/15	1.6	150	300	2040×1450×1050	410
TDD-300U/200H	6	0.4	12/15	1.6	200	300	2040×1450×1050	420
TDD-450U/200H	6	0.4	15/18	1.6	200	450	2440×1450×1050	550
TDD-450U/300H	7	0.85	15/15	3	300	450	2480×1490×1255	580
TDD-600U/300H	7	0.85	18/24	3	300	600	2380×1745×1255	615
TDD-600U/400H	7	0.85	18/24	4	400	600	2380×1745×1255	620
TDD-750U/400H	7	0.85	18/24	4	400	750	2610×1745×1255	650
TDD-750U/500H	12	1.6	18/24	2.2	500	750	2760×2140×1380	760
TDD-900U/500H	12	1.6	18/24	2.2	500	900	2640×2140×1380	820
TDD-900U/700H	12	1.6	18/24	2.2	700	900	2640×2140×1380	830
TDD-1200U/700H	12	1.6	24/36	2.2	700	1200	3070×2140×1380	870
TDD-1500U/1000H	15	3	36/48	5.5	1000	1500	3300×3600×2500	1200
TDD-2000U/1000H	15	3	36/48	5.5	1000	2000	3500×3600×2500	1500
TDD-2500U/1500H	24	4	48/60	11	1500	2500	3500×3600×2500	2000
TDD-4000U/2000H	24	4	72/84	11	2000	4000	4500×3900×2700	2800

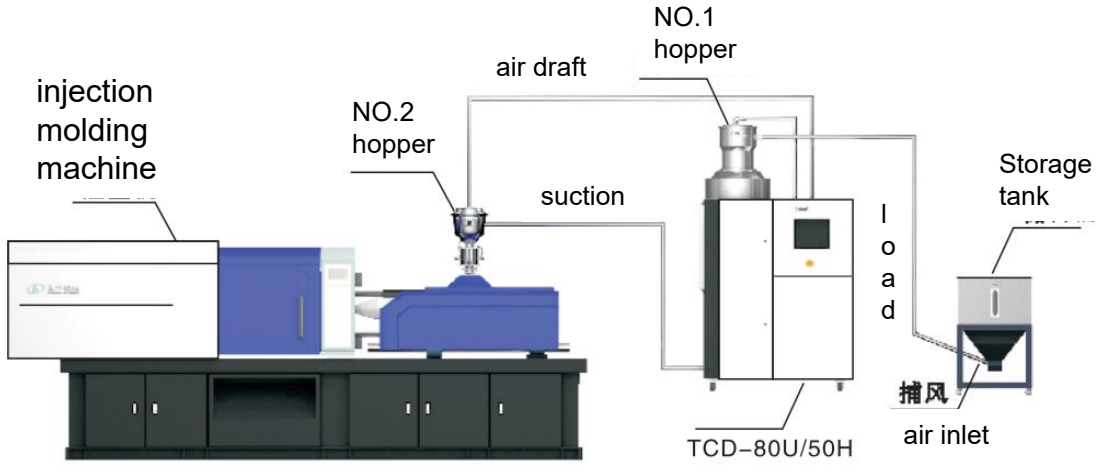
We reserve the right to change specifications without pripor notice.

Outline drawing

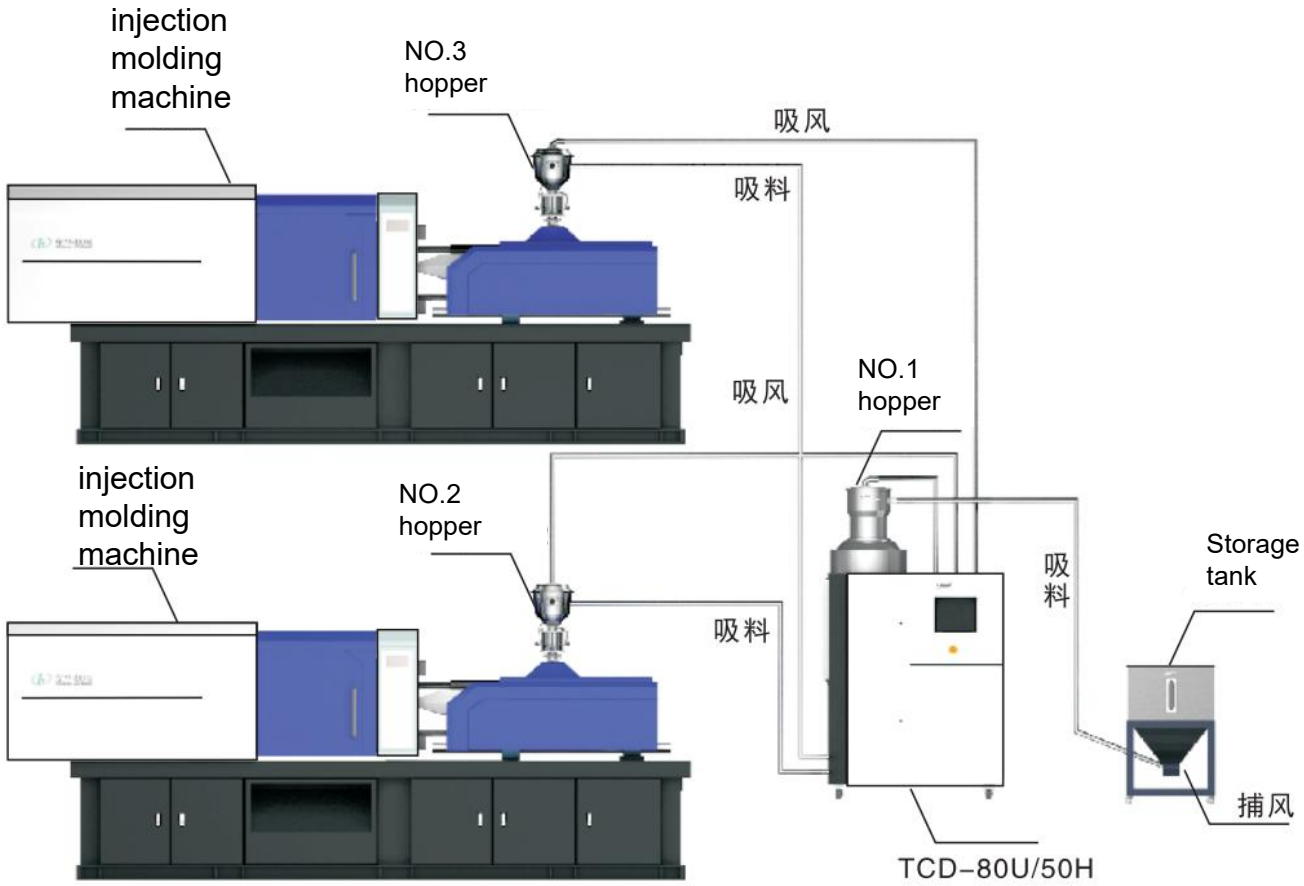


Note:1) Polished treatment on all material contact surfaces, add "P" at model behind.
2)Modified into "180℃ and heat-preservation" add "HT" at model behind.
3)LCD touch screen, PLC controller, add "LC" at model behind.
Suction box and hopper loader for conveying material conveniently.

1To1 2stage diagram



1To 2 3-stage diagram



All in one Compact Dryers

TCD series combining 2-stage feeding,
dehumidifying, and drying into one unit,
is widely used in all kinds of plastic raw materials, especially the hygroscopicity strong engineering plastics, such as PA, PC, PBT, PET. TCD-H in the ideal state can reach the lowest dew point of -50 °C. This series use TD-H honeycomb dehumidifier and stainless steel material barrel with down-blowing type. All series adopt P.I.D temperature control system for the standard equipment, and PLC control with LCD touch human-machine interface for selection. Dew point meter and automatic loading machine is optional.

Features:
TCD series compact dryers are equipped with honeycomb rotor for dehumidifying. They have two kinds of design: Fully-integral and semi-integral depending on the size.
Suitable for drying hygroscopic engineering plastics such as PA, PC, PBT, PET, etc.
Integration of dehumidifying, drying, and two-stage conveying functions in a single unit.
Three-stage conveying is also available as an option.
Insulated drying hopper features dry air down-blowing and cyclone exhaust design. This improves drying efficiency and reduces energy consumption which maintaining a steady drying effect.
Closed-loop conveying system eliminates the possibility of moisture re-absorption during material conveying.
The dehumidifying section of TCD series features two condensers to ensure a low return air temperature and low dew-point.
Equipped with pneumatic shut-off valve to ensure no material remains in the material line after each loading cycle.
Material processing is controlled via microprocessor as standard with touch screen PLC control as an option for centralised and automatic operation.
Dew-point monitor can be fitted to monitor and display dry air dew-point.

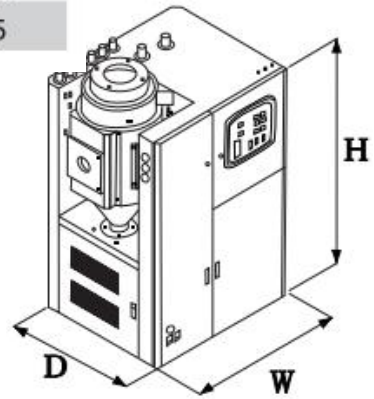
TCD-80U/50H

Specification(Full–integral Design)

Model No.	TCD–	20U/30H	40U/30H	40U/50H	80U/50H	120U/80H	160U/80H	160U/120H	230U/120H	U230U/150H	300U/150H	300U/200H	450U/200H
Drying System													
Process Heater Power (kw)		3	3	4	4	6	6	6	7	7	12	12	15
Process Blower Power (kw)		0.2	0.4	0.4	0.4	0.85	0.85	0.85	0.85	1.6	1.6	1.6	1.6
Drying Hopper Capacity (L)		20	40	40	80	120	160	160	230	230	300	300	450
Dehumidifying system													
Regen. Heater Power (kw)		3	3	3	3	4	4	4	4	4	4	6	6
Regen. Blower Power (kw)		0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Dry Air Capacity (m^3/hr)		30	50	50	50	80	80	120	120	150	150	200	200
Conveying System													
Conveying Blower Power (kw)		0.85	0.85	0.85	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Dia. of Conveying Hose(inch)		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
THR-U-E Hopper Receiver (L)		3	3	3	6	6	6	6	12	12	12	12	12
THR-U Hopper Receiver (L)		3	3	3	6	6	6	6	12	12	12	12	12
Dimensions													
H (mm)		1490	1550	1550	1520	1990	1860	1860	2070	2130	2160	2160	2350
W (mm)		1000	1040	1040	950	1105	1190	1190	1190	1425	1460	1460	1460
D (mm)		875	875	875	810	875	875	875	875	1015	1020	1020	1020
N.W (KG)		305	325	335	325	340	385	505	515	540	560	565	595

We reserve the right to change specifications without pripor notice.

Note: 1)Full-integral Design is optional for models from TCD-450U/300H to TCD-750U/500H.
2)Power supply:3Φ,400V,50Hz



Specification(Semi-integral Design)

Model No.	TCD-	450U/300H	600U/300H	600U/400H	750U/400H	750U/500H	900U/500H	900U/700H	1200U/700H
Drying System									
Process Heater Power (kw)		15	18	18	18	18	24	24	24
Process Blower Power (kw)		3	4	4	4	5.5	5.5	5.5	5.5
Drying Hopper Capacity (L)		450	600	600	750	750	900	900	1200
Dehumidifying system									
Regen. Heater Power (kw)		7	7	7	7	12	12	12	12
Regen. Blower Power (kw)		0.85	0.85	0.85	0.85	1.6	1.6	1.6	1.6
Dry Air Capacity (m^3/hr)		300	300	400	400	500	500	700	700
Conveying System									
Conveying Blower Power (kw)		1.5	1.5	1.5	1.5	1.5	2.4	2.4	2.4
Dia. of Conveying Hose(inch)		1.6	1.6	1.6	1.6	1.6	2	2	2
THR-U-E Hopper Receiver (L)		12	12	12	12	12	24	24	24
THR-U Hopper Receiver (L)		12	12	12	12	12	24	24	24
Dimensions									
H (mm)		2480	2380	2380	2610	2760	2640	2640	3070
W (mm)		1490	1745	1745	1745	2140	2140	2140	2140
D (mm)		1255	1255	1255	1255	1380	1380	1380	1380
N.W (KG)		600	635	640	690	710	820	850	900

We reserve the right to change specifications without pripor notice.

Note: 1)Full-integral Design is optional for models from TCD-450U/300H to TCD-750U/500H.

2)Power supply:3Φ,400V,50Hz