



# FLYING TIGER KJ CO., LTD.

Plastic Auxiliary Equipment & Turnkey Solution Experts

<http://www.tigerkj.com.tw> E-mail: [tigerkj@ms15.hinet.net](mailto:tigerkj@ms15.hinet.net)

## TWO TOWERS DEHUMIDIFYING DRYER

### FEATURES:

1. The structure is designed for two desiccant beds and close cooling system of regenerative zone.
2. Dew-point keeps below  $-40^{\circ}\text{C}$  & stable during the long-term operation.
3. Control panel with drying flowchart monitors the operation status easily.
4. Regenerative heater is controlled by PID temperature controller and timer, this non-continue heating designs for saving energy.
5. Cartridge filter in the outlet of dried air prevents powder pollution.
6. The defectives such as silver streak, flow marks, cracked effects and surface haze which caused by hygroscopic material incomplete drying can be solved efficiently.
7. The dehumidifying dryer can improve material physical performances such as tension, impact, climate proof and etc. to ensure the stable quality of products and increase the competition.
8. Comprehensive safety protection system:

⊙Phase lack & reverse protector of motors

⊙Non-fuse breaker

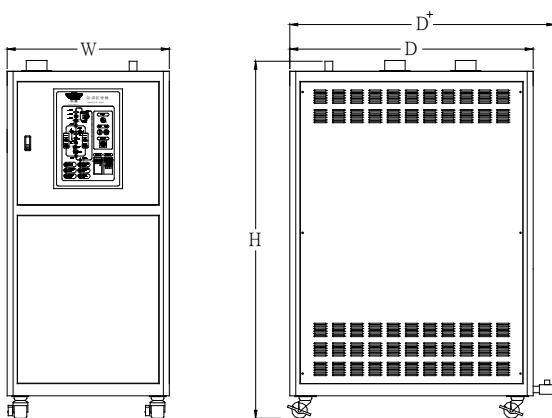
⊙Lack of compressor water protector

⊙Overload protector of regenerative blower

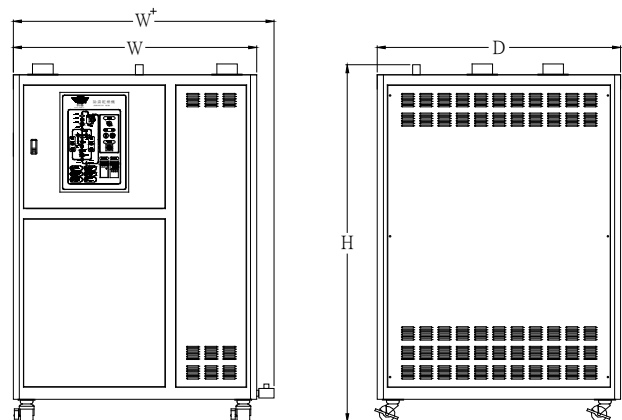
⊙Overhead protector of regenerative temperature

⊙Lack of compressor air protector

⊙Overload protector of driving blower



KTD-200~400



KTD-600~2000



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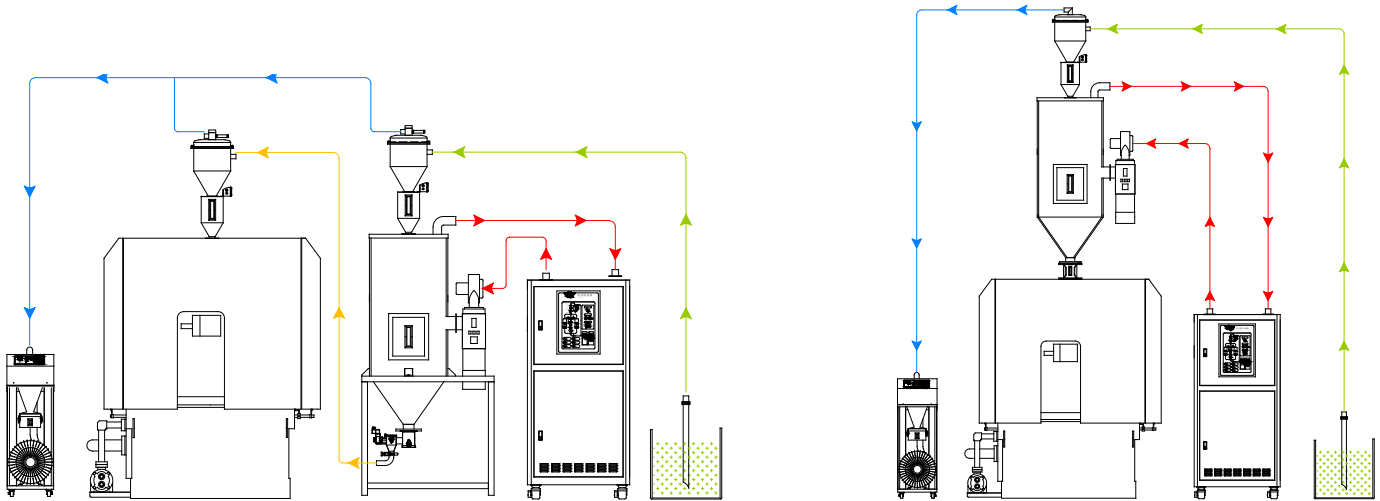
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## FLOWCHART OF INDIVIDUAL DRYING SYSTEM:

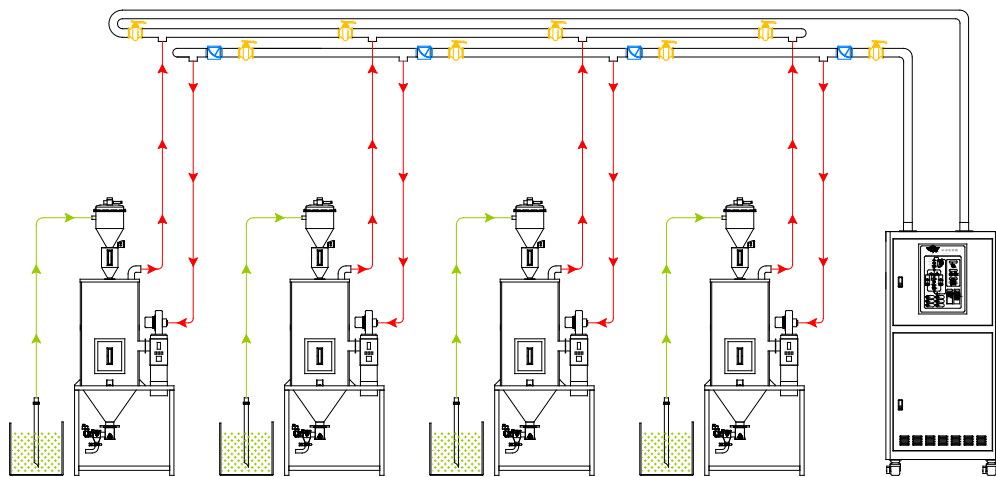
Frame type

Direct mounting type

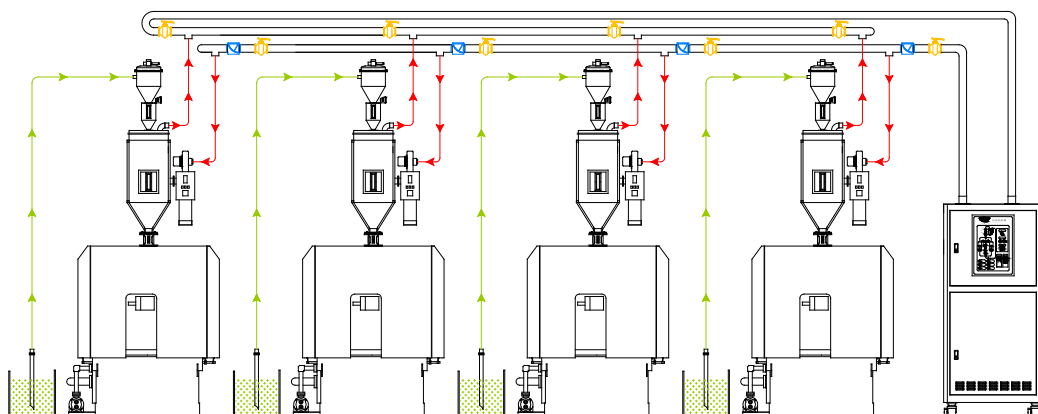


## FLOWCHART OF MULTIPLE STATIONS DRYING SYSTEM:

Frame type



Direct mounting type







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## SPERFORMANCES

Material	Drying temp. °C	Drying time drying time HR	Drying capacity (KG/HR)							
			KTD-200	KTD-300	KTD-400	KTD-600	KTD-800	KTD-1000	KTD-1500	KTD-2000
ABS	80	2-3	126	189	252	377	503	629	943	1258
IONOMER(SURLYN)	60	4-8	109	164	219	328	437	546	820	1093
LCP	150	3-4	67	100	133	200	267	333	500	667
PA6/6.6/6.10/6.12	80	4-6	77	115	153	230	307	383	575	766
PA 11/12	80	4-5	61	91	121	182	242	303	455	606
PBT	140	3-4	62	93	123	185	247	309	463	617
PC	120	3	97	146	194	291	388	485	728	971
PC+ABS	100	3-4	103	155	206	309	412	515	773	1031
PEEK	150	3	90	135	180	270	360	450	676	901
PEI	150	3-4	95	143	190	286	381	476	714	952
PES	160	4	77	115	153	230	307	383	575	766
PET	160	4-6	59	88	117	176	235	293	440	587
PETG	66	4-5	105	157	209	314	419	524	785	1047
PI	120	2	105	157	209	314	419	524	785	1047
PMMA	80	3	110	165	220	330	440	549	824	1099
POM	100	2	108	162	216	324	432	541	811	1081
PPO	110	2	93	139	185	278	370	463	694	926
PPS	140	3-4	93	139	185	278	370	463	694	926
PSU	120	3-4	109	164	219	328	437	546	820	1093
PU	90	3-4	78	117	156	233	311	389	584	778
TPU	90	2-3	97	145	193	290	386	483	725	966
Remarks	<p>1.How to choose suitable model ?</p> <p>a. For the best choice, please refer to the “drying capacity” under 60HZ frequency.</p> <p>b. For the best choice, please refer to the “80-85% ”of drying capacity under 50HZ frequency.</p> <p>2.The drying capacity shows the values in KG/HR at 200PPM residual moisture content under relative humidity 65% with ambient temp of 20°C.</p>									