



## 快速干燥机系列

High Speed Dryer



焊品企业有限公司  
YE PIN CO., LTD

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# 功能特色--4大提升

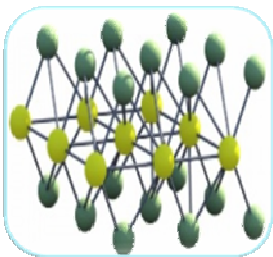
## Features—4 Up



- 提高产品的抗拉性、抗破性、透光率、耐久性
- Increasing tensile resistance, fracture resistance, transparency, durability



- 提高成型品的良率及品质
- Increasing product validity and quality



- 提高份子之間的連結
- Increasing molecule combination



- 提高生产的稼动率
- Increasing production mobility

# 功能特色--6大降低

## Features--6 Downs



- 减少一半的烘料时间
- shorten half time of drying



- 降低含水率200 ppm以下
- Reducing water contain rate under 200ppm



- 降低烘料成本，节省电费40%以上
- Reducing electricity bill more than 40%



- 减少模具清洗的次数 (PA46,PPS)
- Reducing cleaning frequency of mold(PA46,PPS)



- 减少干燥不完全所产生的不良( 流纹、气泡..等)
- Reducing defects of incomplete drying (such as streak, bubble....etc.)

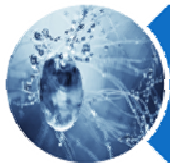


- 降低原料成型时，经过料管高温混炼的所产生的气体
- Reducing the generation of gas during the injection molding

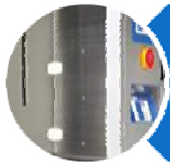


# 7大优势结构

## 7 Structures



不用接冷却水  
No cooling water



不锈钢外壳易保养  
Easy maintenance for  
stainless steel case



集尘器  
Dust Collector



LED微电脑式控制面板  
LED microprocessor  
controlled panel



功能均用灯号显示  
Light display function



机台可移动  
Moveable



外罩式过滤器清理容易  
Easy clean for outer  
filters

- 多功能快速干燥机搭配专利截料阀,使输送管内的塑料不残留,无塑料回潮的问题。
- The 3-in-one high speed dryer device is equipped with patented valve to completely clean the plastic residue such that there will be no plastic material re-dampening problem.

专利截料阀  
Patented Valve



已申请多国专利结构  
Multi-national patent  
application structure

# 干燥效率比较

## Compare drying efficiency



效率佳  
High  
Efficiency

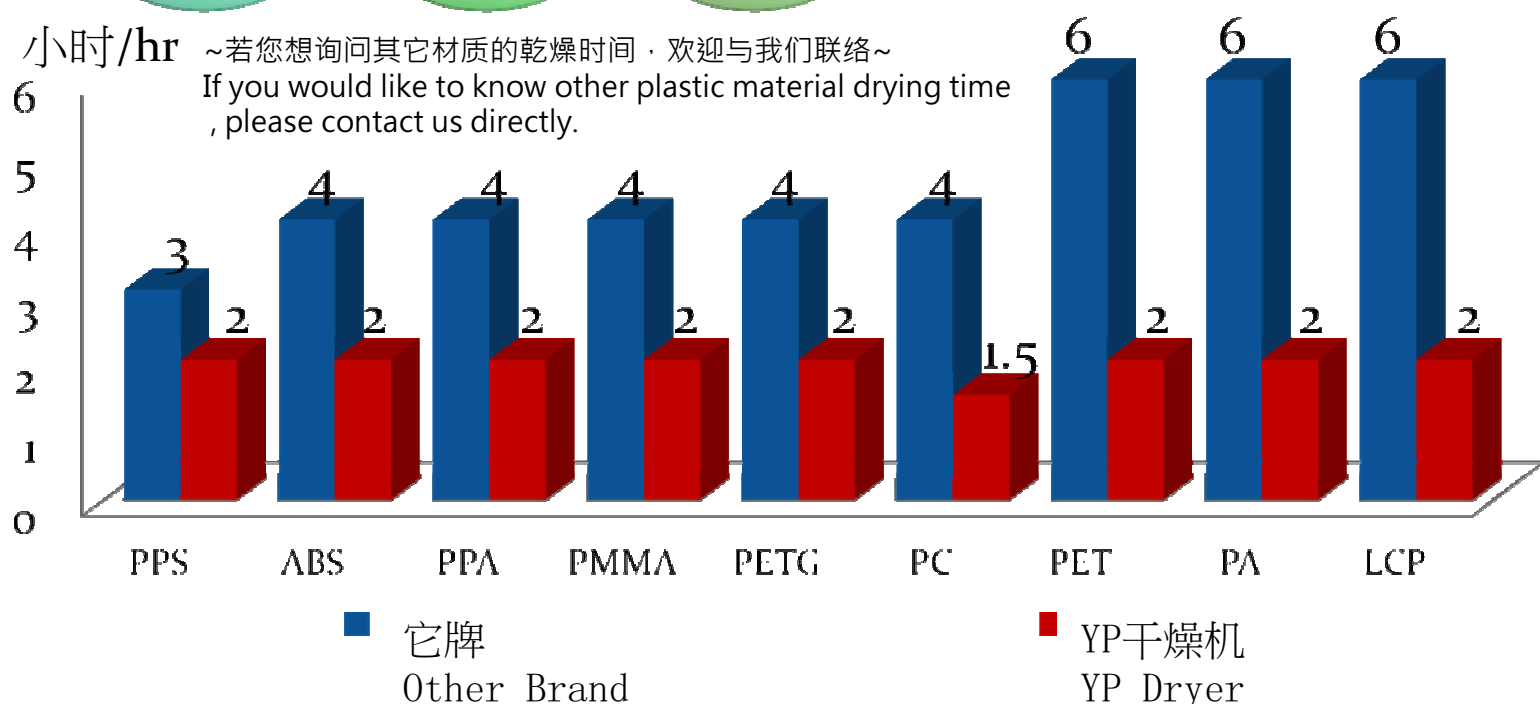
速度快  
High  
Speed

节能  
Energy  
Saving

YP节省电费 40% ↑

YP save electricity 40% ↑

小时/hr ~若您想询问其它材质的乾燥时间·欢迎与我们联络~  
If you would like to know other plastic material drying time  
, please contact us directly.



干燥时间/小时 Drying Time / Hr	PPS	ABS	PPA	PMMA	PETG	PC	PET	PA	LCP
它牌 Other Brand	3	4	4	4	4	4	6	6	6
YP干燥机 YP Dryer	2	2	2	2	2	1.5	2	2	2

# 含水率太高，对塑料之破坏

Water content rate is too high, it will be damage to plastic



若要生产高质量的塑料制品必须先注意到“前端塑料的乾燥处理”  
If you would like to produce high quality plastics, you must be aware of “drying process before injection molding”.



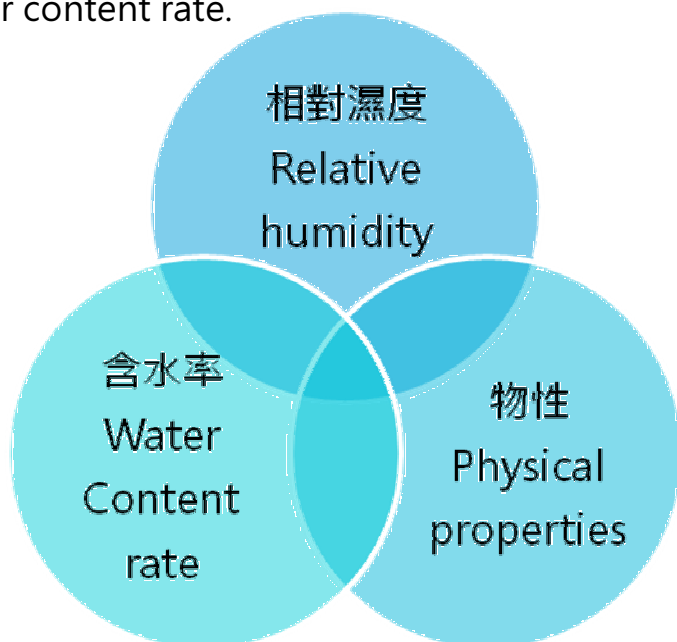
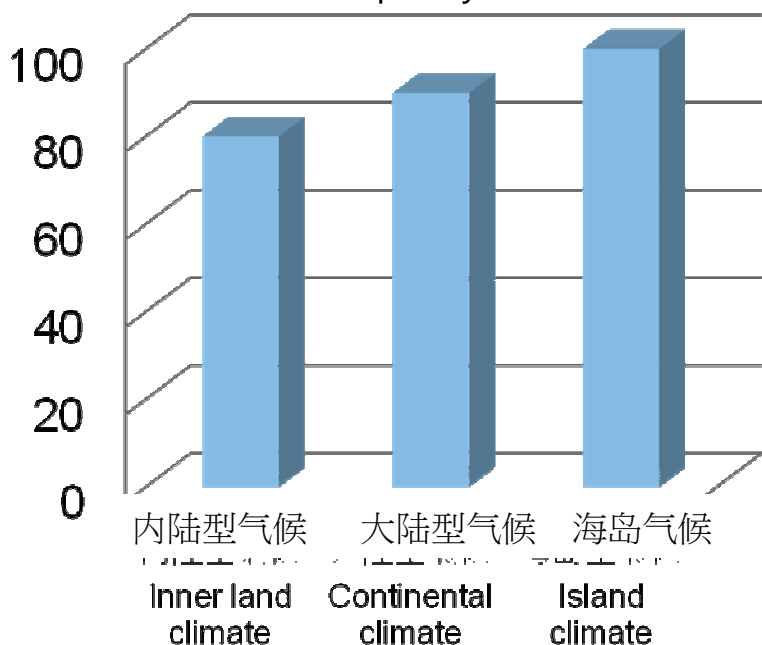
# 相对湿度、含水率、物性相互关系

## Relationship between Relative humidity, Water content rate, Physical properties



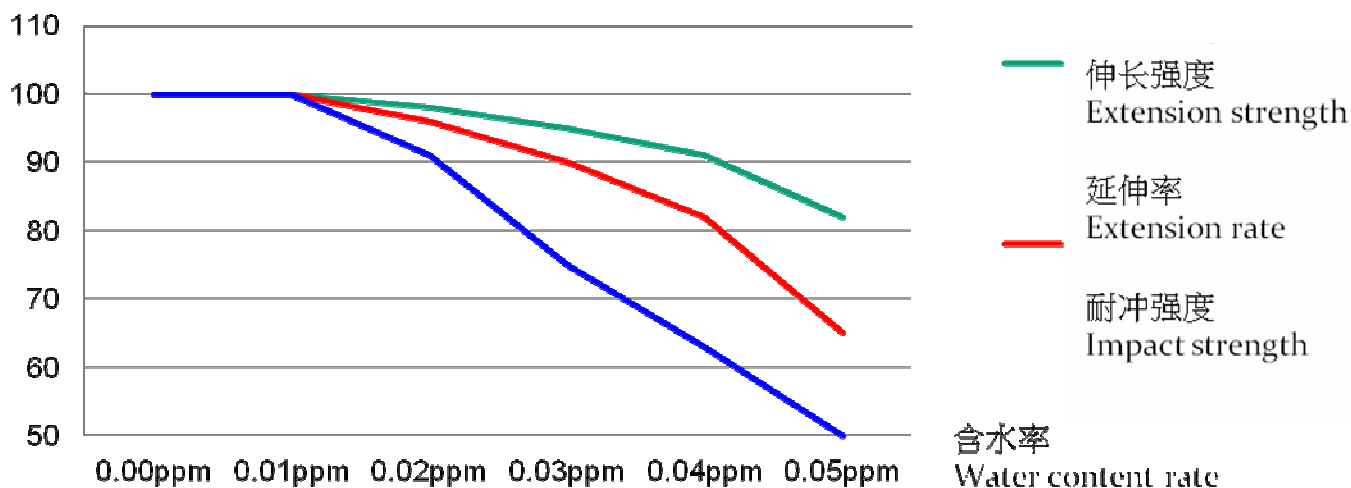
空气中相对湿度过高时，塑料就会快速吸湿，使塑料的含水率增加  
Relative humidity is too high in the air, plastic will humidify quickly, it will increase water content rate.

相对湿度%  
Relative humidity%



与最大值百分比  
Ratio to max bond%

含水率愈高，对物性的影响愈大  
High water content rate, it will have big influence to physical properties.





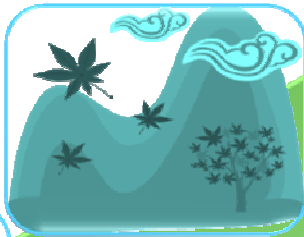
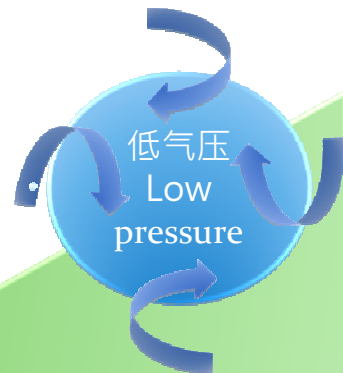
# 作动原理?

## What's principle?

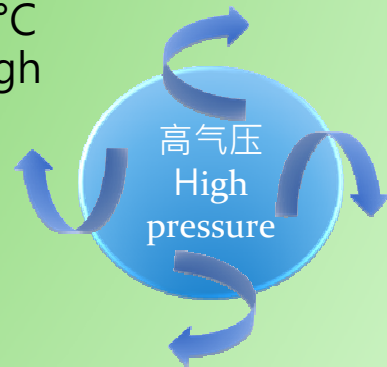
低气压使水的沸点降低  
Low pressure makes  
boiling point of water  
lower.



在喜马拉雅山水的沸点是73°C  
Boiling point of water  
in the Himalayas is 73°C.



在高山水的沸点是80 °C~ 90°C  
Boiling point of water in high  
mountain is 80 °C~ 90°C.



在平地水的沸点是100 °C  
Boiling point of water  
on the ground is 100 °C.



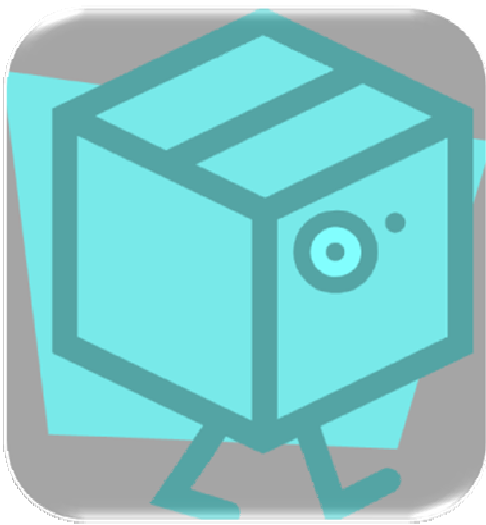
焊品的快速干燥机的干燥原理，是用物理原理，非化学吸附。简易的说：快速干燥机将空气吸入，产生低压的气流经过加热，将干燥的热风打入料桶，将塑料中的水份子蒸发，(使露点的温度达-40 °C 以下)。

Our High speed dryer uses "physical principle", not chemical absorbing. Let me explain to you: Air had been sucked by our high speed dryer, producing low pressure air, the low pressure air through heater. It becomes drying hot air into hopper to make moisture of plastic to vaporize.(reach dew point under -40°C)



# 化学吸附干燥机 VS YP干燥机

## Chemical adsorption dryer VS YP Dryer



VS

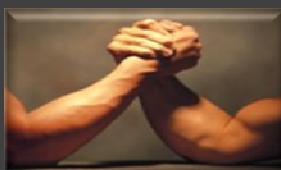


决战三回合  
Three round battle

# 第一回, 省钱, 省时, 省电

Round One, Save Time, Money, Electricity

化学吸附干燥机  
Chemical adsorption dryer



YP 干燥机  
YP dryer



额外的工程费用  
Additional project costs

要接水管  
Link water pipe



无  
No



冷气费用  
Air-conditioning costs

要维持室内恒温, 冷气需持续的运作  
In order to maintain the indoor temperature, air-conditioning needs to continue operations



无  
No



耗材费用  
Consumables cost

高  
High



低  
Low





# 第一回, 省钱, 省时, 省电

Round One, Save Time, Money, Electricity

化学吸附干燥机  
Chemical adsorption dryer



YP 干燥机  
YP dryer



干燥时间  
Clean room

如: PC要3~4小时  
LCP要6~8小时  
For example:  
PC needs about 3~4  
hours of drying time.  
LCP needs about 6~8  
hours of drying time.



如: PC要2小时  
LCP要2小时  
For example:  
PC needs about 2 hours  
of drying time.  
LCP needs about 2 hours of  
drying time.



耗电量  
Power consumption

高耗电量  
High power  
Consumption.



低耗电量, 约化学  
吸附干燥机的一半  
Low power consumption,  
power consumption is about  
one half of chemical  
adsorption dryer.



# 第二回，结构

## Round Two , Structure

化学吸附干燥机  
Chemical adsorption dryer

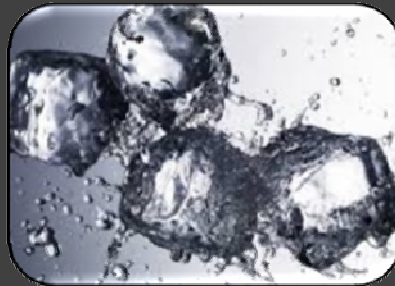


YP 干燥机  
YP dryer



### 冷却水 Cooling Water

要接冷却水  
It need to link cooling water.

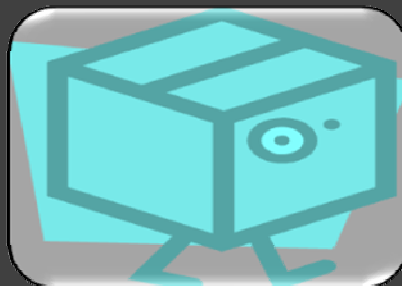


不接冷却水  
No cooling water



### 外壳 Outer Case

白铁烤漆，易掉漆生锈  
Painted iron, easy to peel off and get rusty.



SUS304不锈钢，  
耐久不生锈  
SUS304  
stainless steel,  
durable and not  
easy to rust.



### 分子筛 Molecular sieve

如:烘PA会出油，蜂巢和  
分子筛会阻塞  
For example: Drying PA  
Will be out of oil.  
Honeycomb and  
molecular sieve will be  
clogged.



没有分子筛，  
具有专利机芯  
结构，没有阻  
塞的疑虑

No molecular sieve, dryer  
is equipped with patented  
cassette mechanism  
structure, no doubt for  
clogging.



# 第三回，环境

## Round Three, Environment



化学吸附干燥机  
Chemical adsorption dryer



YP 干燥机  
YP dryer

### 洁净的无尘室 Clean room

接冷却水，有漏水的可能性

It may leak water possibility, due to cooling water.



适用，无漏水的可能性  
Suitable, no leaking water possibility.



### 热气排放 Exhausting hot air

会排出热气  
It exhausts hot air.



无  
No exhausting hot air.



# BD 微电脑快速干燥机

## BD Microprocessor Controlled High Speed Dryer



BD 微电脑快速干燥机适用如下:

- 1.射出量大的生产
- 2.押出量大的生产
- 3.经常性换料生产

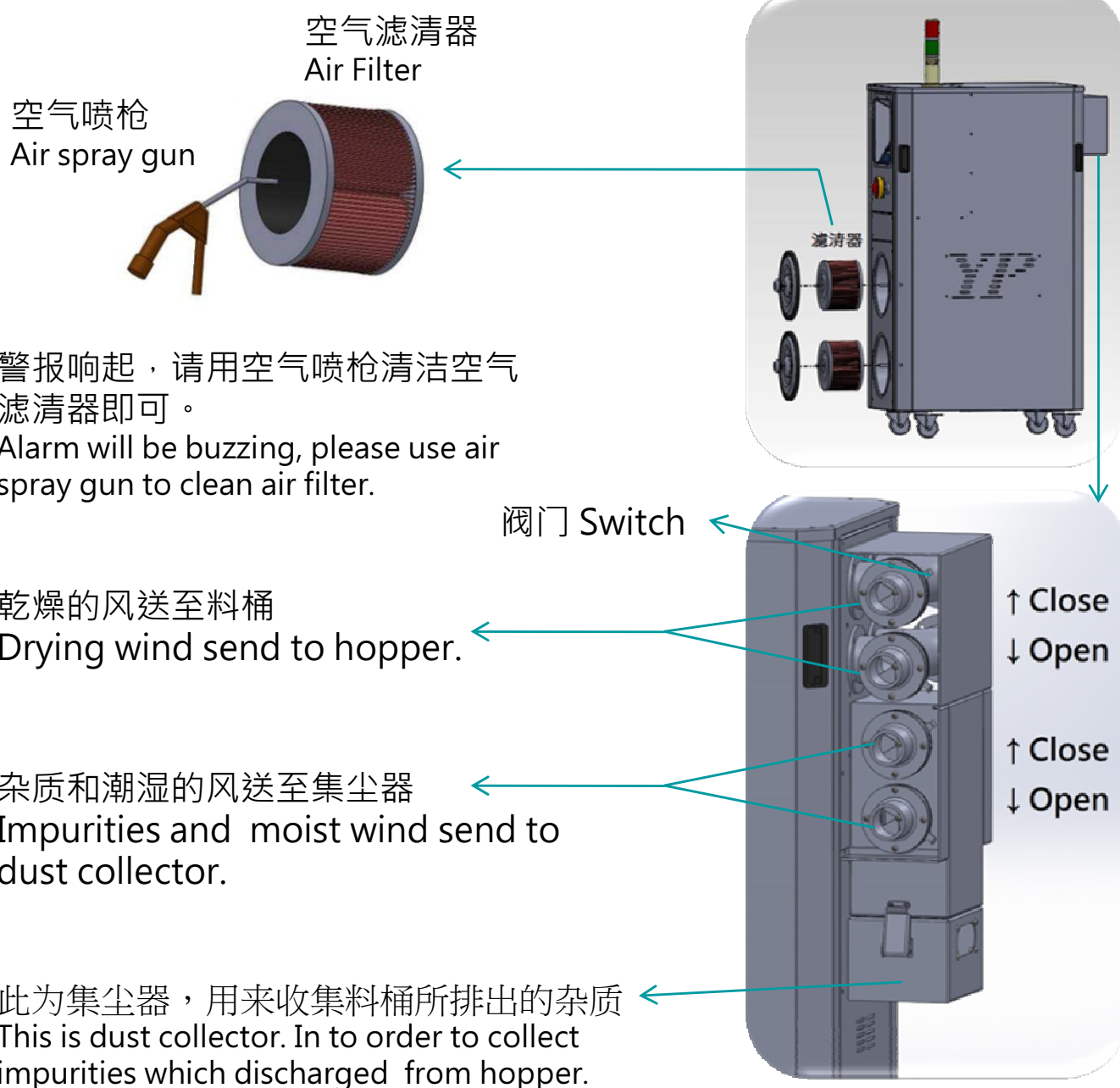
BD microprocessor controlled high speed dryer is suitable for below items.

- 1.Big injection molding production.
- 2.Big extruding production.
- 3.Frequently changing plastic production



# BD干燥机系列-结构

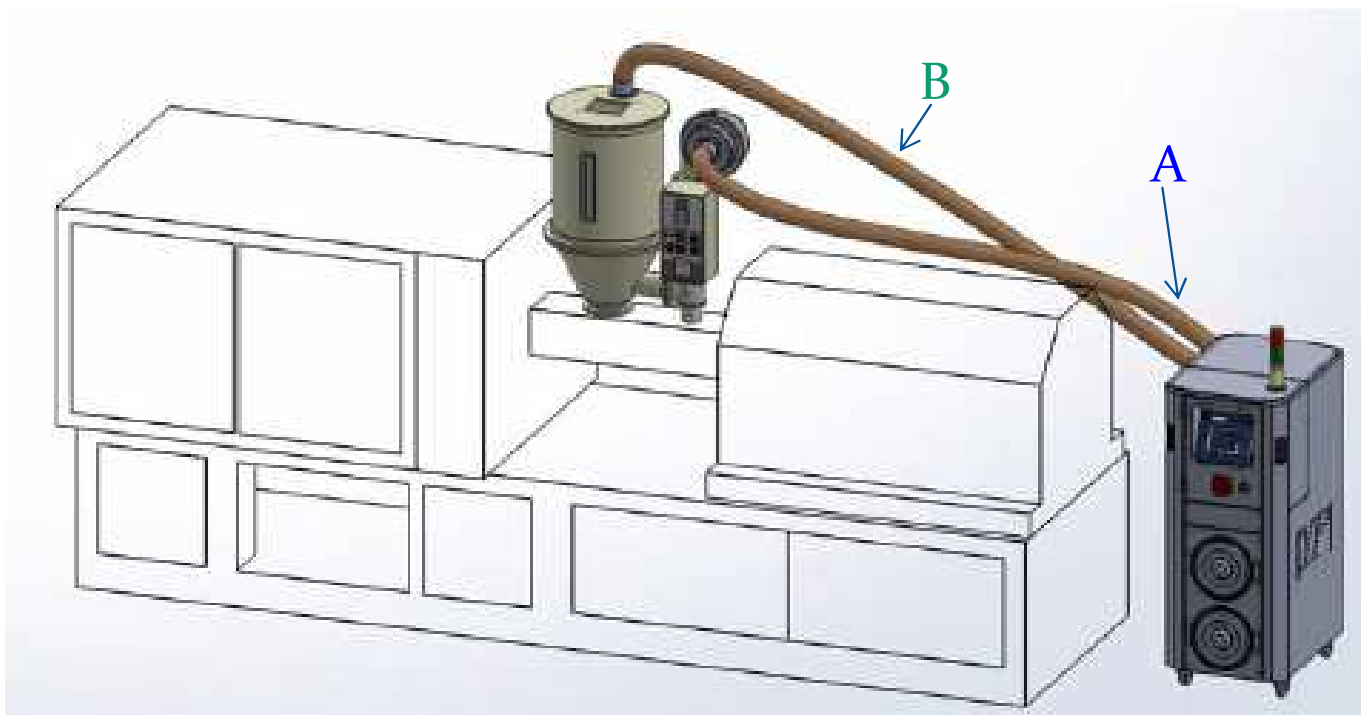
## BD dryer Series- Structure





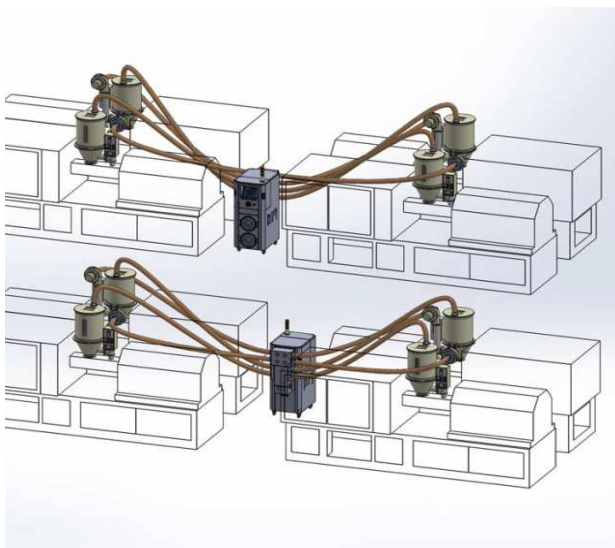
# BD干燥机系列-示意图

## BD Dryer Series-Schematic diagram



A: YP干燥机送乾燥的风送至料桶中  
A: YP dryer send drying wind into hopper.

B: 杂质和含有湿度的空气送入集尘盒中  
B: Impurities and air of comprising humidity send into dust collector.



1台HS系列干燥机可连1 ~ 4料桶  
One HS series dryer could connect 1~4 hoppers.

YP快速干燥机适用在各种射出机或押出机上  
YP high speed dryer is suitable for all kinds of injection molding machine or extruder machine.



## BD 微电脑快速干燥机规格表

### BD Microprocessor Controlled High Speed Dryer Specification

型式 Model		HS-025BD	HS-050BD	HS-100BD	HS-200BD	HS-400BD	HS-600BD	HS-800BD
干燥风量 (m <sup>3</sup> /hr) Drying wind rate		30	60	120	220	460	585	850
总瓦特数(kw) Total wattage		2.59	3.20	4.25	6.40	10.60	14.60	16.60
尺寸 Size (mm)	宽度 Width	510	510	535	561	612	637	637
	深度 Depth	869	869	958	993	1062	1096	1116
	高度 High	1515	1515	1573	1631	1747	1805	1805
重量 Weight(kg)		110	130	185	236	381	420	547

\*此机台为连续式适用于所有塑料、生产用、实验室

\*This machine is continuous and suitable for all plastics ,production, and laboratory.





# YP 快速乾燥机 YP High Speed Dryer

省钱	Save Money
快速	High Speed
节能	Save Energy

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