



快速干燥机系列

High Speed Dryer



焊品企业有限公司
YE PIN CO., LTD

目录Catalog

中文 Chinese	英文 English	页数 Page
功能特色-4大提升	Feature-4 UPs	P2
功能特色-6大降低	Feature-6 Downs	P3
7大优势结构	7 advantage structures	P4
干燥效率比较	Compare Drying Efficiency	P5
含水率太高，对塑料的破坏	Water content rate is too high, it will be damage to plastic	P6
相对湿度、含水率、物性相互关系	Relationship between Relative humidity, Water content rate, Physical properties	P7
作动原理	What' s principle?	P8
化学吸附干燥机 VS YP干燥机	Chemical adsorption dryer VS YP Dryer	P9
第一回，省钱，省时，省电	Round One, SaveTime,Money,Electriciity	P10
第二回，结构	Round Two ,Structure	P12
第三回，环境	Round Three, Environment	P13
多功能快速干燥机	Multi-function High Speed Dryer	P14

功能特色--4大提升

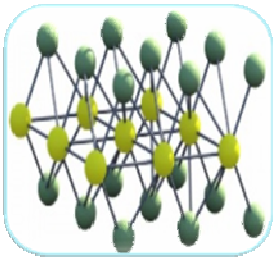
Features—4 Up



- 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)



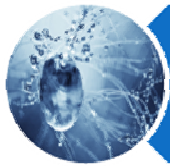
- 减少干燥不完全所产生的不良(流纹、气泡..等)
- Reducing defects of incomplete drying (such as streak, bubble....etc.)



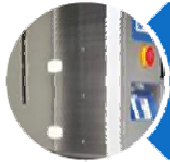
- 降低原料成型时，经过料管高温混炼的所产生的气体
- Reducing the generation of gas during the injection molding

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

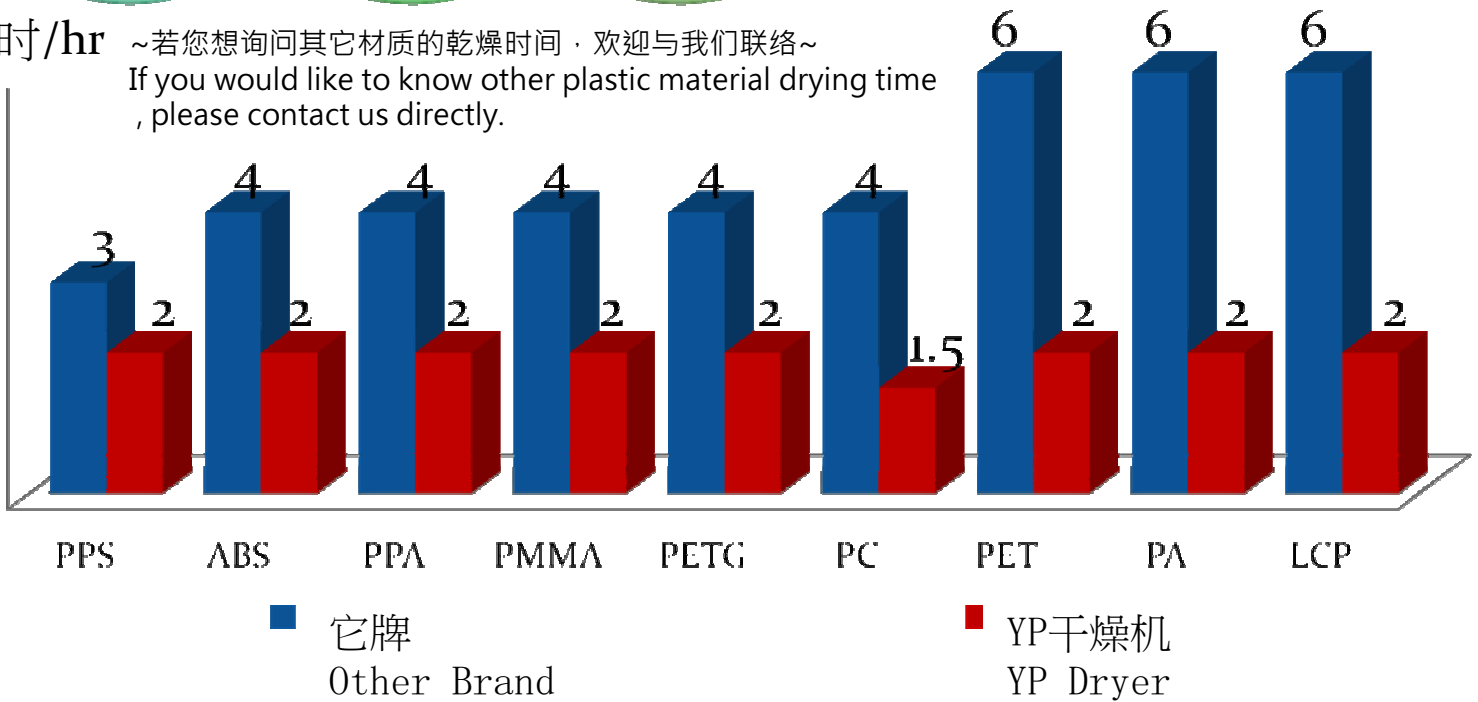
速度快
High Speed

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”.

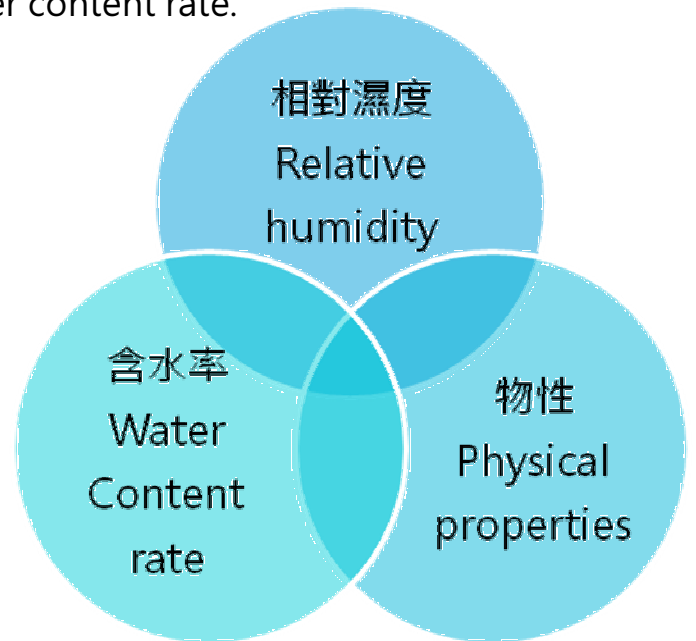
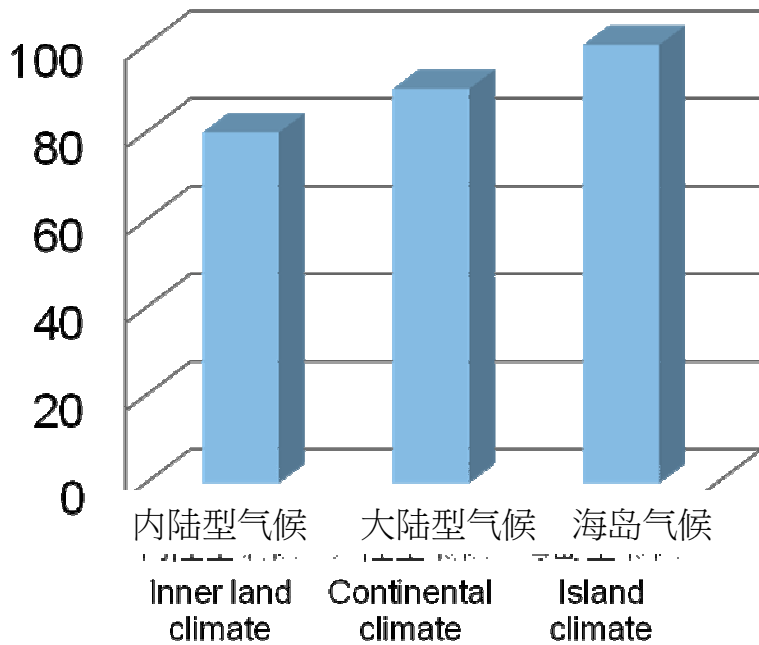
相对湿度、含水率、物性相互关系

Relationship between Relative humidity, Water content rate, Physical properties



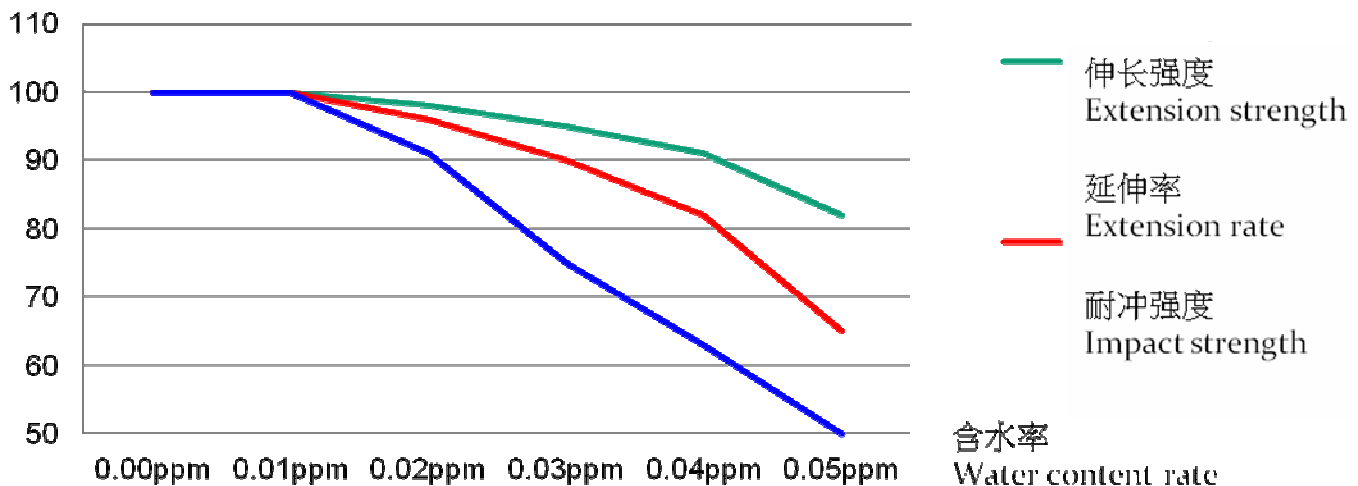
空气中相对湿度过高时，塑料就会快速吸湿，使塑料的含水率增加
 Relative humidity is too high in the air, plastic will humidify quickly, it will increase water content rate.

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.

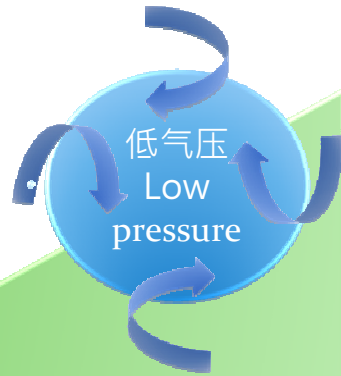




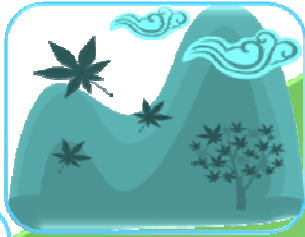
作动原理?

What's principle?

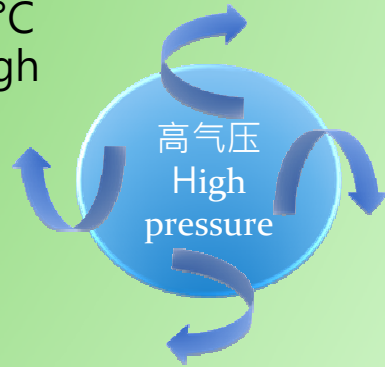
低气压使水的沸点降低
Low pressure makes boiling point of water lower.



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.

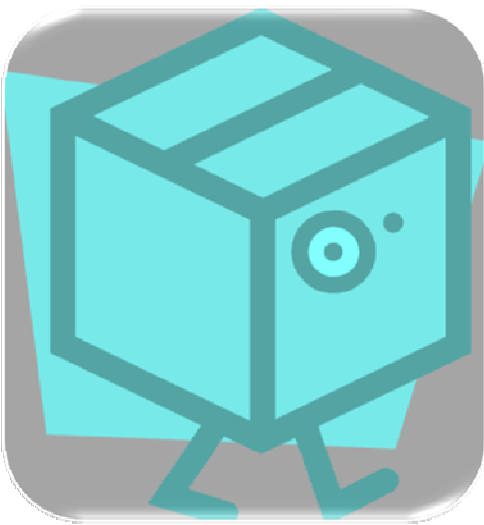


产品的快速干燥机的干燥原理，是用物理原理，非化学吸附。简易的说：快速干燥机将空气吸入，产生低压的气流经过加热，将干燥的热风打入料桶，将塑料中的水份子蒸发，(使露点的温度达-40 °C 以下)。

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.

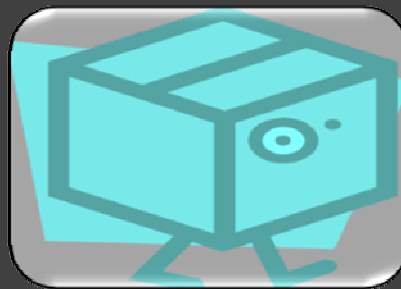


不接冷却水
No cooling water



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.



多功能快速干燥机

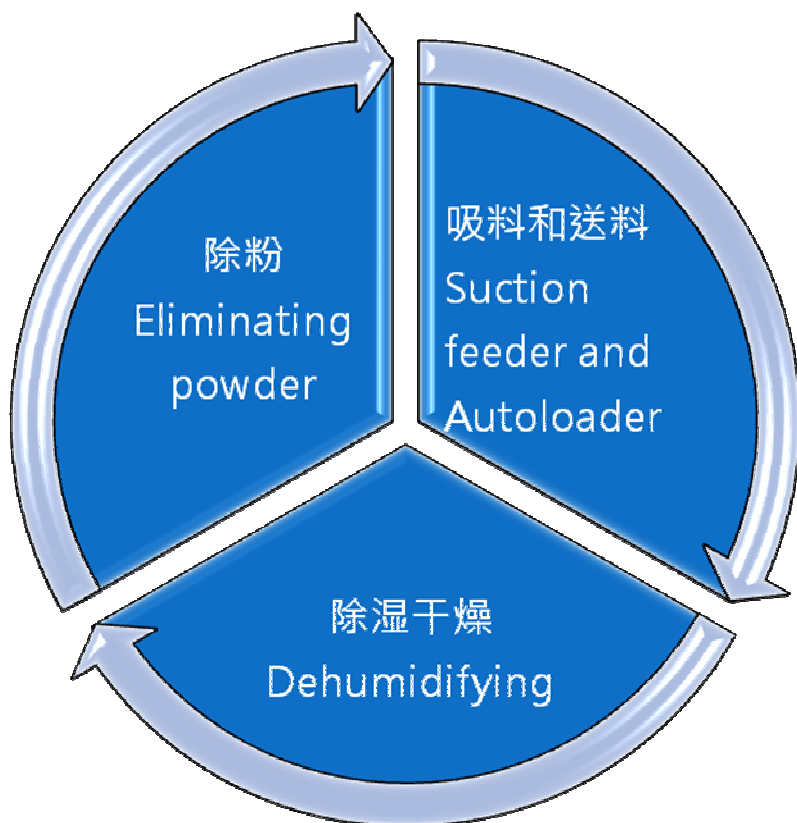
Multi-function High Speed Dryer

多功能干燥机具有如下特点:

- 1.吸料和送料
- 2.除湿乾燥
- 3.除粉

Multi- function dryer has below features:

- 1.Suction feeder and Autoloader
- 2.Dehumidifying
- 3.Eliminating powder

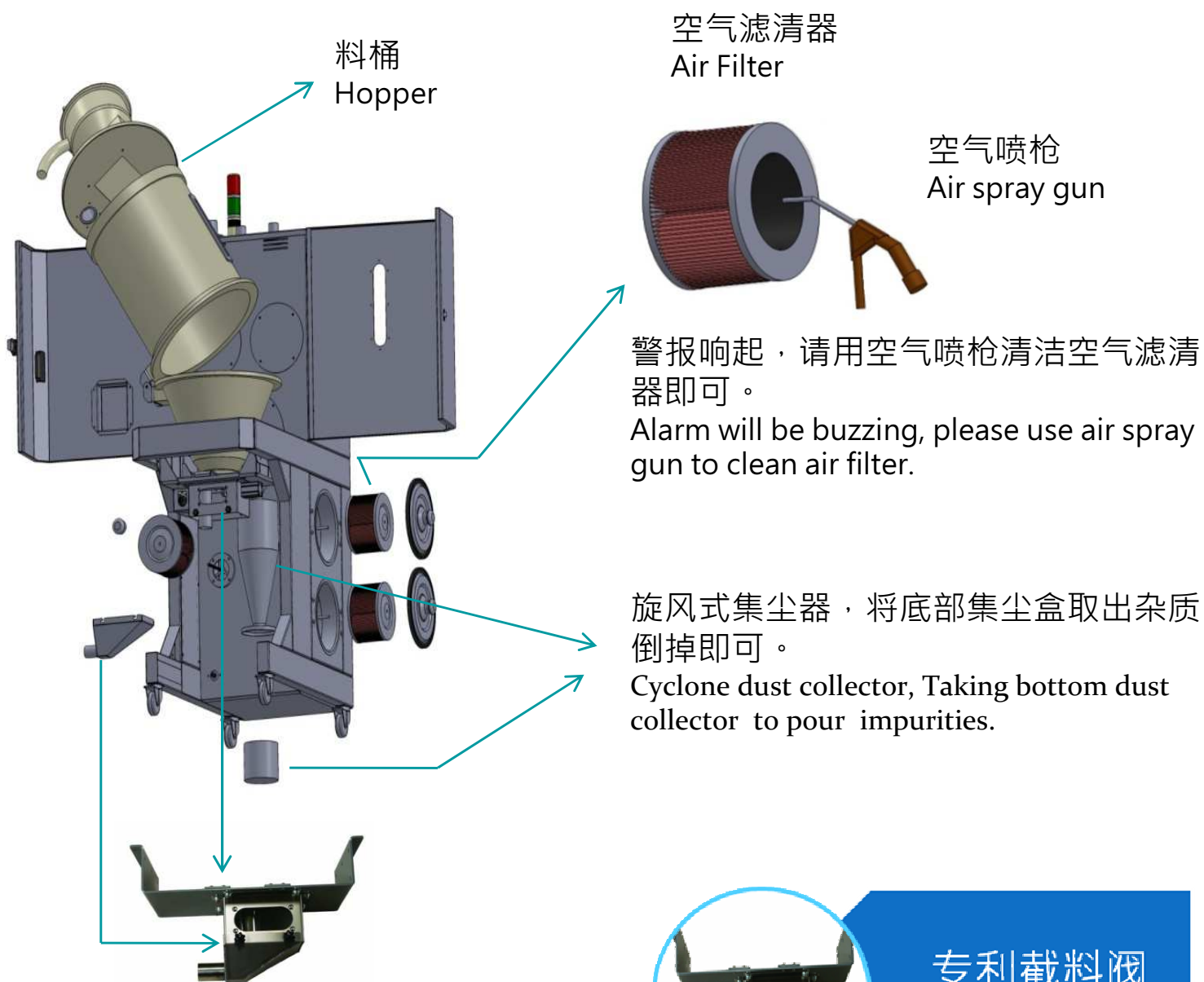


除粉，是指将颗粒的塑料经碰撞所产生的粉末，加以去除

Eliminating powder，means powder produced by the plastic pellet collision

多功能快速干燥机-结构

Multi-function high speed dryer -Structure



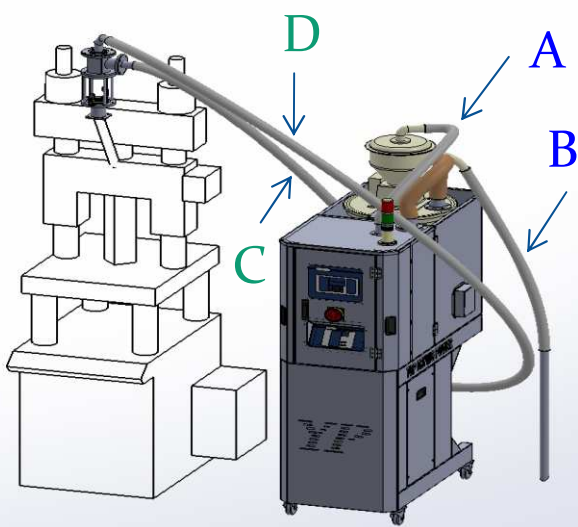
多功能快速干燥机搭配专利截料阀，使输送管内的塑料不残留，无塑料回潮的问题。
Multi-function high speed dryer device is equipped with patented valve to completely clean the plastic residue such that there will be no plastic material re-dampening problem.



专利截料阀
Patented valve

多功能快速干燥机-示意图

Multi-function high speed dryer - Schematic diagram



A:YP干燥机吸风

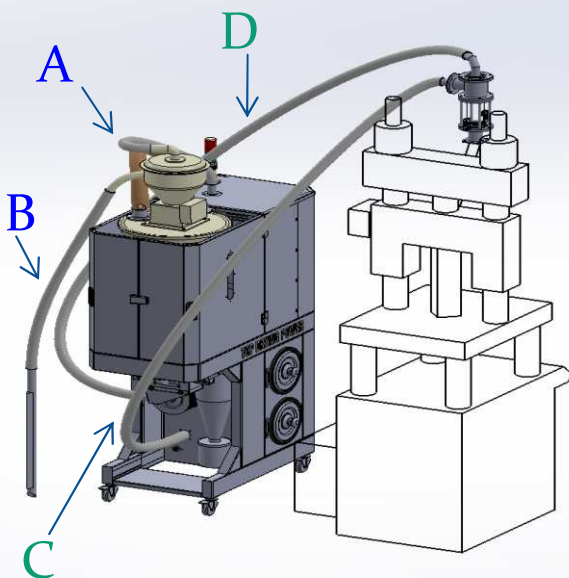
A:Wind has been sucked by YP dryer.

B:将塑料抽入料桶中

B:Plastic material send into hopper.

C:YP干燥机吸风

C:Wind has been sucked by YP dryer.



D:将干燥完成的塑料送至成型机或押出机

D:Drying completed plastic material send into injection molding machine or extruder machine.

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.



依客户需求·干燥机可搭配储料桶·
 报价不含储料桶价格
 Depend on customer demand, our
 dryer could equipped with
 storage can, price does not include
 storage can price.



多功能快速干燥机规格表

Multi-function High Speed Dryer Specification

型式 Model	HS-015MD	HS-025MD	HS-050MD	HS-100MD	HS-200MD	
干燥风量(m ³ /hr) Drying wind rate	30	30	60	120	240	
总瓦特数(kw) Total wattage	3.26	3.26	3.95	5.00	7.15	
料桶容量(kg) Hopper capacity	15	25	50	100	200	
尺寸 Size (mm)	宽度 Width	660	530	530	730	860
	深度 Depth	1220	1090	1090	1250	1500
	高度 High	1680*2160	1680*2160	1680*2160	1780*2250	2040*2475
重量 Weight(kg)	217	217	245	353	473	

*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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