PNSD 系列挤干机

PNSD series Squeeze Dryer Machine

PP PE LDPE HDPE PVC Film Plastic Squeeze Dryer Working process:
By plastic film squeezing dryer, the washed film can be squeezed to dehydrate water of films or fluffy stuff.
The film is squeezed to become flakes or blocks. The film plastic moisture will be lowered down to 1-3%.

PP PE LDPE HDPE PVC膜塑料挤压干燥工艺：
通过塑料薄膜挤压干燥机，可以挤压清洗后的薄膜，使薄膜或绒毛状物的物料脱水。薄膜被挤压成薄片或块状，塑料薄膜的水分将降低到1-3%。

Plastic Film

1. Plastic squeeze dryer machine is WANROOETECH designed machine, made by the advanced Italian techniques, specially screw pressing dewatering design;
2. Plastic squeezing machine is equipped with an electric control cabinet, feeder mouth is easy to control the drying effect;
3. Plastic squeezing machine is especially for plastic film, plastic bags, woven bags, Jumbo bags. Solve the drying problem in the past.
4. Instead of the dewatering machine, hot blower in the recycling line.
5. Easy to operate, drying effect can reach 95%.

1.塑料挤干机是万容机械设计的机器，采用意大利先进技术制造，特别是螺杆挤压脱水设计；
2.挤塑机配有电控箱，进料口便于控制干燥效果；
3.塑料挤干机是专门用于塑料薄膜、塑料袋、编织袋、特大袋的挤压机。解决过去的干燥问题。
4.代替脱水机，在回收线上使用热风机。
5.操作简单，干燥效果可达95%。

产品参数 Specification	PNSD-300	PNSD-400
Dimension(尺寸)	2450 x 800 x 1800mm	2450x800x1900mm
Inlet Size(入口尺寸)	700 x 670mm	800x760mm
Motor Power(电机功率)	18.5kw	22kw
Rotated Speed(旋转速度)	30r/min	30r/min
Capacity(容量)	500kg/h	800-1000kg/h
Screw Diameter(螺钉直径)	300mm	380mm
Screw Length(螺杆长度)	1447mm	1550mm
Drainage Method(排水方法)	Drain at the bottom	Drain at the bottom
Material Outlet(物料出口)	Free falling	Free falling
Hydraulic Station Motor(液压马达)	1.5kw	2.2kw

Applicable Materials:
适用材料

Clean industrial film
干净工业薄膜

Agricultural film
农业薄膜

Jumbo Bag
吨包袋

Plastic fiber waste and fishing nets, etc.
塑料纤维废丝及渔网等

EPE pearl cotton and other foam packaging materials
EPE珍珠棉等发泡包装材料

Non-woven fabric scraps, protective clothing, masks, etc.
无纺布边角料，防护服，口罩等

Heavy printing films, and aluminum-plastic packaging films, etc.
各种重度印刷薄膜，及铝塑包装膜等

Paper pulp and various water-containing wet waste plastics
纸浆料和各种含水潮湿的混合废塑料

PS lunch boxes and other foam plastics and foam insulation material
PS餐盒等其他发泡塑料及发泡保温材料

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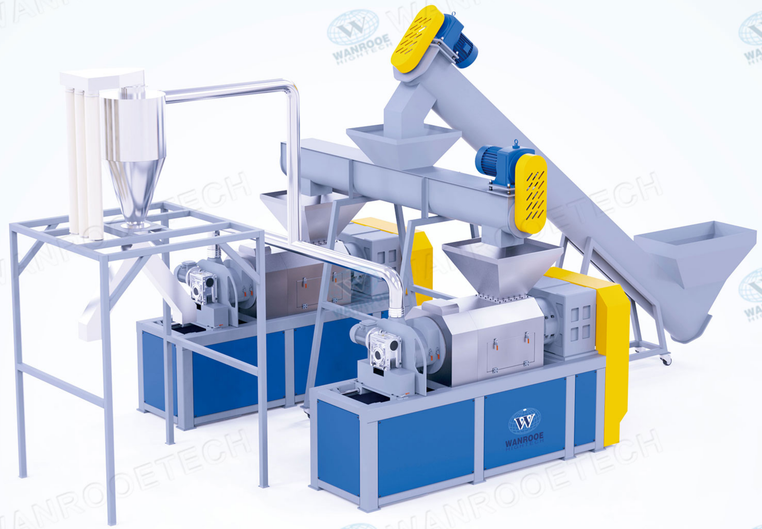
SQUEEZING DRYING PELLETIZER
挤干造粒机

薄膜挤干造粒机是用来干燥那些清洗过的薄膜，编织袋等，并把他做成颗粒。



Squeezing drying pelletizer machine is used for drying those washed film, woven bags.etc. and make it like granules.

PNSP 系列挤干造粒机

PNSP series Squeezing Drying Pelletizer

挤干螺杆 Squeeze Screw

The front axle is thinner and the rear axle is thicker. This results in the front space of the screw barrel being larger than the backspace. As it progresses, the space in front gradually shrinks, creating more compression and squeezing the moisture out of the material. The inside is a small hole, and the outer hole gradually becomes larger, and the inner and outer holes form a larger pressure difference, which makes the liquid flow out more easily.

挤干螺杆前轴较细，后轴较粗，这就导致了在安装了螺筒这个封闭的空间下，前部空间大于后部空间，在物料前进的过程中，前部空间逐渐缩小，从而产生较大的挤压力，就把水分从物料挤压出。

挤压螺杆筒 Squeeze Screw Barrel

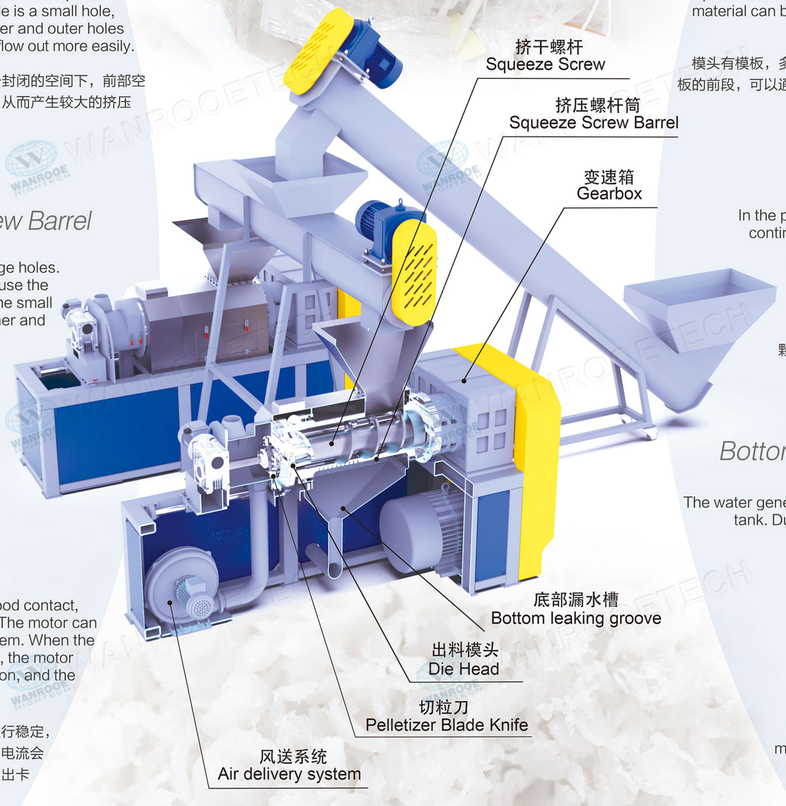
The inside is small holes, and the outside is gradually large holes. Once the small holes inside are too large, it will easily cause the material to flow out along the small holes or even block the small holes. The outside gradually becomes larger, and the inner and outer holes form a larger pressure difference, and this pressure difference makes it easier for liquid to flow out.

筒内部均为小孔，外部逐渐为大孔，如果内孔过大，就容易导致物料顺着小孔流出，甚至堵塞小孔，外部逐渐变大，内孔与外孔就形成了一个较大的压差，而这个压差使得液体更易流出。

变速箱 Gearbox

Gears adopt CNC grinding technology, high precision, good contact, high transmission efficiency, stable operation, low noise;The motor can be adjusted forward and reverse through the control system. When the material is stuck, the current will be too large. At this time, the motor will automatically stop and will reverse in the next operation, and the stuck material can go out.

齿轮采用数控磨削技术，精度高，接触良好，传动效率高，运行稳定，噪音低；电机可以通过控制系统调节正反转，当物料卡死时，电流会偏大，此时电机自动停止，并会在下次运行时反转，就可以退出卡死的物料。



Die Head 出料模头

The die head consists of a die face, a perforated plate, a water circulation cooling system, and a graphene wear-resistant bearing system! The perforated plate is installed in the front section of the die face! The discharge speed of the material can be controlled by the diameter of the discharge hole of the perforated plate, so as to adapt to different materials.

模头有模板，多孔板，水循环冷却系统，和石墨烯耐磨轴承系统构成。多孔板安装在模板的前段，可以通过多孔板出料孔的直径来控制物料的排出速度，从而适应不同的物料。

Pelletizer Blade Knife 切粒刀

In the process of extruding the material in a long strip, the pelletizing knife continuously rotates to cut the strip to form a pelletized finished product. The power source of the pelletizer is an AC motor connected to a worm gear reducer. The motor base can be moved back and forth to facilitate blades changing, maintenance and other operations.

在物料以长条状挤出的过程中，切粒刀不断旋转，切断长条，便形成了颗粒状的完成品。切粒刀的动力来源是连接蜗轮蜗杆减速机的交流电机。电机底座可以进行前后调动，以便进行换刀，检修等操作。

Bottom Leaking Groove 底部漏水槽

The water generated during the squeezing process is drained through the leaking tank. Due to the particularity of the water quality, the leaking tank is mostly made of stainless steel to prevent rust and corrosion.

挤干过程中产生的水分由漏水槽进行排出，由于水质的特殊性，漏水槽多采用不锈钢，以防生锈腐蚀。

Air Delivery System 风送系统

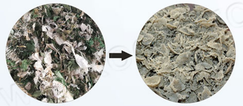
The air delivery system uses a high-pressure centrifugal fan. The material will enter the storage bin along with the airflow. At the same time, the air takes away the heat of the material to achieve the purpose of cooling.

风送系统采用了高压离心风机，物料会随着气流进入到储料仓，同时空气带走物料的热量，达到冷却的目的。

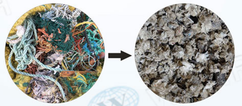
Description:

Waste plastic products and films are materials that are not easily degradable and discard the environment that is likely to cause pollution. Its recycling is an important part of environmental protection. The squeezing pelletizing machine, as a machine integrating dewatering and granulation, plays a very important role in the process of processing plastic products. Solve the problem of difficult dehydration of traditional soft film or filamentary plastics.

废旧塑料制品、薄膜作为不易降解的材料，废弃容易引起环境的污染。对其的循环使用是对环境保护的重要一环。挤干造粒机作为一款集清洗、脱水、造粒一体的机器，在处理塑料产品的过程中扮演着非常重要的角色。解决传统软质膜状或丝状塑料物料脱水难的问题。



Woven Bag



Plastic fiber waste

Agricultural film

Plastic squeezing pelletizing machine can easily control the moisture of the cleaned material below 3%. At the same time, it can also control plastic film, tons of bags, diapers, etc. that are traditionally difficult to dehydrate. The filamentous plastic is semi-plasticized into granules, which improves its bulk density, facilitates the granulation of the subsequent equipment, and can also replace the traditional agglomerator.

挤干造粒机可以轻易的把清洗过的物料水分控制在3%以下，同时还可以把塑料薄膜，吨包袋，尿不湿等传统难以脱水的丝状塑料半塑化成颗粒，提高它的堆密度，方便后段设备的造粒，同时也可以代替传统的团粒机。

产品参数 Specification	PNSP-250	PNSP-300	PNSP-350	PNSP-400
Main Motor Power(主电机功率)	75kw	90/110kw	110/132kw	132/160kw
Cutting Power(切割功率)	4kw	5.5kw	7.5kw	7.5kw
Capacity(kg/hr)(产量)	200-300kg/hr	300-500kg/hr	400-800kg/hr	500-1000kg/hr
Air Blower(风机)	5.5kw	7.5kw	7.5kw	7.5kw
Moisture(含水量)	1%-3%	1%-3%	1%-3%	1%-3%

The above is just for reference, the real capacity or specifications dependent on your exclusive material. 注:具体产量和设备配置视材料而定。

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