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PES 600 F 315

PROMECO EXTRUDER SYSTEM

PROMECO 的挤压系统

**CONTINUOUS DENSIFIER - AGGLOMERATOR
FOR PLASTICS RECYCLING**

PROMECO

- PROMECO EXTRUDER SYSTEM (PROMECO 的挤压系统)

两螺钉的密集机器利用着不断的生产使均匀和不均匀的塑料废物再循环。

它是常规挤压机器的加油器。

- 进入的物质

从工厂废物来或者从其它地方来的不均匀热塑物质。

加工后形成 PE,PP,PS,PA,ABS,PVC 原料,最合适的物质是:

胶卷,叶,单丝,织物,粉状物,膨胀物,混合,等等...

它向物流里的不纯很多的都能生产。

- 生产出来的产品和使用

温度控制的不断熔化物流将与传统挤压机直接连接

(就是说它代替常用的挤压机)或者熔化流通过热冷双温度的

的工序被磨碎来获得很高密度的粒物。

- 目标

溶解热塑的物质. 控制熔化的温度. 获得没有汽的产品。

避免过多的磨碎,这是因为机器的入口不可接受比100 毫米

大的物质. 避免进入物质的烘干,因为它能经得起20%的湿度。

它能把物质的密度增加到500公斤/立方米,还能减少物质的

温度. 热和没有汽的物质可以加料输入到挤压机。

使废物再循环。

- 好处

因为用PLC的自动管理使得不断的生产,所以不需要人员在场。

它能加工很湿(到20%湿度)也不均匀的物质. 为了避免物质的

损失,熔流的温度是可调整的. 它用电用得比一般线少,千瓦/

公斤的比例也是最佳的。

- 生产工序

进来的物质,第一次弄碎以后,流到 PROMECO EXTRUDER

SYSTEM 机器的料斗里.物质一直被一对螺旋式输送机推进到

一张震动的木板上, 这张木板定要进出挤压室里的流挤量。

这里发动加热的工序,还有机械磨得让物质粉碎了. 根据

水平仪的信号,如果物质太多,机器的入口系统马上停止,

再需要物质的时候才发动. 从挤压室里流出的物质进模具里,

流出来的有时候需要调整长度. 减压器的冷却

系统是利用油的闭路组成的. 很多种发动机都可以安装;

机器运行的时候根据物质的数量和出来产品的特点还可以

把机器的马达转数调整一下. 什麼仪器都是被中心电动机

调整的. 机器可以自动运行也可以手工运行。

PROMECO EXTRUDER SYSTEM

Twin screws densifyer/agglomerator with continuous production to recycle & regenerate heterogeneous & homogeneous plastics scraps & discards. Feeder for conventional extruder.

INPUT MATERIAL

Heterogeneous thermoplastic materials like refusals after waste selection (differentiated collection) or scraps coming from industrial processes. This equipment is ideal to process PE, PP, PS, PA, ABS, PVC, etc., as films, sheets, monofilaments, raffia, textiles, powders, foamed and poly-coupled. The process has a high allowance for any impurities in the flow.

OUTPUT MATERIAL & APPLICATIONS

Continuous flow of plastics moulded fuse, with settable temperature, designed to be directly fed into traditional extruders (replacing the usual densifyer) or to be ground, warm or after cooling, in order to produce high density granules.

TARGETS

To melt thermoplastic materials.

To set and control output melting temperature.

To produce an outgas material.

To avoid a small grind because it is allowed input size up to 100 mm.

To avoid the input material drying because it is allowed input moisture up to 20%.

Suitable to increase the material bulk density up to 500 Kg/m³ and reduce moisture content.

Suitable to feed traditional extruders with a hot outgas material.

To recycle waste materials.

ADVANTAGES

Worker not necessary because machine operation is controlled and managed automatically with PLC which permits continuous working process.

Suitable to treat materials with high moisture content (up to 20%) and heterogeneous composition. The output melted fuse temperature is settable in order not to shock material.

Electric power reduction compared to the traditional fixtures with a good ratio KW/Kg.

PROCESS DESCRIPTION

After pre-shedding operations, the input material is conveyed into the feeding hopper of the PROMECO EXTRUDER SYSTEM.

As soon as the feeder requires material, a level control unit coordinates its supply and it stops the input automatically when the maximum level is reached.

The feeder supplies the process with raw material. On a vibration channel the material is homogenised and dropped into the Extruder, where the material is treated by high friction and pressure and pushed through a matrix which gives the final shape and the size to the products.

The Promeco Extruder System can be equipped with different main motors according to the models and to the materials to be treated. The motor speed can be varied to suit the Extruder's rpm to the input flow and the output product.

From the matrix the continuous output fuse can be pushed into a breaking/cutting system which decides its length.

The gear box has a closed oil cooler.

The electric main board consists of 1 main board and 1 operator desk with a touch screen panel.

The main motor and the feeding hopper motor are under inverter system.

A PLC controls all the functions of the machine, which is able to operate automatically or manually.

类型 TYPE	加工能力* INPUT TREATMENT CAPACITY*	湿度 MOISTURE CONTENT	发动机功率** MOTOR POWER**	动力 SPECIFIC POWER	螺旋式输送机的大小 SCREWS DIMENSION
PES 300 F 110	400 公斤/小时	0% – 20%	110 千瓦	0,178 千瓦 /公斤	Ø = 300 毫米
PES 500 F 280	1.400 公斤/小时	0% – 20%	280 千瓦	0,130 千瓦 /公斤	Ø = 500毫米
PES 600 F 315	2.200 公斤/小时	0% – 20%	315 千瓦	0,092 千瓦 /公斤	Ø = 600 毫米

没有约束力的特点和数据 | FEATURES AND TECHNICAL DATA NOT BINDING

* 根据进入的物质和它质量变化的平均值 | medium quantity variable by the input material and its quality

**平均的吸收率 = 65% | medium absorption = 65%