

PLASTIC RECYCLING MACHINE

In Gestión de Compras we have a wide catalog of machinery and equipment for plastic recycling. We are aware that respect for the environment is a necessity and obligation for the industrial sector. There are many ways to contribute to the benefit of this, such as through the recycling of different plastics. Our wide range of machinery includes in-line washing machines, etc.

RECYCLING LINE POLYPROPYLENE (PP) AND POLYETHYLENE (PE)



This washing machine can be used to recycle plastic waste, such as plastic bags, agricultural plastic, packaging, etc. The entire production line is safe and complies with the highest quality, with CE and ISO9001 certificate.

High working efficiency, low moisture content (less than 5%). Long durability assured.

In Gestión de Compras we are committed to the highest quality and the best price, with advanced design and technology. High speed dewatering machine. High efficiency hot air dryer.



Product capacity(kg/h)	300	500	1000	1500-2000	3000
Workshop(L*W*H)m	Around30*7.5*6	Around35*10*6	Around40*12*6	Around45*15*6	Around55*15*6
Needed worker(persons)	3-4	5-6	7-8	10-12	10-12
Water supply(ton/h)	Around 2-3	Around 3-5	Around 7-10	Around 10-15	Around 15-20
Power consumption(KW/h)	To be Determine	To be Determine	To be Determine	To be Determine	To be Determine

RECYCLING LINE

PET BOTTLE



To clean PET bottles, some chain machinery is necessary.

The processes that plastic must go through for recycling are: selection, washing and drying. This equipment allows all these phases to be carried out thanks to its technology and machinery.

This product supports a capacity from 500kg / h to 3,000kg / h, depending on the model.



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RECYCLING LINE

PP and HDPE bottles, boxes, chairs and other injection plastic waste



Machine specialized in the recycling of various plastic. Quality and efficient operation assured. Reasonable prices and high technology. The entire production line is safe and complies with the highest quality, with CE and ISO9001 certificate.

High working efficiency, low moisture content (less than 5%). Long durability assured.

In Purchasing Management we are committed to the highest quality and the best price.

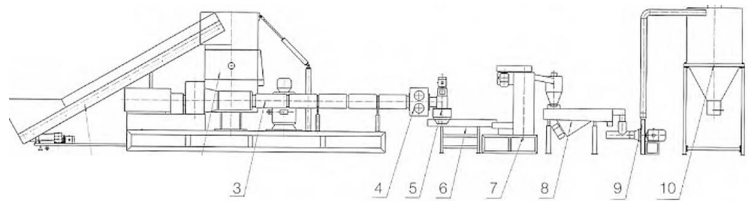
RECYCLING/GANULATING LINE

The plastic granulating / shredding machines are very useful for the recycling line, as they are used to break the plastic and facilitate its recycling. Inside the machine, some blades fed with the energy of the motor, are in charge of breaking the plastic into smaller pieces. Gestión de Compras has several types of shredders, depending on the type of plastic that the customer needs to recycle.

1. PET GRANULATOR



- Double exchange and crushing station.
- New design with higher torsional force.
- Automatic temperature control.
- Without pollution
- Production capacity of between 5 and 2,000 kg / h of plastic, depending on the model.



The diameter of the blades of this product varies between 25 and 130 mm, reaching a production of 2000 kg / hour.

2. PVC GRANULATOR



Vertical granulator / grinder, cone-shaped. Double blade.

Able to process rigid PVC with great effectiveness. Cut through heat, ensuring even a well-shaped finish.

Depending on the model, a capacity of between 80 to 800 kg / hour is achieved.

3. PP/PE GRANULATOR



Equipment specialized in the granulation of POLYPROPYLENE (PP) and POLYETHYLENE (PE) flakes.

Possibility of single or double station, depending on the material and the client's needs.



PP/PE film roll



Bags



Film scraps



Garbage Bag



Shrink Film

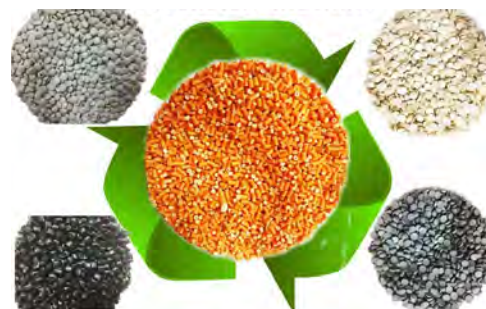


Film Sheet



Bubble Film

This product achieves a production of up to 800 kg / hour, with blades between 90 and 200 mm in diameter.



DOUBLE STAGE GRANULATING LINE

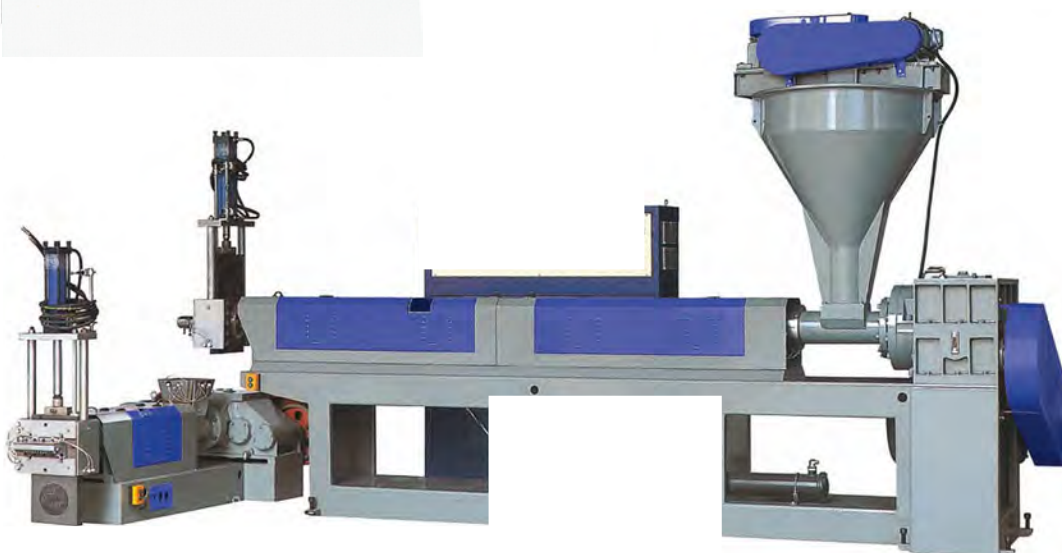
This double stage granulation line is mainly designed to process rigid PE, PP flake or waste film flake. The advantage of the double stage granulation line is that it melts better and the material is cleaner after two screen changer filters. It is an ideal machine for the type of slightly dirty material. For LJD screw it varies according to the state of the material, for example rigid material or film flakes.

With processing capacity of 150 to 600 kg / h depending on the model.



The blades can vary their cutting method, front cut or strand, depending on customer preferences. The diameters of the blades vary between 120 and 160 mm.

GRANULATING LINE - VERTICAL FORCE FEEDER (PP-PE)



Various models available. Production between 200 and 400 kg / h. Maximum dimensions 5x2.6x 14 m. Maximum weight 9,200 kg.

WATER GRANULATING LINE - THREE STAGES

Our company produces three-stage automatic water feeding granulation and extrusion machine group, it is professionally designed for automatic feeding of PP, PE; It greatly reduces the intensity of manual labor and the accident rate, further increases the production at the same time.

Good wear resistance, high productivity. The machinery can be structured in a linear or T-shape, depending on the space available. This unit makes the beans more solid, smooth and pure.

Different models available.



Depending on the model, this granulation line, made up of three stages, is capable of processing between 180 and 800 kg / hour.

GRANULATING LINE BY WATER RING - THREE STAGES



Depending on the model, this three-stage water ring granulation line is capable of processing between 180 and 800 kg / hour.

WATER GRANULATING LINE - TWO STAGES



Depending on the model, this granulation line, made up of two stages, is capable of processing between 180 and 600 kg / hour.

PP-PE, ABS, TPU, PS, PVC, PI GRANULATE RECYCLING LINE



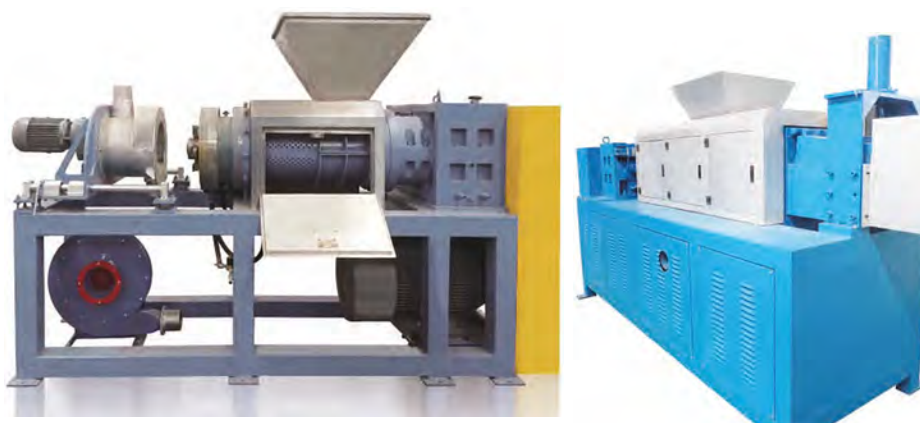
This product offers a production of between 150 and 320 kg / h, depending on the model. The approximate dimensions are 5x2x11 m.

DOUBLE EVA GRANULATING LINE



Various models available. This product guarantees a production of up to 670 kg / h. The characteristics of the fan, sieve and others of the granulation line processes; depend on the model. Purchasing Management advises its clients with the best option for each purchase.

DEHYDRATION-DRYING MACHINE



Description: The Squeezer dryer can dry film flakes immediately. Equipped with rotating screw and special reducer box, which could dehydrate and dry the film flakes. Easy to use. The drying effect can reach 92% -95%. Capacity between 300 and 800 kg / hour.

This machine is used for squeezing and pre-pelletizing PP / PE films, woven bags. ton bags, nylon, etc. It is equipped with advanced screw extrusion system, the squeezing efficiency could reach 95%. It can also work according to the washing and pelletizing line with reliable capacity and automation of the whole process.

TWO STAGE COMPOUND EXTRUDER

PVC compounds, foam material, thermosetting, as well as all types of compounds for cables, i.e. PVC, XLPE, semiconductor, etc.

A single screw cools and creates pressure to extrude and cut.

Excellent compounding efficiency and high performance.

Different models available, with the option of single or double blade. Production capacity from 15 to 3,000 kg / hour.



PET GRANULATING MACHINE - DOUBLE PARALLEL BLADE

This production line uses SHJ parallel twin screw extruder, the whole line includes SHJ series extruder, die, hydraulic screen changer, cooling tank, air drying, granulator, silos, apply to PET granulation, granulation of PET color master batch mixing, other pelletizing composition and modification, screw extruder with a vacuum exhaust system, the material from the water vapor can be discharged, the hydraulic screen changer can effectively fill the impurities in the material .

Production between 80 to 800 kg / hour, depending on the model.

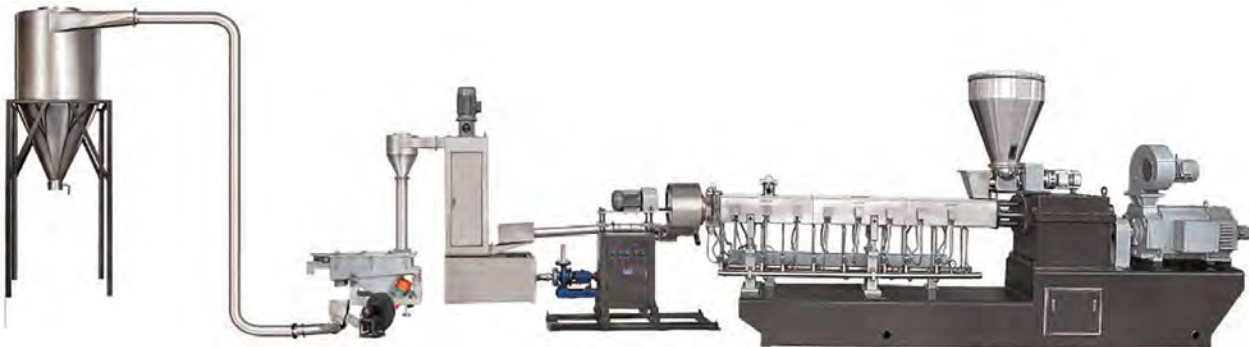


PELETIZING LINE - GENERAL

The strand granulation system could be applied to most polymer related applications. It is very easy to operate and convenient to maintain. The main components generally include extrusion plates, water bath, air dryer, filament pelletizer, vibrating screen, silo, and packaging system.



COMPOUND AND FACE PELETING HOT WATER - POLYMER FILLING AND MIXING SYSTEM - GENERAL



PE, EVA, etc. filled with CaCO₃, Tale, TiO₂, carbon backing, etc.

Cable jacket, LOPE, HDPE, LLOPE or MOPE cable insulating compounds. Radiation crosslinkable PE compounds for crosslinked pipes. Thermoplastic elastomers TPR, TPU. EVA and colored concentrated hot melt adhesives of PE, ABS, PS, EVA, etc.

HOT CUT PELLETING SYSTEM WITH DOUBLE AIR COOLING



Full modification: PE, EVA, etc. + CaCO₃, Tale, TiO₂, Carbon black. Degradable masterbatch: PE, PS, etc. + starch, additive, etc.
Anti-flame master batch: PE, EVA eaten. + Sb₂O₃, Mg (OH) 2, Al₂ (OH) 3, etc.

UNDERWATER PELLETING SYSTEM



Electric control system, melt pump system, hydraulic screen exchanger, start valve, cutting die device, underwater pelletizer, collector, hydraulic control system, centrifuge! hydroextractor.

LABEL REMOVER



The tag remover can be divided into two categories: one-axis tag remover, three-axis tag remover. They can remove the plastic tag using air suction and friction from the blade. Single axis tag remover can remove the tag by 95% and 100% removal ratio with large capacity by three axis tag remover.

Several models available for both categories, achieving a production of between 300 to 3,000 kg / h.

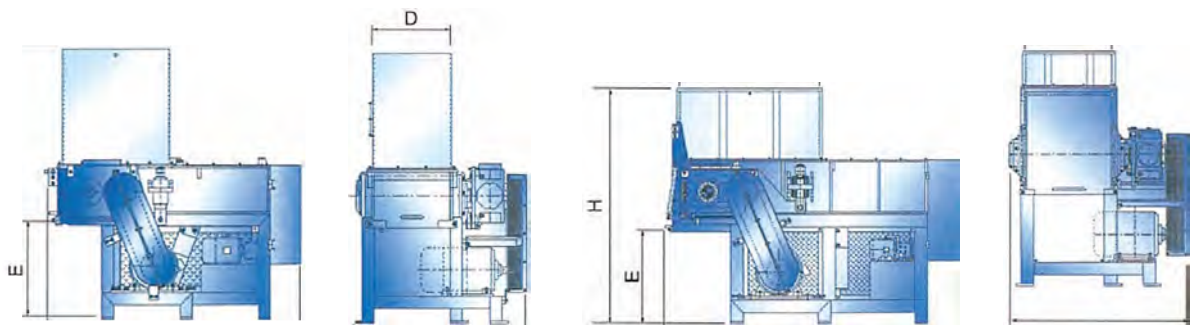
PLASTIC / FIBER AGGLOMERATOR

Applicable binder for recycling film or fiber, the sheet can be disassembled, it is easy to clean and maintain.

Low noise level and high capacity. Production from 100 to 550 kg / hour, depending on the model.



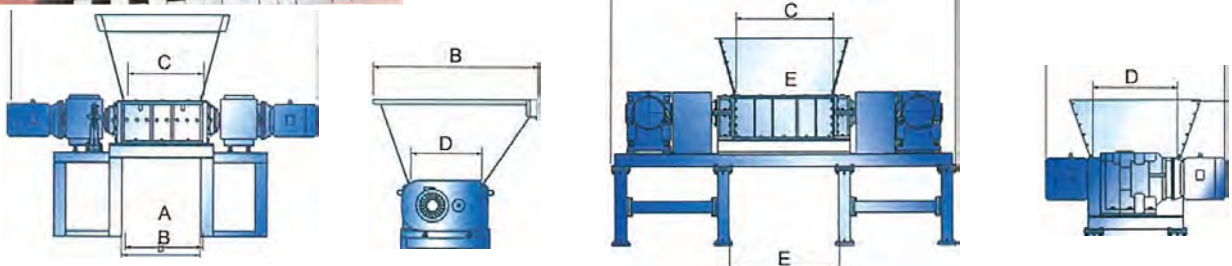
SINGLE SHAFT CRUSHER



Several models available, each with different facilities. Weight from 1550 to 8000 kilograms. Up to 130 rotary blades.

DOUBLE SHAFT CRUSHER

Several models available, each with different facilities. Weight from 1400 to 18000 kilograms. Up to 36 rotating blades.



PIPE CRUSHER



Several models available, with a production capacity of between 200 to 800 kg / hour.
From 44 to 72 rotary blades.

DOUBLE BLADE SHREDDER - PP / PE / FABRIC BAG

Several models available, with a production capacity of between 300 to 2,000 kg / hour. From 44 to 84 double blades available.



HYDRAULIC PACKAGING MACHINE

Gestión de Compras supplies a wide range of hydraulic balers to customers to manage their recyclable waste materials. Our balers range from vertical balers to horizontal balers.

For a bailing machine, the most important part is the hydraulic setup. Among the hydraulic parts, the oil seal and the oil cylinder are the most important parts. We adopt oil sealing and use very solid piston rod for the cylinder, which can guarantee that our packing machines work for more than 15 years.

You can choose the balers based on your applications, which can be used to press cardboard, paper, PET bottles, HDPE bottles, aluminum cans, metals, tires, fibers, used clothing, sawdust, hay, garbage, etc.

Various models available. Measures from 990x700x2070 to 1850x1250x3300. Weight from 500 to 3,000 kg / h. Bale size (mm) from 600 x 400 to 1500 x 750.



STRONG PLASTIC CRUSHER

The PC series crusher uses high quality tool steel, the blade material is 9CrSi, SK0-11, OC53. The blade is very sharp and durable. The blade installation can be adjusted. The blade can be sharpened many times, so the service life of is very long. Capacity from 50 to 1500 kg / h, depending on the model. Weight from 300 to 3,600 kilograms. From 3 to 34 rotating blades.



PULVERIZER

The plastic sprayer is used for the utilization of waste recycling, recycling of plastic pipes and profiles, plastic modification widely.

This kind of machinery can grind all kinds of hard and soft materials into 20-80 mesh powders at normal temperature. Works with a wide range of PVC / PE / PP / ABS / PS / PA / PC materials.

This machine has a production 2 or 3 times higher than that of a normal miller, equipped with a dust collector. An ideal energy saving machine for the plastics industries. The blade is adaptable, stainless steel and durable, it can work continuously. The main shaft, combined with the oil pump, can be used about 3-4 years in normal use.

Suitable for recycling all kinds of thermoplastic such as PP, PE, PVC, PET, EVA, ABS, etc.

This unit ensures cost savings and an end to waste.

Maximum speed: 3100 to 3800 rpm.

Capacity: 50 to 400 kg / hour.

Main motor: 30 to 55 KW.



PLASTIC CRUSHER

Low power consumption, easy to install, operate and maintain. Possibility of changing blades of different diameter, you can obtain different sizes of the final product. Automatic machine stop when cutting blades are exposed.

Application: Shredding of waste plastic pipes and plastic profiles for recycling purposes.

From 5 to 10 rotary blades, with a diameter of 400 to 630 mm.

From 2 to 4 static blades.

Capacity from 150 to 650 kg / h.

Weight from 1100 to 1580 kg.



HORIZONTAL MIXER UNIT

The mixer body is SUS304 stainless steel, it has a very good, smooth and rigid surface with wear characteristics, corrosion resistant, heat resistant, non-stick with raw material. The hot mixer cover material is ZL102 cast aluminum with polished surface.



Hot and cold seal feature silicone rubber seal with reliable and deformation-free sealing effect even at high temperatures.

It has a stirring paddle that reduces noise and improves the useful life of the machinery.



BALE BREAKER

Widely used in chemicals, plastics, new energy, wastewater treatment, infrastructure, and other industries.



VACUUM MACHINE

The vacuum conveyor has been widely used in chemical, pharmaceutical and food products, metallurgy, building materials, agricultural products, renewable energy and other light and heavy industries. It can be used to measure and weight.



For more technical specifications, contact Gestión de Compras.

MIXER UNIT

The mixer is used to mix, color and dry various resins, such as polyethylene, polypropylene, polyvinyl chloride, ABS, polycarbonate, etc.

This unit combines the hot and cold mixer with each other, to be able to expel the gas and prevent agglomerations.

The cover is double concave-convex. Long durability

