

# Maximum degassing power to process materials with inks and humidity //



## Typical materials //

- PE film (HDPE, LDPE, LLDPE)
- PP film (BOPP, CPP)
- Rigid PP
- BOPP Film

## Optimized for applications //

- Recycling of post-consumer plastic waste with the highest content of inks and/or humidity.
- Compounding or additivation of loads with large particle size.

## Benefits //



### Gasless pellets

- High vacuum system with pressure up to 10 mbar
- Elimination of gases generated in the filter
- Maximum volatile removal power



### Efficient after-sales service

- Excellent response time to breakdowns
- Remote assistance through augmented reality
- Immediate availability of key parts



### High profitability

- Highly competitive prices
- Optimal production/energy consumption ratio
- Wear parts repair



### Premium quality

- Screw and barrel made of the best bimetallic steel
- Premium quality components
- Full control of critical parameters

## Components //



- 1 **Feeding belt** with metal detector to work with film or materials with very low bulk density.
- 2 Large **compactor** to precondition the material and obtain the maximum extrusion performance. The material is cut, heated, dried and agglomerated.
- 3 **First single screw extruder** with high plasticising and homogenising power.
  - Includes the best gearbox for extrusion applications and the highest efficiency motors.
  - Precise and efficient temperature control by infrared (heating) and thermal oil (cooling).
- 4 **Continuous laser filter** with the highest filtering power on the market (FIMIC). Capable of removing large amounts of contamination at low pressure levels.
- 5 **Second single screw extruder** with different screw configuration and rotation speed to adapt to each type of material and application.
  - Specific design to increase the degassing power on the molten material.
  - It allows compounding applications and additives with large particle size charges.
- 6 **High vacuum degassing system.**

Up to 3 vacuum exposure zones to maximize the removal of gases and volatiles. Increase in the exchange surface of the molten material with the vacuum in the transfer zone between the extruders.
- 7 **Water ring pelletiser** suitable for all materials with MFI <30 and moderate filler content.
- 8 **Vibrating sieve and centrifugal drier** to remove water and particles of unwanted sizes. Innovative system for filtering and collection of fines.
- 9 **Silo with weighing system** to control the production and bagging of the pellets.

## Models //

Availability of different configurations (powers and sizes) to offer productions from 500 to 1,600 kg/h approximately.