

Maximum efficiency and profitability in the recycling of post-consumer plastic waste //



Typical materials //

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

Optimized for processing //

Post-consumer plastic waste with a high content of moisture and pollutants.

Benefits //



Maximum profitability

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



Efficient after-sales service

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



Quality pellets

- Barrel and screw made of the best bimetallic steel
- Premium quality components
- Full control of critical parameters



Flexibility

- Development of customised solutions
- Solutions for specific needs
- Integration of new technologies

Components /



- 1 **Feeder belt** with metal detector to work with film or very low bulk density materials.
- 2 Large **compactor** for material preconditioning to obtain maximum extrusion performance. The material is cut, heated, dried and agglomerated.
- 3 Large (L/D 40) **single-screw extruder** to ensure maximum homogenisation and plasticisation of the material.
 - Includes the best gearbox for extrusion applications and the highest energy efficiency motors.
 - Precise and efficient temperature control by infrared (heating) and thermal oil (cooling).
- 4 Double outlet **degassing system** with vacuum pump for the removal of gases and volatiles. Different configurations to adapt to the conditions of each material.
- 5 **High-performance filter** for processing highly contaminated materials. Double piston filter with backflush upgradable to continuous laser filter (FIMIC or Ettlinger).
- 6 **Water ring pelletiser** for processing polyolefins with an MFI <70 and moderate filler content.
- 7 **Vibrating and centrifugal sieve** to remove water and particles of unwanted sizes. Innovative system for filtering and collection of fines.
- 8 **Silo with weighing system** to control the production and bagging of the pellets.

Models /

	Velox 80	Velox 100	Velox 120	Velox 140	Velox 160
Output (kg/h)	250-350	450-550	600-800	900-1100	1500-1600
Screw diameter (mm)	80	100	120	140	160
L/D	40	40	40	40	40
Compactor diameter (mm)	1100	1300	1500	1700	2000
Energy efficiency (kWh/kg)	0,2-0,32	0,2-0,32	0,2-0,32	0,2-0,32	0,2-0,32