

regeneration  
recycling  
granulation



## Our vision: recycle to prosper

We are an eco-citizen actor at the heart of the circular economy. Our goal is to act in a significant and sustainable manner for our planet.



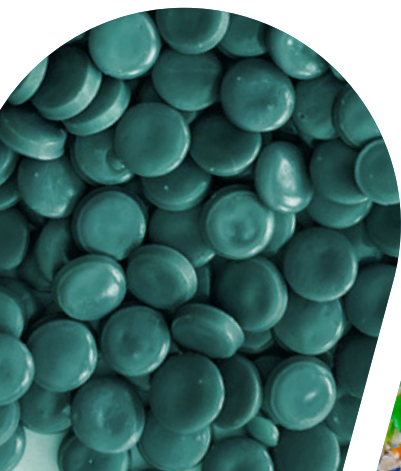
## Recycling, regenerating: that's our mission

**Granuplast** recycles high-density polyethylene (HDPE) and polypropylene (PP) plastics from common household and industrial waste, previously collected and prepared for recycling by professional recycling waste collectors.



**Granuplast** has developed a sustainable alternative to current practices based on a fully automated plastic regeneration process. Our product is filtered through water, and undergoes 5 additional and complementary sorting and filtration levels, including an electrostatic system to ensure first class quality.

**Granuplast** is an economical player who contributes to limit the impact of the industry on our environment. **Our finished product**, manufactured from recycled waste, can be used directly by companies via extruders or injection presses.



## TURNING PLASTIC WASTES INTO A RAW MATERIAL

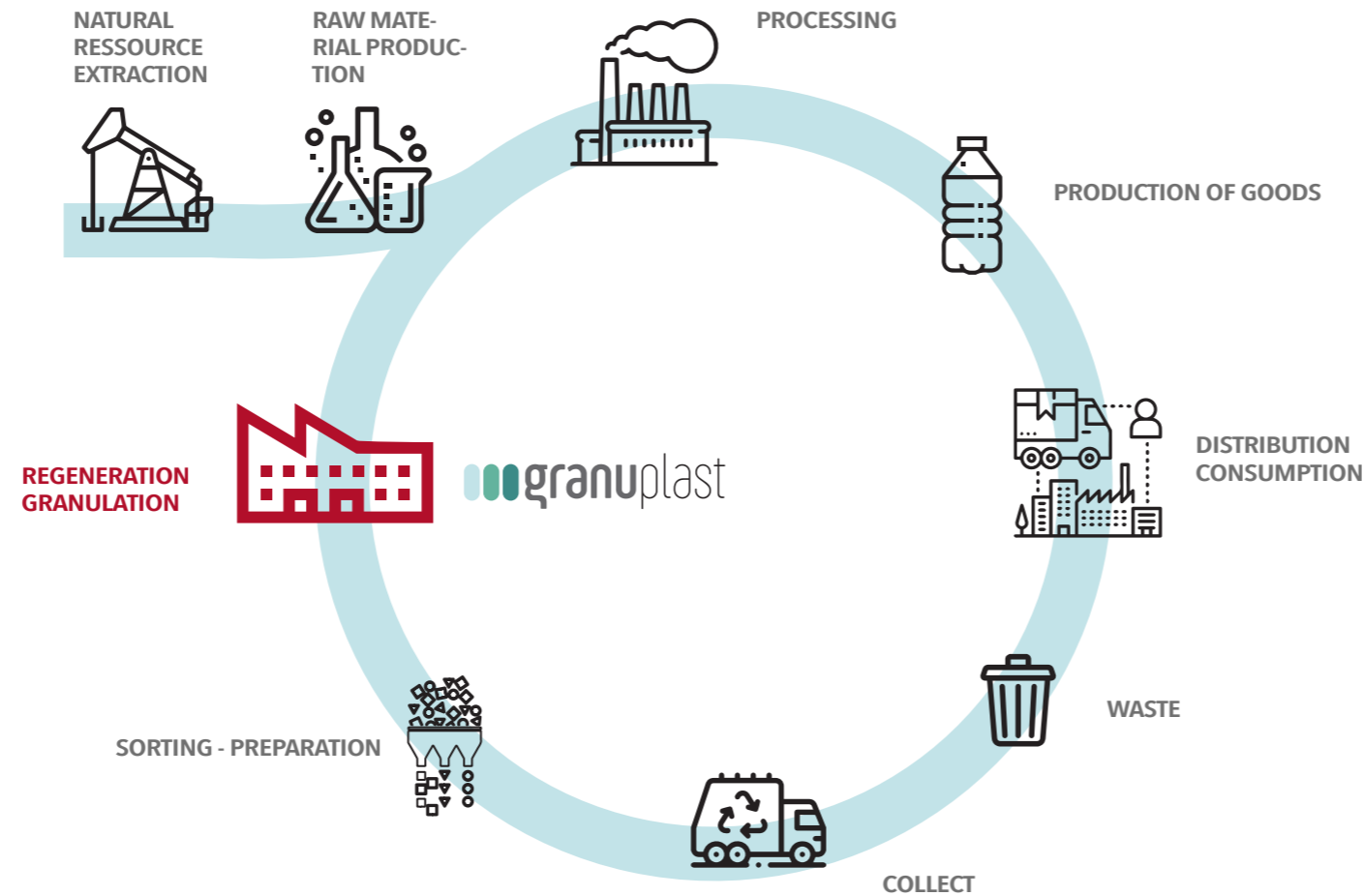
Our granulates are manufactured by recycling plastic bales coming from the collection and selective sorting of industrial and/or residential wastes.

### RECYCLED PLASTIC IS ECONOMICAL

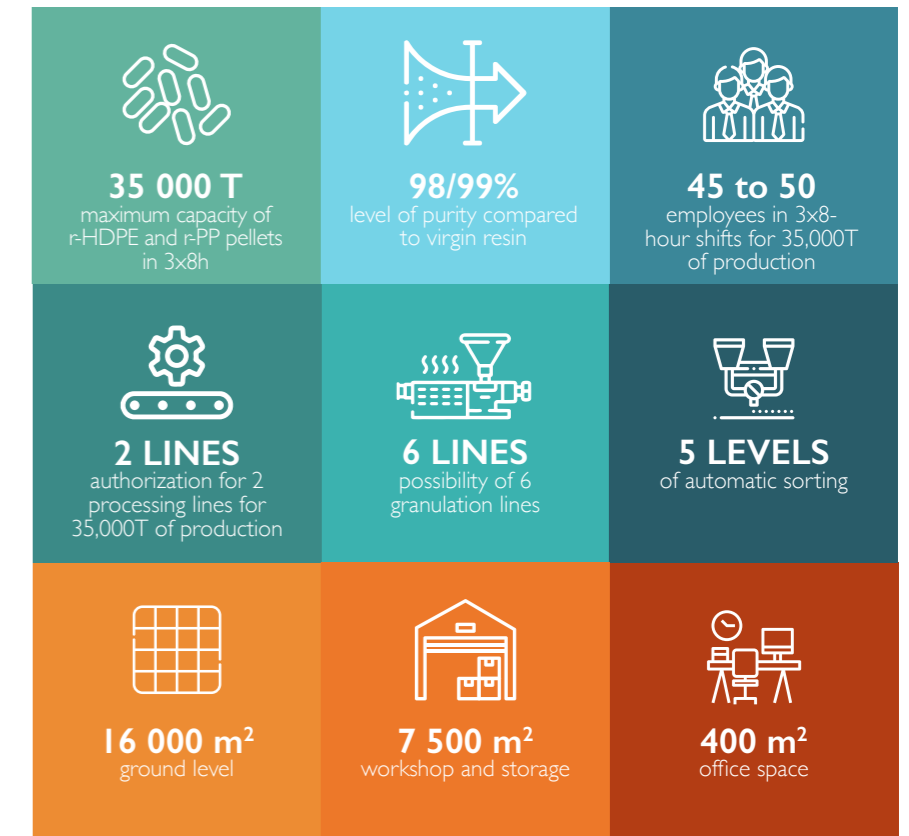
The purchase price is more competitive and stable than the cost of virgin plastic.

### RECYCLED PLASTIC IS EFFICIENT

Our granulates have comparable performance to virgin plastics.



## KEY FIGURES



## A MECHANICAL PROCESS FOR MAXIMUM QUALITY

The entire process is monitored by our quality department to guarantee a first class quality of our products.



### RECEIPT

The plastics arrives in the form of bales, **mainly HDPE and PP**, from household and industrial waste collectors/sorters. The bales are first checked then stored in batches. To ensure the full traceability of the material, the **pre-treatment** is done in batches equivalent to a truck load.

### SHREDDING

The bales are automatically loaded into the shredder. The shredder, with a capacity of 5t/hour, is capable to reduce all types and shapes of plastics into **flakes of less than 50 mm**.

### SHREDDING, WASHING, SORTING

The shredded material is **crushed in water** into flakes smaller than 14 mm. We then sort the material through **decantation**. Our washing water is **reprocessed in a closed circuit** and reused in our production line.

### ELECTROSTATIC SORTING

In order to improve the sorting and the quality of the finished product, our line is completed with a double **electrostatic sorting system** which ensures a purity rate of 98/99% close to the virgin resin.

### HOMOGENIZATION

After drying, the flakes are put into a mixing silo to obtain a **perfect homogeneity**.

### GRANULATION

The flakes fill the extruders. **Colorants can be added** at the customer's request. The extruders are equipped with **two degassing zones** each, and a 150µ sieve filtration to remove the last impurities.

### PACKAGING

At the end of the granulation process, the granules pass through a mixing silo for a **second homogenization**. An automatic **big bag packaging** equipment finalizes the production process. Each big bag contains 1t - 1.2t of granules.

### SAMPLING

The in-house laboratory, managed by qualified personnel, with the help of new **DSC3 physical analysis equipment**, allows continuous quality control of HDPE and PP samples in order to know precisely the levels of **purity of the recycled granules**.

## A COMPANY FOCUSED ON EUROPE

Granuplast is located in a region of competitiveness and innovation considered to be the leading region in France in the field of plastics and composites. This leading position is partly due to the presence of the Plastics Valley located a few hours from Geneva, Turin, Milan, or Stuttgart.

This proximity offers numerous sources of supply of raw materials for recycling and numerous sources of customers.



Let's reinvent  
plastic recycling.

Let's participate together  
in the ecological transition.



## Granuplast France SAS

754 rue de la Liberté  
01480 Jassans-Riottier - France  
Tél. : +33 (0) 428 390 410

 [www.granuplast.fr](http://www.granuplast.fr)  
[info@granuplast.fr](mailto:info@granuplast.fr)

