



SOLUTIONS FOR MIXED PLASTICS BY EXTRUPLÁS

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WHY ARE MIXED PLASTICS ENCARDED SUCH A PROBLEM ?

- There are some reasons:
 - High range of polymer types
 - Small pieces
 - Contaminated material,
 - High production costs
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EXTRUPLÁS HISTORY

- Extruplás was born in the year of **2000**, with manufacturing installations in Trofa – Porto.
- In **2006** it passed to a new management, inserted in a group of companies, already with some history in environment and recycling area .
- In **2008** a new request for industrial license was made for new installations in Seixal - Lisbon.



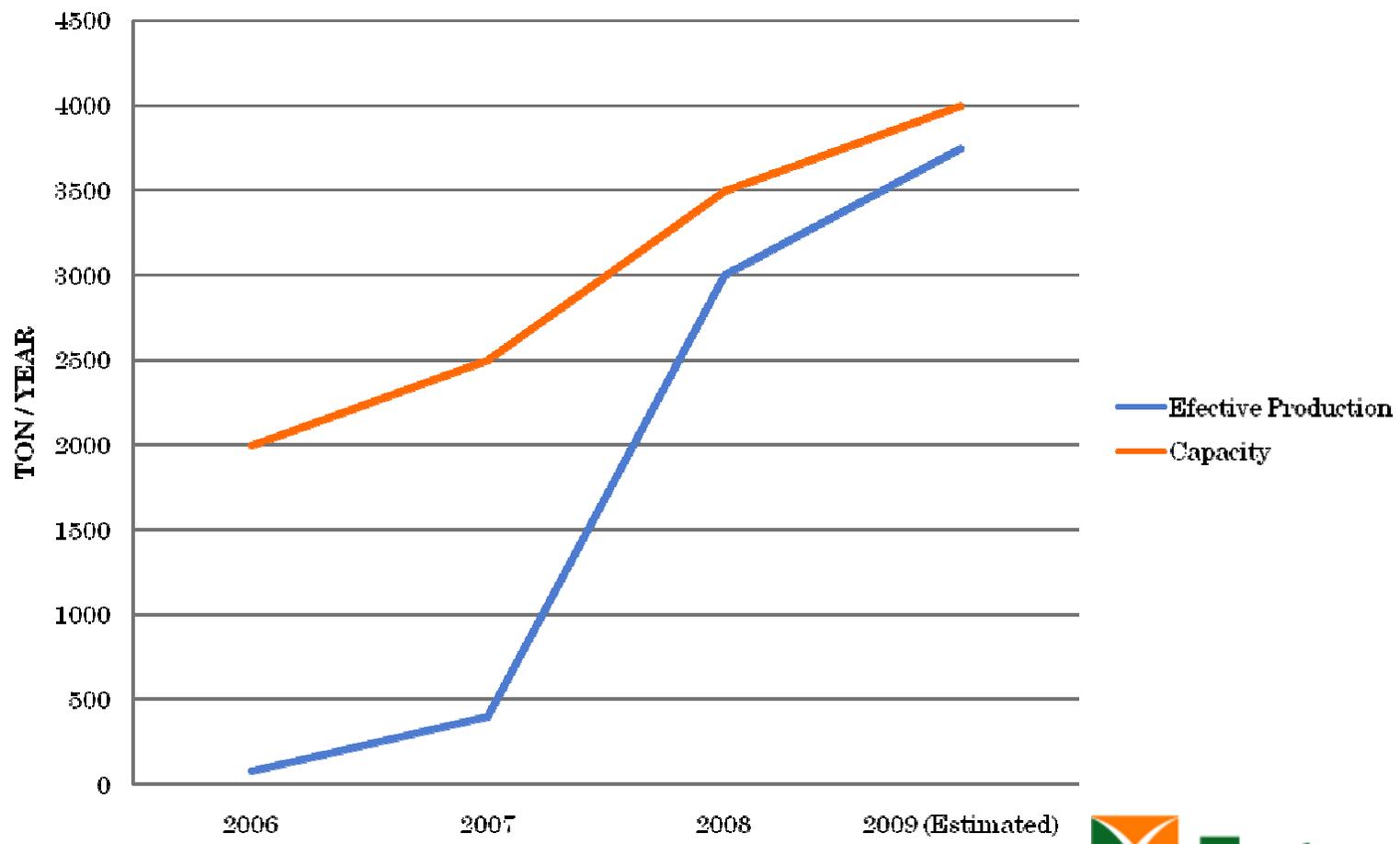


OBJECTIVES

- Reduce, Recycle and Reuse
- Increase recycling capacity of plastic waste in more than 20%
- Achieve goals of plastic waste recycling for 2011
- Reduce the use of green areas around the world
- Present an ecological product to the market with high quality and durability
- Increase the variety of applications for use of this product with quality design and ergonomic applications
- Be a pioneer in innovation in this particular area

EVOLUTION OF PRODUCTION CAPACITY

Capacity Vs Effective Production



RECYCLING PROCESS

- Recycling process must be separated in two phases: Rigid Plastic and Flexible Plastic Process, as you can see by the flow diagram below.



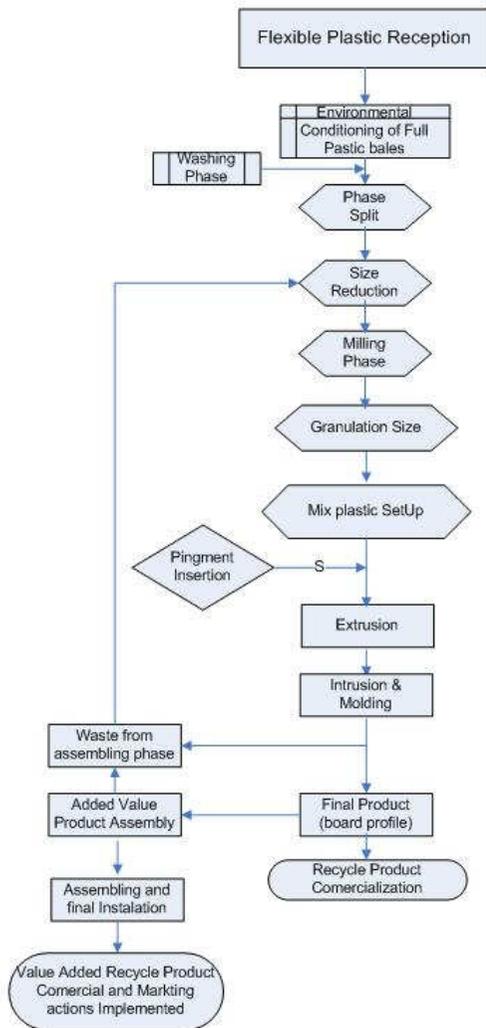
- As a basic system flow we can say that we need 5 steps to achieve results:
 - Reception and conditioning
 - Fraction split (manual and mechanical)
 - Size reduction equipments
 - Intrusion/Extrusion and Molding
 - Product with value added

RECYCLING PROCESS

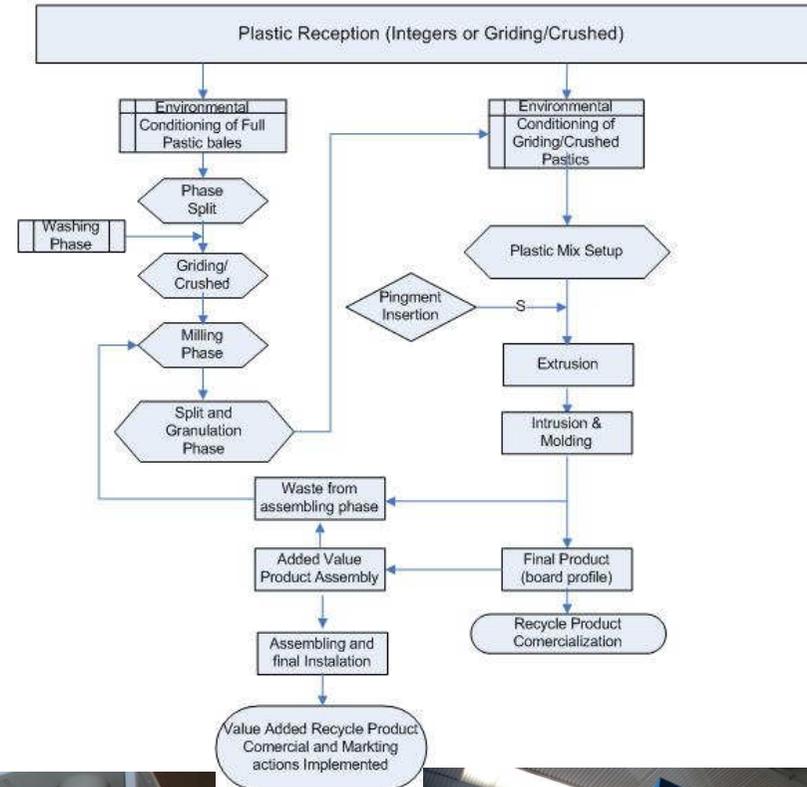


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Industrial Process for Flexible Plastic Recycling



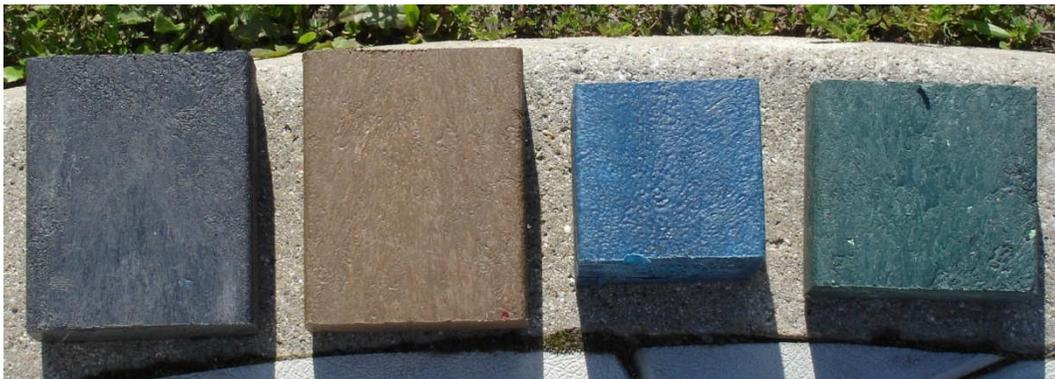
Industrial Process for non-Flexible Plastic Recycling





RECYCLING PROCESS RESULTS.....

**PROFILE
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IMAGINATION IS YOUR LIMIT.....





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Thank you for your attention!

www.extruplas.com

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