DESIGN AND CONSTRUCTION OF AN ELV-WINDSCREEN RECYCLING LINE" (WS-REC)

Design and construction of an elv-windscreen recycling line (WS-REC)

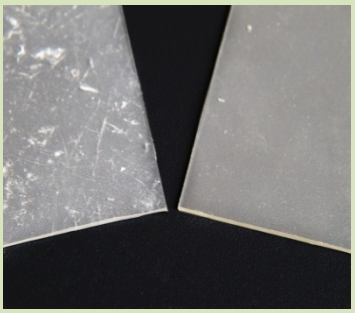
SUMMARY

The main objective of the European project WS-REC is to construct at a pre-competitive scale a windscreen recycling line which enables the recovery of the main materials from which it is composed, glass and PVB.

Annually around 270.000 tonnes of ELV-glass wastes, mainly from windscreens, are generated in Europe. The PVB represents almost a 10% of the windscreen's weight and its recovery is considered to be rather expensive attributable to different aspects, such as its difficulty to be removed or its materials separation and recycling.

On the other hand, the project is based on the technological innovation for PVB purification developed by Lurederra (resulting in WO2009/118426A1), complemented by a powerful industrial support which will enable the design of an efficient recycling line. The whole system is divided in 3 modules and every machinery and tool requirement will be analysed by the participants, especially by the 4 partners with more experience in machine construction and optimization (PHB, MOS, Zaber and INM).

WS-REC project contribute the European environmental policy for the recovery of ELV's (European Directive 200/53/DC).



PARTNERS

*Centro Tecnológico Lurederra (Spain)**
Ingeniería Navarra Mecánica, S.L. (Spain)
Glassdrive (Spain)
Zaber Sp. Z.o.o (Poland)
Plastic Herverwerking Brabant BV (Netherlands)
Machinefabriek Otto Schouten B.V. (Netherlands)

**Coordinator*

PVB comercial

PVB reciclado

STARTING DATE: April 2011
DURATION: 36 months
BUDGET: 1.362.337 €

European Commission
CIP-EIP-Eco-Innovation
ECO/09/256180 WS-REC