



Deliverable

D2.2 Pilot Machine for PU waste sorting as well as a specified pre-conditioning process of PU EoL materials and a software solution for the implementation of new sensors

WP2 – Smart Sorting

Project Information

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Publishable Summary

In the PurSmart project, REDWAVE has built a pilot sorting machine for PU waste sorting. The machine contains all necessary units for sorting of flexible foam: an acceleration belt feeding the material to the machine, a detection unit comprised of halogen lights and a suitable spectral sensor, an ejection unit and two material shafts separated by a separation roll. The machine has been designed in a specific way allowing easy and quick substitution of different components.

Furthermore, extensive tests have been performed on comminution and screening equipment to define pre-processing steps for EoL flexible PU foams that consecutively allow highest throughput, yield and sorting quality.