

MD.28.

Title **Intelligent Waste Sorting System**
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Institution **Technical University of Moldova**
Patent no. -

Description
EN

The project is in the field of ecology and environmental protection, in particular it concerns to the methods and technologies for industrial and managerial waste sorting. The project represents a compact and autonomous system for managerial and industrial waste sorting based on waste physical properties. The scientific concept of the applied method is based on Artificial Intelligence models with self-learning properties. The technological concept is based on the automatic movement of the waste on a conveyor, the analysis of physical properties and waste sorting in ferrous and non-ferrous metals, plastic, glass and paper.

INTERNATIONAL EXHIBITS

EUROINVENT 2020

For the realization of the project, the mathematical model was proposed and intelligent algorithms were developed for waste sorting, implemented in a functional prototype.

Class no.

1. Environment – Pollution Control