






AI-Waste Engine



-  Identify materials from a mix plastics, wood, cardboard, metal, food, textile, etc
-  Ultimate accuracy for plastics detection like PE, PET, PP, HDPE, LDPE, ABS, PLA and PS
-  Detect multilayer materials
-  Size, weight, volume, packaging type
-  Calculate the moisture content

Let the Pixel-AI engine manage your waste identification process in real time, ensuring compliance and simplifying sorting processes.

Our visual Pixel-AI engine is able to provide a cost effective platform that analyses and provide in-depth knowledge of your waste material characterization to improve the treatment of your waste.

80%
time reduction⁽¹⁾

75%
in savings⁽¹⁾

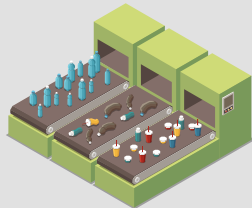
95%
of accuracy⁽¹⁾

Characterization of urban waste "outside-the-process"



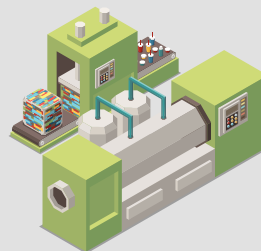
Streamline recycling analysis for municipal waste. Adapt the lines according to the incoming waste.

Selection and characterization of waste



Analyze the inflow line in real time to determine the type of waste your plant receive.

In-line analysis



Discover the real efficiency of mechanical, optical and chemical sorting and recycling equipment. By installing the product on the lines after sorting and recycling.

Plant output effectiveness report



Analyze sorted and/or recycled waste for composition, weight, and value, comparing performances across plants, time, and lines.

Material characterization through Artificial Intelligence

AI POWERED

It gets better the more you use it and ensures you are compliant.

REAL TIME

Confidence in compliance with real time results.

RELIABLE

Ultimate accuracy for better decision making (>95%).

ON CLOUD

Intelligent cloud-based dashboard with BI.

INDIRECT INSPECTION

Contactless and non invasive measurement.

INDUSTRY ORIENTED

In-line fast detection for industrial processes.

COMPLETELY CUSTOMIZABLE

Train and visualize specific materials & insights.

PLUG & PLAY SYSTEM

Plug & play system. Integrate seamlessly with current systems.

Key features

- Get to know insights on your materials being used for input and output on selection & recycling processes.
- Identify the valuable items in waste, including their material, weight, volume, moisture content, and calorific value.
- Work without direct contact with the material keeping established operational processes.
- Enhance selection accuracy, characterize input/output of recycling plants, and boost the future of recycled materials.

