



## NEED TO SORT BLACK PLASTICS?

### PROBLEM:

Difficulty in detecting and sorting of black plastics is a known problem among recycling industry. More than a million tons (value 600 € per ton) are wasted every year due to the lack of suitable measurement.

Near and Short Wave Infrared (NIR/SWIR, 1 000 - 2 500 nm) spectroscopy is capable of reliable identification and sorting of clear and most colored plastics. In black materials, the black pigments however fully absorbs the short wave infrared light and covers the spectral signature of the plastic itself.

### SOLUTION:

SPECIM offers a high speed MWIR spectral camera and specific light source which, for the first time, make it possible to integrate efficient industrial sorting solutions for black materials. Contact SPECIM for information and opportunity to test the technique with your own samples.