



10 Plastics Reflectivity

1

Mobile NIR Spectrometer

- Handheld device
- Plug-and-play
- Robust

2

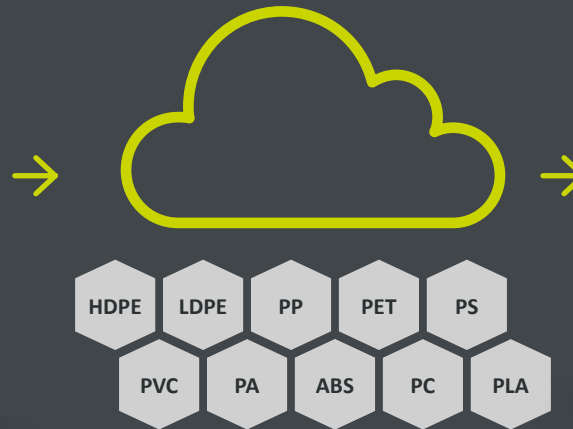
Cloud Services

- Database available globally

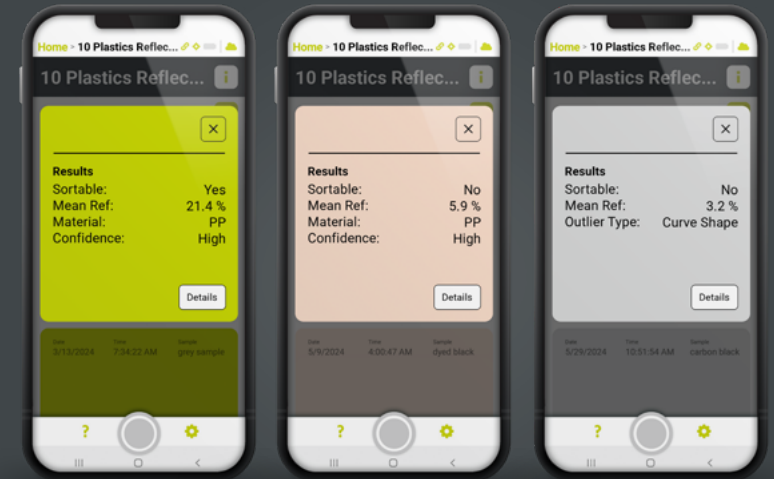
3

Smartphone App

- Provides actionable results in real-time
- Available for Windows, Android & iOS



This application predicts the sortability of plastics samples according to the APR Design Guide. For regions where the APR Design Guide does not apply, the NIR reflectivity is shown through the identification of the correct polymer type.



White Sample
Reflectivity > 10 %
= sortable

NIR-Black Sample
Reflectivity < 10 %
= not sortable
But sample is still NIR detectable as correct polymer type is identified.

Carbon Black Sample
Reflectivity < 10 %
Polymer type cannot be identified.