

trinamiX Mobile NIR Spectroscopy Solutions

Identify plastic types at the push of a button



Powerful combination of mobile hardware, data analysis, and material expertise

✓ **Mobile**

Plastics can now be easily distinguished on the spot with the simple use of a portable handheld device.

✓ **Fast**

Plastics are identified within seconds, even without an internet connection.

✓ **Easy**

Our solution offers intuitive handling and is operated at the push of only one button.

Enhancing assurance and transparency with insights into your material streams

✓ **Assurance**

Improve your incoming quality control process with the reliable on-the-spot identification of different plastics.

✓ **Transparency**

Our Customer Portal enables you to document, visualize, and analyze incoming and outgoing material streams.

trinamiX

A brand of
BASF – We create chemistry

Packs for every application

Our offer for your individual needs

trinamiX PAL One
mobile NIR spectrometer



Customer
Support



Ready-to-use
calibrations



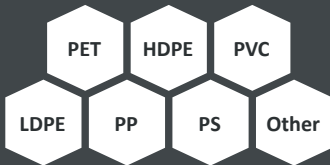
Customer Portal &
trinamiX App

trinamiX Mobile
NIR Spectroscopy Solution

Plastics Pack



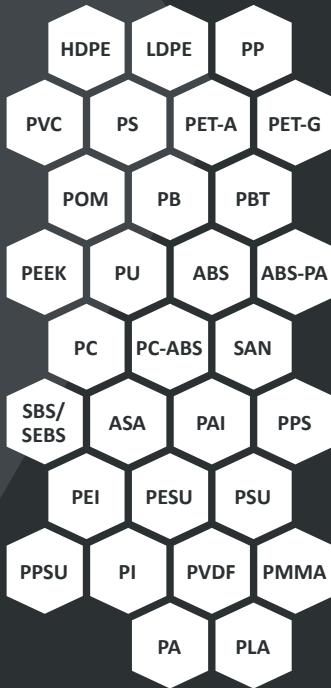
Identify the most common plastic types in post-consumer waste



Plastics Pack PLUS



Identify an extended range of plastic types



Plastics Pack MAX



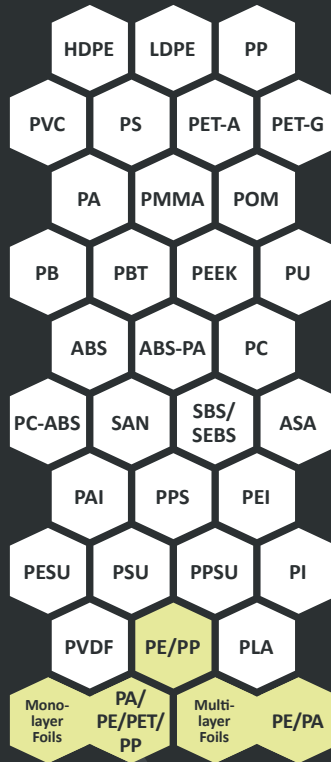
Identify an extended range of plastic types



Quantify mixes of PE and PP



Identify monolayer and multilayer foils



Improving on-the-spot decision making through NIR spectroscopy

trinamiX makes the invisible visible

1 Point trinamiX NIR spectrometer to object and push the green button. Near-infrared light is sent to and reflected by the measured material.

2 Each material has a unique spectrum of wavelengths that is reflected. Chemometric models analyze the spectrum of the reflection and clearly identify the material.



3 Within seconds, a result is displayed in the app, and additional information becomes available for further evaluation in our Customer Portal.



About trinamiX Mobile NIR Spectroscopy Solutions

- ✓ Battery capacity: up to 6,000 measurements
- ✓ Slightly larger than a smartphone
- ✓ Wireless connection to smart device via *Bluetooth®* and Customer Portal via internet
- ✓ Data stored in MS Azure cloud provided by BASF SE
- ✓ Data transfer end-to-end encrypted (SSL and AES 256)
- ✓ Android, iOS and Windows app
- ✓ Customer Portal for more insights
- ✓ In-house developed chemometric models



Watch how it works
trinamiX solution for
mobile plastic sorting

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