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.
Our offer for your individual needs

Packs for every application

trinamiX PAL One
mobile NIR spectrometer

Customer Portal &
trinamiX App

Ready-to-use
calibrations

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
- Quantify mixes of PE and PP

### Plastics Pack MAX
- Identify an extended range of plastic types
- Identify monolayer and multilayer foils

#### Plastic Types
- PET
- HDPE
- PVC
- LDPE
- PP
- PS
- Other

#### Monolayer Foils
- PA
- PE/PET/PP
- PLA

#### Multi-layer Foils
- PE/PA

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#### Customer support

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#### 2 Users
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

**Contact us**

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**Watch how it works**

trinamiX solution for mobile plastic sorting