

## Identify plastic types at the push of a button

Anytime, anywhere – with trinamiX's handheld solution



**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

User-friendly handling.

**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 waste streams.

**Reliable identification of a variety of plastics\***



\* Carbon black plastics cannot be detected.

### trinamiX Mobile NIR Spectroscopy Solution



trinamiX PAL One mobile  
NIR spectrometer

Customer  
Portal

Smartphone  
App

## trinamiX makes the invisible visible

### Improving on-the-spot decision-making through NIR spectroscopy

**1** Point trinamiX NIR spectrometer to object and press 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.



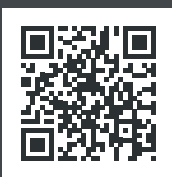
**3** Within seconds, a result is displayed in the app, and additional information becomes available for further evaluation in our customer portal.

#### About trinamiX Mobile NIR Spectroscopy Solution

- 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, Windows app
- Customer portal for more insights
- In-house developed chemometric models

#### About trinamiX

- ✓ At trinamiX, we make advanced NIR technology accessible to people outside a laboratory for a variety of applications across industries, including agriculture, circular economy, chemistry, and food.
- ✓ Our entire production is based in Germany. We are committed to provide highest quality and attention to detail.
- ✓ Data protection is the utmost priority for us. Our highly protected data management ensures our customers a trustworthy data solution.



**Watch how it works**  
trinamiX solution for  
mobile plastic sorting