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.

Reliable identification of a variety of plastics*

<table>
<thead>
<tr>
<th>HDPE</th>
<th>LDPE</th>
<th>PP</th>
<th>PVC</th>
<th>PS</th>
<th>PET-A</th>
<th>PET-G</th>
<th>PMMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA</td>
<td>PA</td>
<td>POM</td>
<td>PB</td>
<td>PBT</td>
<td>PEEK</td>
<td>PU</td>
<td>ABS</td>
</tr>
<tr>
<td>ABS-PA</td>
<td>PC</td>
<td>PC-ABS</td>
<td>SAN</td>
<td>SBS/SEBS</td>
<td>ASA</td>
<td>PAI</td>
<td>PPS</td>
</tr>
<tr>
<td>PVDF</td>
<td>PEI</td>
<td>PESU</td>
<td>PSU</td>
<td>PP SU</td>
<td>PA/PE/PEI/PEI/PP</td>
<td>Multi-layer Foils</td>
<td>PE/PA</td>
</tr>
</tbody>
</table>

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.

* Carbon black plastics cannot be detected.
Point trinamiX NIR spectrometer to object and press the green button. Near-Infrared light is sent to and reflected by the measured material.

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

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

**About the 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.

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