

## Identify textile types at the push of a button

Fast and easy – with a solution that fits into the palm of your hand



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

✔ **Mobile**

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

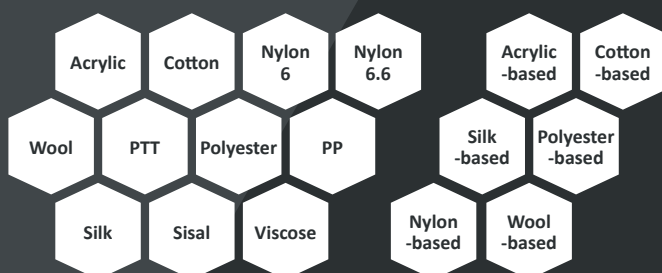
✔ **Fast**

Textiles are identified within seconds.

✔ **Easy**

User-friendly handling.

**Reliable identification of a variety of textile materials and blends**



**Enhancing quality control and sorting with insights into your material streams**

✔ **Reliable conformity check**

Improve your incoming quality control process with the reliable on-the-spot identification of different textile materials and blends.

✔ **Improved recyclability**

Efficiently sort incoming waste into clean streams of textiles and process them appropriately for high-quality recycling.

**At a glance: trinamiX Mobile NIR Spectroscopy Solution**



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 the NIR Spectroscopy Solution

- Battery capacity: up to 6,000 measurements
- Slightly larger than a smartphone
- Wireless connection to smart device via *Bluetooth*<sup>®</sup> 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.

### trinamiX GmbH

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