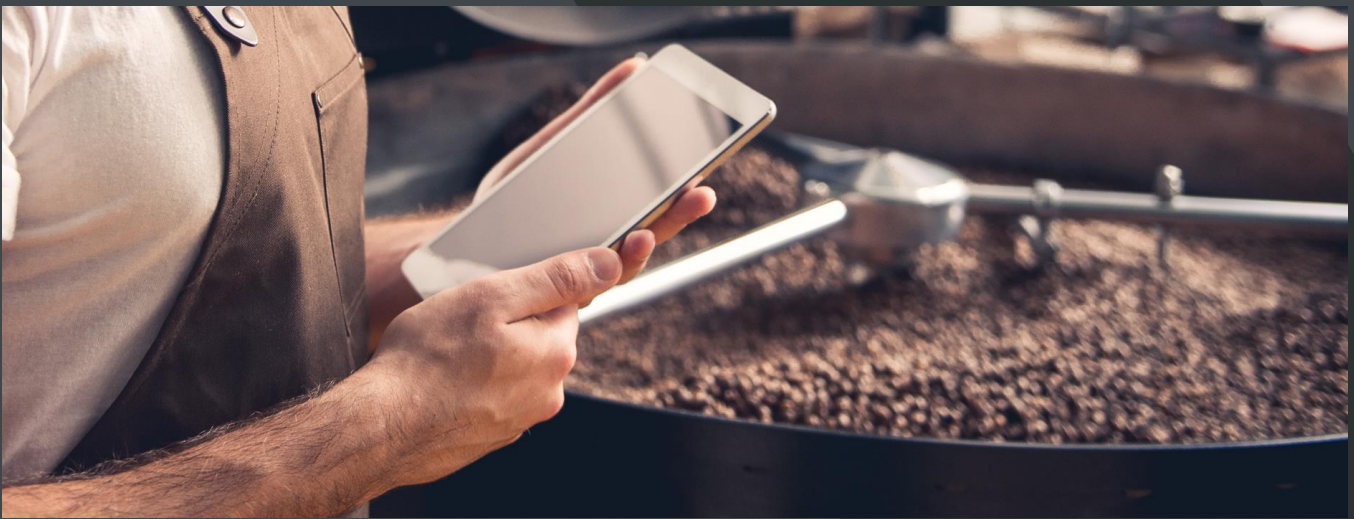


## A Better Cup of Coffee with trinamiX Mobile Near-Infrared (NIR) Spectroscopy Solutions



### Professional analysis and quality control at the roastery and along the value chain

- ✓ **Quality control**  
On-the-spot analysis of coffee composition and characteristics for better control of quality.
- ✓ **Customization**  
Fine-tuning of coffee compositions aiming at specific taste profiles and reproducible results based on analytical data.
- ✓ **Transparency**  
Enabling the roaster to provide the end consumer with additional information.

### Reliable quantification of coffee characteristics

- Caffeine concentration
- Moisture content  
(coming soon)
- Acidity and carbohydrates  
(coming soon)

### ... along the value chain

- Growing
- Harvesting
- Transport
- Storage
- Roasting

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

- ✓ **Mobile**  
Caffeine concentration can be easily measured with the simple use of a portable handheld device that analyzes ground coffee samples.
- ✓ **Fast**  
Analysis results are provided within seconds.
- ✓ **Ready-to-use**  
Immediate use without the need of time-consuming set-up.

### Watch how it works



trinamiX solution for mobile  
coffee analysis  
[www.trinamiXsensing.com/coffee](http://www.trinamiXsensing.com/coffee)

### Contact us

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## 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.



3

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



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.

#### About the NIR Spectroscopy Solutions

- Battery capacity: 6,000 measurements
- Slightly larger than a smartphone
- Wireless connection to smartphone and customer portal
- Data stored in MS Azure cloud provided by BASF SE
- Data transfer end-to-end encrypted (SSL and AES 256)
- Android app and customer portal
- 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, pharma and chemistry, food and beverage.
- 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



**Molecular sensing  
by trinamiX:**

<https://bit.ly/2PlquX2>