

Onsite material identification of PV module encapsulations and backsheets



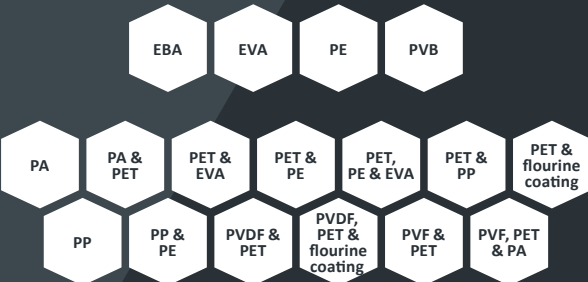
Powerful combination of mobile hardware, data analysis, and material expertise

- ✔ **Mobile**
Photovoltaic encapsulations and backsheets can be easily identified onsite with the simple use of a portable handheld device.
- ✔ **Fast**
PV encapsulation and backsheet materials are identified within seconds.
- ✔ **Easy**
User-friendly handling.

Enhancing performance and recycling with insights into your PV modules

- ✔ **Assurance**
Ensure the quality of delivered modules with the reliable on-the-spot identification of different encapsulations and backsheets.
- ✔ **Inspection & error analysis**
Use our solution to document, visualize, and analyze the quality and condition of installed PV modules.
- ✔ **Recycling**
Identify different materials in encapsulations and backsheets to enable appropriate recycling of PV modules.

Reliable identification of a variety of encapsulation and backsheet materials



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

- At trinamiX, we make advanced NIR technology accessible to people outside a laboratory for a variety of applications across industries, including agriculture, 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.

About our partners



Dr. Gernot Oreski holds a PhD in Polymer Engineering & Science Degree at University Leoben. He is Division Manager at the Polymer Competence Center Leoben (Austria) and heads the »Sustainable Polymer Solutions« division. He has over 19 years of expertise in polymers for photovoltaics.



Dipl.-Ing. Dr. Gabriele Christine Eder is a technical chemist and active in the field of photovoltaics since 2009. Her research has been leading in material analysis and environmental simulation of plastics for 17 years.



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