



Mobile FT-IR for Warehouses and Logistics

Application Note M193

Quality checks shouldn't slow you down.

In warehouse operations where regulated goods are received, inspected, and sometimes returned, confirming material identity is a routine but critical task. This process often relies on laboratory instruments that require samples to be moved and queued, which can slow down decisions and disrupt workflows.

So why not bring mobility paired with ease-of-use to your warehouse?

Meet the MOBILE IR II – Flexible, Convenient and Rugged

The MOBILE IR II is based on infrared spectroscopy and offers a way to perform chemical identification directly at the inspection site, supporting faster and more practical handling of materials.

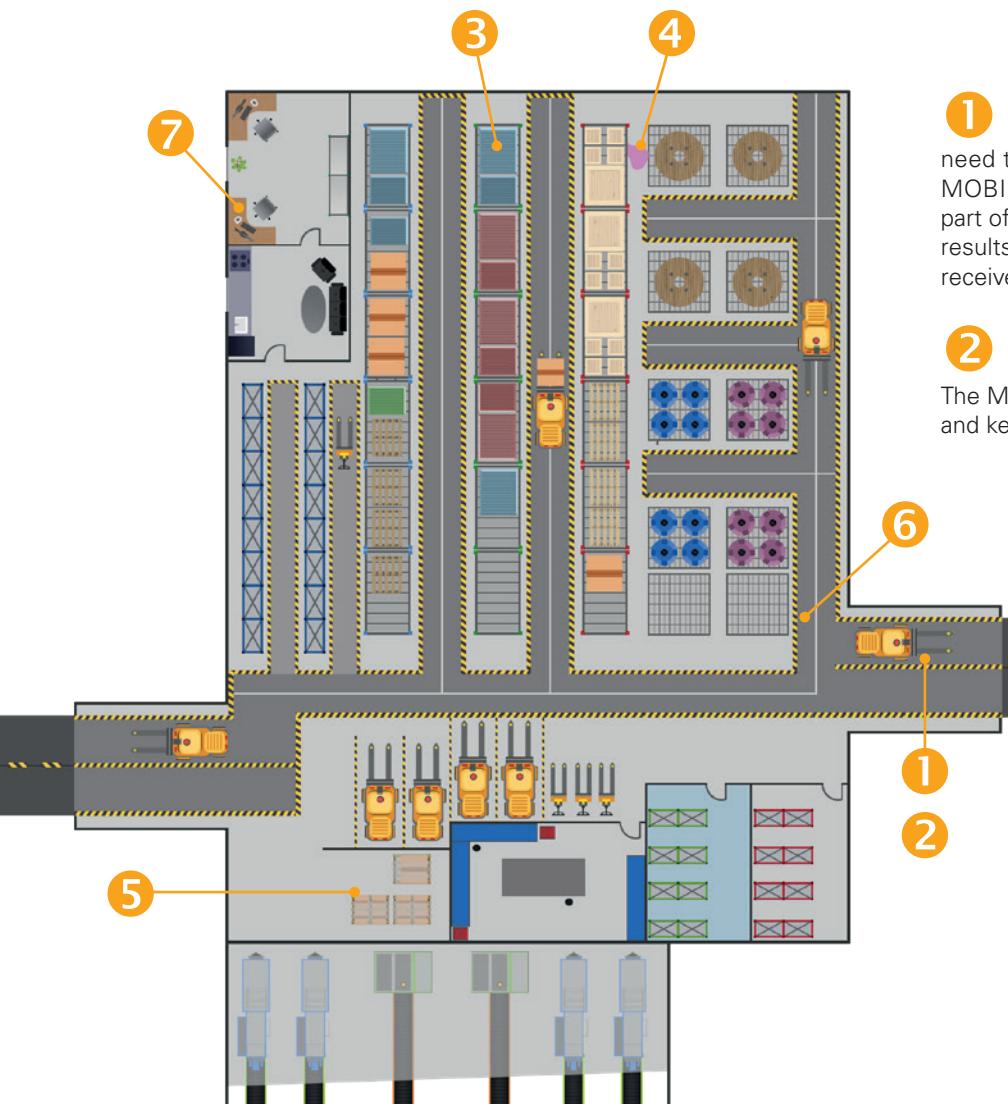
It:

- Reduces physical handling of heavy or awkward items
- Reduces risks in hazardous material transport
- Enables decentralised quality control
- Ensures sample integrity

What it offers:

- Lab-grade Performance, Anywhere
- Versatile Connectivity and Data Security
- Rugged Build, Mobile Design
- Fast and enhanced spectral stability





1 Incoming Goods Inspection: When new shipments arrive, you need to verify their contents ASAP. The MOBILE-IR II can be swiftly moved to any part of the warehouse and delivers instant results. You know immediately if what you received matches your order.

2 Counterfeit Detection: Some products look convincing but aren't the real deal. The MOBILE-IR II helps you catch fakes early and keep your supply chain clean.

- 3 Shelf-Life Inspection:** Some goods might have been stored for a while, and you need to check their usability. The MOBILE-IR II makes it easy to test items right where they are stored, saving you time and reducing the risk of damage or contamination during transport.
- 4 Handling Unknown Substances and Foreign Objects:** Found an unidentified substance? No problem. Grab the MOBILE-IR II, identify it, and decide whether you can handle it yourself or need to call in the decontamination experts.
- 5 Packaging and Final Goods Inspections:** Before sending out goods, ensure the packaging material is up to standard and perform a final check on the products.
- 6 Returned Goods Analysis:** Returned items can be quickly checked for quality and to confirm if the correct product was delivered. The MOBILE-IR II can also quickly check whether the parts can be reused or not. This helps protect the environment and saves money.
- 7 Central Data:** The MOBILE-IR II enables remote, automatic transfer of measurement data in warehouse environments, allowing central access and efficient evaluation.

