

Press Release

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IRAffinity-1 Integrated accessories enhance analytical efficiency

**Single reflectance and HATR technique /
Straightforward sample pretreatment and post-processing /
IRAffinity-1 - best instrument in its class**

Shimadzu, one of the world leaders in analytical instrumentation, has presented its new accessories series for the IRAffinity-1. These ‘integrated accessories’ make use of the attenuated total reflectance (ATR) and HATR techniques. They prevent contamination while supporting higher sample throughput together with less sample consumption. Sample preparation and post-processing have now also become easier.

IRAffinity-1 best system in its class

The IRAffinity-1 is used for FTIR analysis in research and development – for quality control analysis such as surface measurements. The IRAffinity-1, with its high sensitivity, is one of the leading instruments in its class. Despite its very small installation footprint, the instrument offers a standard sample compartment which can accommodate numerous accessories and offers users the greatest possible flexibility for a variety of applications.

ATR is a proven technique with its easy sample pretreatment and post-processing. Identification or quality control can be carried out quickly. The reflectance accessories contribute to further development of this technique. They save additional time for sample pretreatment

and post-processing, leading to higher sample throughput. The integrated accessories also prevent any possible contamination of the sample compartment. The proven sample compartment is retained while fully preserving the flexibility of the FTIR system in terms of additional accessories.

Shimadzu's new accessories concept is focused on high sample throughput and fast measurement. The accessories are based on the single reflectance and HATR technique. Using a single reflectance unit, for instance, enables the processing of large samples, as the measuring position is situated on top of the instrument housing. These accessories expand the already wide range of products.

Easy operation

The present generation of FTIR instruments with ATR accessories, intelligent comparison libraries and extremely user-friendly software work autonomously. In this way, high-end analysis results can be attained without the need for lengthy training of laboratory staff.



Figure 1: Best FTIR system in its class – the IRAffinity-1 is suitable for surface measurements and quality control.

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