

DISCOVER THE OTI 'S PRECISION, PORTABILITY, AND PERFORMANCE WITH JULIA GRIFFITH, FGA, DGA, EG FROM THE GEM ACADEMY

Verifying natural diamonds, detecting potential synthetic diamonds, and identifying simulants are daily tasks for a jewellery professional. Diamond testing can be complex, but the right tools can simplify the process.

Introducing the OTi by Presidium, a compact, user-friendly diamond verification instrument designed for jewellers, pawnbrokers, and gem enthusiasts. By integrating multiple testing methods into one easy-to-use device, the OTi streamlines the testing process.

One Tool, Multiple Tests - Precision Delivered

The OTi is designed to handle variety of colourless stones that jewellery professionals encounter. It can help identify diamonds, synthetic diamonds, and simulants multiple functions that not all verification tool possess.

"Engineered with simplicity in mind, the OTi makes verification accessible even to those new to diamond testing".

The OTi 's uses a probe similar to traditional diamond testers, providing quick and reliable results.

Each test takes just 3 seconds. The digital touchscreen provides four straightforward options:

- **Diamond** for natural diamonds
- **CVD/HPHT/Type IIA** for synthetic diamonds and rare Type IIA natural diamonds (requires further verification with different tools)
- **Moissanite** for synthetic moissanite (including low-conductivity moissanite)
- **Simulant** for all other diamond simulants

CVD/HPHT/
Type Ila

Simulant

Natural

Moissanite

The OTi's capability is due to its dual Optical / Thermal technologies integrated into a single probe, combining three testing methods of thermal conductivity and both long-wave and short-wave UV light analysis.



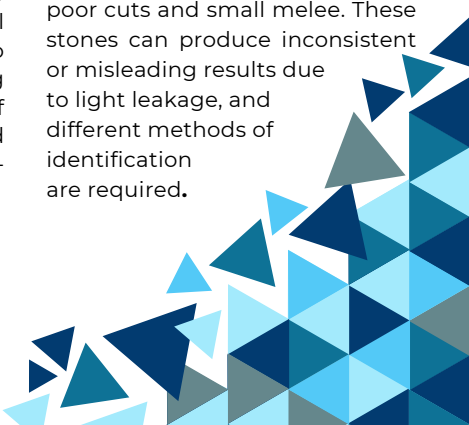
Unlike traditional methods that require multiple devices, the OTi integrates these features into one compact tool, eliminating the need to switch between devices during the initial stages of testing.

The OTi's ability to screen stones for both simulants and synthetics is invaluable for retailers and jewellers, whether addressing customer inquiries or screening inventory.

Performance and Parameters

The OTi is calibrated for colourless stones within the D-J colour range and works best with well-cut diamonds that exhibit a high degree of light return. To be tested, a stone requires a table diameter of at least 1.6mm.

The OTi is less reliable for stones with noticeable tint, fancy cuts, poor cuts and small melee. These stones can produce inconsistent or misleading results due to light leakage, and different methods of identification are required.



Portable and Thoughtful Design

Compact enough to fit in your hand, the OTi's innovative design makes it ideal for on-the-go professionals. Its retractable probe protects against damage during storage or transport, eliminating the need for bulky cases or lids while ensuring the probe remains safeguarded.

It operates on 3xAAA Lithium batteries (either non-rechargeable or rechargeable) for maximum portability or can be powered with a power bank via a USB cable for convenience.

Ideal for Mounted and Loose Stones

Mounted stones often present a unique challenge for those wanting to identify diamonds. The OTi probe design and straightforward operation make it an ideal solution for

testing diamonds in rings, necklaces, or other jewellery settings. The OTi allows for immediate use without the need to unmount, delivering quick results while preserving the integrity of the piece being tested.

Wish to test loose stones? The OTi can do that too. Presidium provides a high-quality stone rest that can be used for both round and fancy-cut loose stones.

Replaceable Probe Function

To minimize equipment downtime, it comes with a replaceable probe function, which will allow user to replace faulty probe on your own when necessary.



Value for money

In today's market, misidentifying stones can be costly. The OTi serves as your first line of defense, helping protect against undisclosed synthetic diamonds and simulants.

The OTi offers competitive value by combining multiple functions into one tool. It saves both time and money, making it an ideal choice for businesses of all sizes, from independent jewellers to large retailers.

Why Choose the OTi?

The OTi offers:

- **Efficiency:** Quick results in just 3 seconds.
- **Portability:** Compact and battery-powered for use anywhere.
- **Versatility:** Effective for both mounted and loose stones.
- **Simplicity:** Intuitive operation with a clear digital interface.

While not a replacement for advanced gemmological tools and practices, the OTi provides an excellent first line of testing, helping professionals make informed decisions quickly.

Safety First: The OTi utilises long-wave and short-wave UV light during testing. To ensure safety, please avoid direct exposure to skin or eyes. Wear gloves and eye protection during use and please follow all safety guidelines in the device manual.