



The D-Tect

The **ultimate detection device**
for laboratory grown diamonds

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What you need to know about the D-Tect

Differentiating laboratory grown from natural diamonds is becoming more and more difficult these days. A screening process, with an instrument like the M-Screen⁺, determines the diamonds which need further investigation. To this end, GGTL – an independent Swiss gemmological institution – has developed the D-Tect, commercialized by HRD Antwerp.

The D-Tect is the best possible solution for the **final and very crucial step in the detection of lab-grown diamonds**. All referred stones that require further testing after being screened by the M-Screen⁺, or any other screening device, can be examined using the D-Tect. This decisive analysis will give you the confidence you need to complete the difficult task of differentiating natural and laboratory grown diamonds.

The D-Tect is a non-automated screening device based on UV luminescence imaging and photoluminescence spectroscopy for mounted or loose diamonds (D-to-Z) of all sizes and shapes. The results provided by the D-Tect deliver a **definitive evaluation concerning the nature of your stones**, whether natural, laboratory grown diamonds or simulants.

Key features of the D-Tect

- Compact tabletop model
- Non-automated diamond detection device
- Non-destructive method
- For mounted or loose diamonds (D-to-Z), of all shapes and sizes (nearly no size limitations)
- Reliable detection of natural or laboratory grown diamonds, as well as common diamond simulants
- Technology based on UV luminescence, photoluminescence spectroscopy, and Raman spectroscopy
- Consistent and fast results
- Training is necessary (operators only need common sense and logic; a degree in gemmology, geology, or physics is not required)

Detection service by HRD Antwerp

HRD Antwerp offers a detection service with the D-Tect for melee diamonds (mounted or loose) in its diamond lab in Antwerp.

- Color grade D-to-Z
- Mounted or loose, of all shapes and sizes
- Diamonds will be separated in 3 groups: natural diamonds, lab-grown diamonds and simulants

For more information contact:
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HRD ANTWERP IS BASED IN ANTWERP, DIAMOND CAPITAL OF THE WORLD.

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