

SynthDetect 2



Price: On request

Job: To automatically verify natural diamonds, both loose and set in jewellery

SynthDetect 2 is a next-generation desktop diamond verification instrument designed to accurately distinguish natural diamonds from synthetic diamonds and simulants across both loose stones and mounted jewellery.

Building on the proven performance of the original SynthDetect, this new model introduces automated results and enhanced jewellery handling, enabling faster, simpler, and more reliable screening workflows.

This version of the SynthDetect takes into account customer needs for testing a wide range of products from loose, melee diamonds through to larger jewellery pieces.

Using the principle of time-resolved photo-luminescence, an image is generated on a high-resolution touch screen, where an automated result is displayed and a screening report generated.

Technical Specifications:

- Colour range: D-J (lower colours may result in higher referral rates)
- All cuts can be tested
- Size range: 0.001 to 10cts
- Necklaces, Rings, Earrings, Bracelets, Bangles, Tennis Bracelets, Brooches, Pendants and loose diamonds all tested
- Accessories include: 21cm diameter circular tray, various bangle, tennis bracelet and ring holders.
- SD2 dimensions: 52 cm (W) x 34 cm (D) x 55 cm (H)
- SD2 weight: 21 kg
- Remote automatic software updates
- Timings: Full tray scan – 5 minutes, bangle scan 10 seconds and full rotational ring scan in 6 seconds
- NATURAL, SYNTHETIC and REFER classification
- One-year parts and service warranty