

SynthDetect



Price: \$18,500

Job: To screen jewellery and loose diamonds



SynthDetect is designed for testing both loose diamonds and those set in jewellery. It is suitable for testing colourless to near-colourless diamonds to the smallest diamonds.

The various jewellery attachments allow rings, earrings, bracelets, brooches and necklaces etc. to be tested.

Larger jewellery pieces, along with loose diamonds can be viewed in the sampling tray.

Using the principle of time-resolved photo-luminescence, an image is viewed on a high-resolution touch screen, where an automated result is displayed indicating the result as either:

Technical Specifications:

- Colour range: Colorless/near colourless
- Cuts: All cuts can be tested
- Size: Smallest size 0.5mm diameter
- All synthetic diamonds and a very small number of natural diamonds referred for further testing
- Various viewing modes include: white light illumination, fluorescence, phosphorescence
- Controls to focus and rotate the test piece so all stones are viewed
- Field iris for isolating and viewing single stones in a jewellery piece
- Dimensions: 310mm (w) x 340mm (d) x 458mm (h)
- 1 year parts/service warranty

SynthDetect XL



Price: \$22,500 USD

Job: To screen multiple jewellery pieces and loose diamonds



The SynthDetect XL base can replace the standard base and has the advantage of holding larger jewellery items as well as multiple pieces of jewellery.

The platform can also hold up to 85 rings on its 3 axes (x,y,z) plate.

The platform is 210 x 297mm (A4).

To Note: at present, pieces requiring rotation must still use the standard SynthDetect™ lower module.

Technical Specifications:

- Maximum jewellery piece height (tray to focal point) = 30mm
- Maximum variation in scanning height = 20mm
- Dimensions: 558mm (w) x 685mm (d) x 169mm (h) or 492mm (h) with Illumination module fitted
- 1-year parts/service warranty